

Reseptregisteret
2004–2008

The Norwegian
Prescription Database
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Rapport 2009:2
Nasjonalt folkehelseinstitutt /
The Norwegian Institute of Public Health

Tittel/Title:

Reseptregisteret 2004–2008

The Norwegian Prescription
Database 2004–2008

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Publisert av / Published by:

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Design/Layout

Grafia kommunikasjon AS

Acknowledgement:

Julie D.W. Johansen (English version)

Forsideillustrasjon / Front page illustration:

Crestock.com

Trykk/Print:

Grafia kommunikasjon AS. 09-50659/800

Opplag / Number printed:

800

Bestilling/Order:

publikasjon@fhi.no
Fax: +47-21 07 81 05
Tel: +47-21 07 82 00

ISSN: 1890-9647

ISBN: 978-82-8082-317-5 trykt utgave/printed version

ISBN: 978-82-8082-318-2 elektronisk utgave/electronic version

Tidligere utgave / Previous edition:

2008: Reseptregisteret 2004–2007 / The Norwegian Prescription Database 2004–2007.



Forord

Bruken av legemidler i befolkningen er økende. En viktig målsetting for norsk legemiddelpolitikk er rasjonell legemiddelbruk. En forutsetning for arbeidet med å optimalisere legemiddelbruken i befolkningen er kunnskap om hvilke legemidler som brukes, hvem som bruker legemidlene og hvordan de brukes. For å få bedre kunnskap på dette området, vedtok Stortinget i desember 2002 å etablere et nasjonalt reseptbasert legemiddelregister (Reseptregisteret). Oppgaven med å etablere registeret ble gitt til Folkehelseinstituttet som fra 1. januar 2004 har mottatt månedlige opplysninger fra alle apotek om utlevering av legemidler til pasienter, leger og institusjoner.

Denne rapporten er andre utgave i den årlige statistikken fra Reseptregisteret. Målet med rapporten er å presentere Reseptregisteret og utvalgte data. Rapporten har tre deler. Del 1 inneholder generell informasjon om Reseptregisteret, legemiddelforskrivning, statistikk og målemetoder. I del 2 presenteres en del nøkkeltall og kommentarer til utvalgte tema og legemiddelgrupper. Del 3 inneholder tabeller med opplysninger om antall individer som har fått utlevert legemidler etter resept fra apotekene i Norge i siste femårsperiode (2004–2008). Opplysningene er fordelt på enkeltlegemidler og legemiddelgrupper. ATC (Anatomisk Terapeutisk Kjemisk)-klassifikasjon er benyttet i tabellene. For 2008 er informasjon om alders- og kjønnsfordeling og kostnader inkludert i tabellene. ATC/DDD-versjon gjeldende fra januar 2009 er benyttet i rapporten, se også www.whocc.no

Reseptregisteret har også en nettside der man kan finne informasjon om antall individer som har fått utlevert legemidler etter resept (prevalens), fordelt på kjønn, 10 års aldersgrupper og geografi (fylke eller helseregion). Nettstedet er: www.norpd.no (engelsk versjon) eller www.reseptregisteret.no (norsk versjon). Data er tilgjengelige fra 2004 og nettsiden blir årlig oppdatert i mars/april for foregående år. Det er også mulig å søke om utlevering av data fra Reseptregisteret til forskning eller til andre formål som er i henhold til formålet for Reseptregisteret. Mer informasjon om dette finnes i innledningen til bokens del 3 og på nettsiden til Folkehelseinstituttet (www.fhi.no).

Avdeling for legemiddelepidemiologi
Folkehelseinstituttet
April 2009

Preface

The use of drugs in the population is increasing. An important goal of the health policies regarding pharmaceuticals in Norway is rational drug use. In order to improve drug use, knowledge about which drugs are used, how they are used and who uses them is vital. In December 2002, the Parliament decided to establish a national prescription database in Norway (NorPD). The task of building up the register was given to the Norwegian Institute of Public Health (NIPH). Since 1st January 2004, the institute has received monthly data on prescriptions from all Norwegian pharmacies.

This report is the second edition in the annual statistical report from NorPD. The purpose of the report is to present NorPD and selected data. The report has three parts. Part 1 contains general information about NorPD, prescribing of medicines and drug statistics. The second part includes some key figures and comments about selected topics and drug groups. Part 3 contains tables with information about the number of individuals who had prescriptions dispensed from pharmacies in Norway during the latest five years period (2004–2008). The information includes particular drug substances as well as drug groups. ATC (Anatomical Therapeutic Chemical) classification is used in the tables. For 2008, information about age, gender and costs are included in the tables. The ATC/DDD version of January 2009 has been used in the report, see also www.whooc.no

NorPD also has a web page where one can find information about the number of individuals who had prescriptions dispensed (prevalence), split by gender, 10-year age groups and geography (county or health region). The website is: www.norpd.no (English version) or www.reseptregisteret.no (Norwegian version). Data is available from 2004 and the website is annually updated in March/April for the previous year. It is also possible to apply for data from NorPD for research or for other purposes which are according to the objectives of NorPD. More information about this can be found in the introduction to the book's section 3, and at the website of the Norwegian Institute of Public Health (www.fhi.no).

Department of Pharmacoepidemiology
Norwegian Institute of Public Health
April 2009

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1. Generell innledning

1.1 Etableringen av Reseptregisteret

Norge har lang tradisjon i å publisere legemiddelstatistikk basert på data fra grossister. Informasjon om totalt legemiddelsalg er publisert siden 1977 i Legemiddelforbruket i Norge (1). En beskrivelse av grossistbasert legemiddelstatistikk er gitt på side 16. Selv om slik statistikk er nyttig for å overvåke langsiktige trender i bruken av legemidler på et aggregert nivå, har tallene basert på legemiddelsalg fra grossister til apotek og sykehus begrensninger. Ingen informasjon om legemidler på individnivå er tilgjengelig i denne statistikken. I løpet av 1990-tallet ble det fra flere hold pekt på mangelen på mer detaljert informasjon om legemiddelbruken i den norske befolkningen, og behovet for å etablere et befolkningsbasert reseptregister i Norge ble nevnt i flere offisielle dokumenter (2–6). Forslaget til en mer detaljert legemiddelstatistikk kom delvis som en respons på endringer i infrastrukturen i legemiddelmarkedet som startet da Norge ble medlem av EØS i 1995.

I 2000 startet Helse- og Sosialdepartementet et prosjekt for å etablere et nasjonalt register basert på elektronisk innsamling av resepter fra alle norske apotek (7). Etter at saken hadde vært ute på en omfattende høringsrunde fremmet Regjeringen forslag til etablering av et Reseptbasert legemiddelregister (Reseptregisteret) i Statsbudsjettet for 2003 (8). I desember 2002 vedtok Stortinget å etablere et nytt helseregister basert på resepter utlevert fra alle norske apotek. Oppgaven med å bygge opp Reseptregisteret som det første pseudonyme helseregister i Norge ble gitt til Folkehelseinstituttet (FHI). Stortinget vedtok samtidig å etablere en enhet for legemiddelepidemiologisk forskning knyttet til Reseptregisteret (8).

Før dette vedtaket, hadde Regjeringen allerede besluttet å flytte kompetansesenteret for legemiddelstatistikk, WHO Collaborating Centre for Drug Statistics Methodology og den Grossistbaserte legemiddelstatistikken, fra Norsk Medisinaldepot (NMD) til FHI. Avdeling for legemiddelepidemiologi ble etablert

1. General introduction

1.1 Establishing the Norwegian Prescription Database (NorPD)

Norway has a long tradition of publishing drug statistics using data from wholesalers. Since 1977, these figures have been published annually in a book containing information about all drug sales in Norway (1). The wholesale statistics are described on page 16. Although very useful for monitoring long-term trends in drug use on an aggregated level, figures based on drug sales from wholesalers to pharmacies and hospitals have some limitations. No information about an individual's drug use is available from the wholesale statistics. During the 1990s the lack of more detailed information on drug use in the Norwegian population was recognised and the need to establish a population-based prescription register in Norway was officially discussed (2–6). The proposal for more detailed drug statistics came partly in response to changes in the drug market infrastructure, which began when Norway joined the European Economic Association (EEA) in 1995.

In 2000, a project to establish a national register based on prescriptions electronically transferred from all pharmacies was initiated by the Ministry of Health and Social Affairs (7). In December 2002, the Norwegian Parliament (Stortinget) passed a resolution to establish a register based on prescriptions dispensed at all Norwegian pharmacies. The task of building up the NorPD as the first pseudonymous health register in Norway was given to the Norwegian Institute of Public Health (NIPH). Stortinget also decided to establish a unit for pharmacoepidemiological research linked to the register (8).

Prior to this decision, the Norwegian government had decided to move the WHO Collaborating Centre for Drug Statistics Methodology, and the Norwegian Drug Wholesales Statistics Database from the Norwegian Medicinal Depot to the NIPH. The Department of Pharmacoepidemiology was established in autumn 2002. This department combines the two

høsten 2002. Denne avdelingen omfatter de to enhetene fra NMD samt Reseptregisteret og en forskningsenhet i legemiddelepidemiologi. Avdelingen er en del av divisjon for epidemiologi ved FHI.

Den farmasøytisk kompetansen knyttet til WHO Collaborating Centre for Drug Statistics Methodology og den Grossistbasert legemiddelstatistikken var viktig og avgjørende for den vellykkede prosessen med å etablere Reseptregisteret (9).

1.2 Reseptregisteret (NorPD)

Datainnsamling og variabler i Reseptregisteret

Ny apoteklov trådte i kraft 1. mars 2001, og ifølge den nye loven ble apotek forpliktet til å videresende reseptdata til en ny nasjonal legemiddeldatabase. I oktober 2003 ble ny detaljert forskrift for Reseptregisteret (hjemlet i Helseregisterloven) vedtatt av Kongen i Statsråd (10). Formålet med Reseptregisteret (jf forskriftens § 1-3) er å samle inn og behandle data om legemiddelbruk hos mennesker og dyr for å:

1. kartlegge forbruket og belyse endringer over tid
2. fremme og gi grunnlag for forskning og utredning for å kunne belyse positive og negative effekter av legemiddelbruk
3. gi myndighetene et statistisk grunnlag for kvalitets-sikring av legemiddelbruk og overordnet tilsyn, styring og planlegging
4. gi legemiddelrevirer et grunnlag for internkontroll og kvalitetsforbedring

Forskriftens formål bestemmer hva Reseptregisteret kan brukes til. Forskriften bestemmer også hva slags data som kan samles inn fra apotek og administrative registre.

Reseptregisteret inneholder følgende variabler:

Pasient

Personidentifikasjon (kryptert), fødselsmåned/år, døds måned/år, kjønn, bosted (kommune og fylke)

Forskriver

Personidentifikasjon (kryptert), fødselsår, kjønn, yrke, spesialitet

Legemiddel

Nordisk varenummer (merkenavn, styrke, legemiddelform, pakningsstørrelse), antall pakninger, ATC-kode, antall definerte døgndoser (DDD), reseptkategori, kode for refusjon (fra mars 2008: ICD-10 og ICPC koder), bruksområde og forskrevet dose (fritekst), utleveringsdato, pris (apotekets utsalgspris)

units from the Norwegian Medicinal Depot with the NorPD and the pharmacoepidemiology research unit. The department is part of the Division of Epidemiology at the NIPH.

The expertise in drug statistics and methodology of the staff at the WHO Collaborating Centre for Drug Statistics Methodology and the Norwegian Drug Wholesales Statistics Database was vital to the successful creation of the NorPD (9).

1.2 The NorPD

Data collection and variables in NorPD

New legislation in the Norwegian pharmacy sector came into force on March 1st 2001. According to the new act, pharmacies were obliged to forward prescription data to a new national drug database. In October 2003, new, detailed regulations for the NorPD were approved (10). The objectives of the NorPD, as defined in authoritative regulations, are to collect and prepare data on drug use in individuals and animals in order to:

1. describe drug use patterns, highlighting changes over time
2. promote and form a basis for research and review of the safety and effectiveness of drug use
3. serve as a management tool for the authorities in order to assure prescribing quality in addition to general surveillance, control and planning
4. give the prescribing doctors a basis for internal control, as part of an audit method to improve the quality of prescribing practices

All NorPD data use must be in accordance with these objectives. The regulation also determines what kind of data can be collected from the pharmacies and administrative registers.

The NorPD contains the following variables:

Patient

Person-identifier (encrypted), month/year of birth, month/year of death, gender, place of residence (municipality & county)

Prescriber

Person-identifier (encrypted), month/year of birth, gender, profession, speciality

Drug

Nordic article number (unique product identifier stating brand name, strength, pharmaceutical form and pack size), number of packs, ATC code, number of Defined Daily Doses (DDD), prescription category, reimbursement code (from March 2008: ICD-10 or ICPC codes), intended use and

Apotek

Apoteknavn, konsesjonsnummer,
kommune og fylke

Det nordiske varenummeret er en unik identifikasjon for hver pakning av et legemiddel og muliggjør kobling til andre registre som gir detaljert informasjon om utleverte legemidler. Indikasjon for forskrivning registreres ikke i databasen. Men koden for refusjon registreres og kan i enkelte tilfeller fungere som en grov diagnosekode. Fra mars 2008 ble forskriver pålagt å angi mer spesifikke diagnosekoder på blåresepter som erstatning for de gamle sykdomspunktene. Det skal enten benyttes International Classification of Diseases versjon 10 (ICD-10) eller International Classification of Primary Care (ICPC). Ordningen vil bli fullt implementert fra mars 2009.

Fra 1. januar 2004 har Folkehelseinstituttet mottatt månedlig informasjon om reseptutleveringer fra alle apotek i Norge (figur 1.2.1). I alle apotek er det tilrettelagt for automatisk innsending av rapport til Reseptregisteret til fast tidspunkt hver måned, slik at apotekene kan oppfylle sin rapporteringsplikt uten vesentlig ekstra arbeid. Reseptregisteret inneholder informasjon om alle legemidler som er forskrevet og utlevert til enkeltpasienter utenom sykehus og institusjoner. Uregistrerte legemidler er også inkludert, men legemidler som selges reseptfritt er ikke registrert i Reseptregisteret (se også side 58). Hvis reseptfrie legemidler er forskrevet på resept vil de imidlertid bli registrert i databasen.

De viktigste dataene i Reseptregisteret er basert på resepter forskrevet til enkeltpersoner, men også forskrivning av legemidler fra veterinærer til dyr og forskrivning til egen praksis registreres i Reseptregisteret. Når det gjelder pasienter som er innlagt i sykehus eller sykehjem, samler registeret inn kun aggregerte data på institusjons- eller avdelingsnivå, fordi innsamlingen baseres kun på informasjon som apotekene registrerer når de leverer legemidler til institusjoner.

Datasikkerhet

Som illustrert i figur 1.2.1 blir registreringer av utleverte legemidler fra apotek elektronisk og automatisk overført til Statistisk sentralbyrå (SSB) før de kommer til FHI og inkluderes i Reseptregisteret. SSB fungerer som en såkalt tiltrodd tredjepart og er en del av datasikkerheten for å ivareta konfidensialitet og informasjonssikkerhet for all personlig informasjon. SSB har tilgang til pasientens personnummer og forskrivers helsepersonellnummer, og erstatter begge med et pseudonym. SSB kan ikke lese noen annen informasjon fra reseptene, fordi denne informasjonen er kryptert før SSB mottar dataene. Når SSB sender data er fødselsnummer og forskrivers helsepersonellnummer fjernet, og FHI kan dekryptere

prescribed dose (free-text as per pharmacy label),
dispensing date, price (pharmacy retail price)

Pharmacy

Name, licence number,
municipality and county

The Nordic article number is linked to other registries providing detailed information about the dispensed drugs. The indication for prescribing is generally not recorded in the database. However, the code of reimbursement is recorded and may, in some cases, act as a proxy of diagnosis. From March 2008, prescribers must use either the International Classification of Diseases version 10 (ICD-10) or the International Classification of Primary Care Codes (ICPC) as the code of reimbursement on the prescriptions. This will be fully implemented from March 2009.

Since 1st January 2004, the NIPH has received monthly data on prescriptions from all Norwegian pharmacies (figure 1.2.1). Monthly electronic reports are automatically generated in all pharmacies, thus avoiding extra work for the pharmacy. NorPD contains information about all drugs prescribed (reimbursed or not) and dispensed at pharmacies to individual patients living outside institutions, i.e. ambulant care. Unlicensed drugs are also included, but drugs sold over-the-counter (OTC) are not recorded in NorPD (see also page 58). However, if the OTC drugs are prescribed by a physician and dispensed, then they will be recorded in the database.

The main data in NorPD are based on prescriptions to individual humans, but also prescribed drugs by veterinarians to animals and prescribing to a physician's own practice are collected in NorPD. For patients in nursing homes and hospitals, the register collects figures on drug use at the level of the institution or the department, i.e. on an aggregate level.

Data protection

As shown in figure 1.2.1, pharmacy records of dispensed drugs are electronically and automatically transferred via Statistics Norway before arrival at NIPH and inclusion in NorPD. Statistics Norway acts as a so-called "trusted third party centre" and is a part of the data protection to ensure confidentiality of personal information. Statistics Norway only has access to patient personal identification numbers, and prescribers' health personnel number, replacing both with a pseudonymised identifier. Statistics Norway cannot read any other prescription data because this is encrypted before the data is received. When Statistics Norway sends the data including the pseudonymised identifiers to the NIPH, the NIPH is



Figure 1.2.1: Data flow, the Norwegian Prescription Database (NorPD)

helseopplysningene som fremgår av resepten igjen. Prinsippet for pseudonymisering er at ingen, heller ikke den som tildeler og forvalter pseudonymer, skal kunne ha samtidig tilgang til både pseudonym, helseopplysninger og personens identitet. Begrepet "Pseudonymiserte helseopplysninger" er definert i Helseregisterloven: "Helseopplysninger der identitet er kryptert eller skjult på annet vis, men likevel individualisert slik at det lar seg gjøre å følge hver person gjennom helse-systemet uten at identitet røpes" (11). Dette betyr at identiteten til pasienter og forskrivere har blitt kryptert i henhold til norsk lovgivning, men likevel er individuell, slik at det er mulig å følge enkeltpersoner over tid, og gjøre registerkoblingsstudier.

Kvalitetssikring

For kvalitetssikring blir et antall søk gjennomført månedlig eller halvårlig for å identifisere mulige feil eller uoverensstemmelser. FHI gjør ulike rutinemessige kontroller på data før de overføres til Reseptregisterets database. Ved overføring av data blir de nordiske varenumrene kontrollert. I Reseptregisteret er det nordiske varenummeret knyttet til det nasjonale vareregisteret for legemidler med gyldige ATC-koder og DDD-verdier (12). Dette registeret oppdateres månedlig. FHI sjekker også om dataleveranser fra hvert apotek er av rimelig størrelse. Det totale antallet reseptbelagte poster, totalt antall pasienter og forskrivere blir sjekket hver måned. Hvert halvår blir rutinemessig statistikk for apotekene kjørt. Denne rutinen vil identifisere uvanlige variasjoner i størrelsen på dataleveranser fra måned til måned, og fange opp manglende leveranser av spesielle typer data, eller hvis en datalevering fra ett apotek er tom i en måned på grunn av tekniske feil på apoteket eller hos tiltrodd tredjepart (SSB). Fødselsnummeret kontrolleres hos SSB mot Folkeregisteret. Når fødselsnummeret er ugyldig eller mangler, lager SSB et spesielt pseudonym. Disse personene er ikke mulig å følge over tid, og heller ikke mulig å koble til andre datakilder, men det rapporterte antall resepter og DDD knyttet til disse personene kan likevel inkluderes i totalstatistikken.

allowed to decrypt the prescription information again. The term "Pseudonymous health data" is defined in the Personal Health Data Filing System Act (in Norwegian: Helseregisterloven): "personal health data in which the identity has been encrypted or otherwise concealed, but nonetheless individualized so that it is possible to follow each person through the health system without his identity being revealed" (11). This means that the identity of patients and prescribers has been encrypted according to Norwegian legislation, but still individualized, so that it is possible to follow individuals over time and perform record-linkage studies. Data linkage is based on the unique identification number system which is available in all the Nordic countries.

Quality checks

For quality assurance, a number of queries are carried out monthly or half-yearly to identify possible errors or inconsistencies. NIPH performs different routine checks on the data before they are transferred to the NorPD. During data transfer the Nordic article number is checked. In the NorPD, the Nordic article number is linked to the national register of medicinal products with validated ATC codes and DDD values (12). This register is updated monthly. NIPH also checks if the data deliveries from each pharmacy are of a reasonable size. The total number of prescription records and the total number of patients and prescribers are checked every month. Routine statistics for pharmacies are run every half year. Unusual variations in size of data files from month to month are identified and any missing data is caught, such as missing special data type deliveries or empty data files caused by technical error at the pharmacy or at the trusted third party. The Personal Identification Number is checked in Statistics Norway against the Central Population Registry. If the Personal Identification Number is invalid or missing, Statistics Norway creates a special pseudonym, but it is not possible to track these individuals or link them to other data sources. However, the reported total number of prescriptions and DDDs can be included in the total statistics.

1.3 Fastlegeordningen, apotek-systemet og refusjonssystemet

Fastlegeordningen

I juni 2001 ble det innført en Fastlegeordning i Norge. Den ble innført for å sikre regelmessig tilgang til en fast lokallege for alle pasienter og dermed også bedre kontinuiteten. Ordningen gir alle norske innbyggere rett til å ha en fastlege som sin vanlige lege. Nesten 4000 fastleger er en del av dette systemet som er basert på at den enkelte lege har en liste med bestemte pasienter som han/hun har ansvaret for. Mer informasjon om fastlegeordningen finnes på www.nav.no.

Apoteksystemet

Vanlige apotek i Norge er drevet som privat næringsvirksomhet, mens sykehusapotek er offentlig eid. Apotekene har ca 6000 ansatte, hvorav de aller fleste er autorisert som helsepersonell. Den nye apotekloven fra mars 2001, har ført til store strukturelle endringer, først og fremst når det gjelder eierskap av apotek. Før den nye apotekloven ble innført, var alle apotek eid av farmasøyter (cand.pharm.). De fleste apotek er nå eid av store apotekkjeder. Det skal imidlertid alltid være en farmasøyt med 5-årig universitetsutdannelse knyttet til hvert apotek som driftskonsesjonær. Etter dereguleringen har antall apotek økt sterkt, særlig i byene. Per januar 2009 var det totalt 636 apotek i Norge, 603 var primærapotek, mens 33 er offentlig eide sykehusapotek.

Refusjonssystemet i Norge

Refusjonsordningen er et viktig redskap for å oppnå helsepolitiske mål som sosial sikkerhet og velferd for innbyggerne. Ett av disse målene er at alle skal ha tilgang til nødvendige legemidler, uavhengig av betalingsevne. Alle norske innbyggere er medlem av folketrygden. Nesten 67 % av kostnadene til reseptpliktige legemidler dekkes av det offentlige (14).

En liste med diagnosekoder (ICD-10 eller ICPC) definerer hvilken bruk av legemidler som dekkes av ordningen med forhåndsgodkjent refusjon. Koden skal påføres resepten. Denne listen er en del av norsk lovgivning og kan bare endres av Helse- og omsorgsdepartementet. Retten til refusjon forutsetter at sykdommen har gått inn i en langvarig fase og at det er behov for legemiddel over lang tid (minst 3 måneder). I listen er refusjonsopplysninger knyttet til virkestoffer sortert etter ATC-kode. Legemidler som er forhåndsgodkjent for refusjon må ha markedsføringstillatelse (MA). Statens legemiddelverk avgjør hvorvidt et legemiddel blir tatt inn i listen over legemidler med forhåndsgodkjent refusjon (15). Systemet er implementert fra 1. mars 2009.

1.3 Regular General Practitioner Scheme, pharmacy- and reimbursement systems

Regular General Practitioner Scheme

In June 2001, the Regular General Practitioner (RGP) Scheme was implemented in Norway to ensure regular access to a pre-defined local General Practitioner for all patients and hence improve continuity. The RGP scheme gives all Norwegian inhabitants the right to have a general practitioner (GP) as their regular doctor. Nearly 4000 RGPs are part of this contractual system based on their patient list.

Pharmacies

Primary care pharmacies in Norway operate private commercial businesses, while hospital pharmacies are publicly owned. The pharmacies employ about 6000 employees of which the majority are authorised healthcare providers. A new pharmacy legislation (March 2001) led to major structural changes, mainly regarding pharmacy ownership. Before the new legislation, all the pharmacies were owned by pharmacists (MScPharm). Most pharmacies are now owned by major pharmacy chains but only pharmacists can hold the licence to run a pharmacy. After deregulation, the number of pharmacies has increased greatly, especially in cities. As of January 2009, there were 636 pharmacies in Norway, of which 603 were primary care pharmacies and 33 were publicly owned hospital pharmacies.

The reimbursement system in Norway

The reimbursement scheme is an important tool for the achievement of political health goals regarding social security and welfare for the citizens. One of these goals is that everyone should have access to necessary medicines, regardless of their ability to pay. Membership in the National Insurance programme is mandatory for all Norwegian citizens. Nearly 67% of the costs for prescription-only medicine are covered by the Norwegian National Insurance Administration (14).

A list of diagnoses codes (ICD-10 or ICPC) defines the reimbursable use of drugs included in the reimbursement scheme. The code must be stated on the prescription. This list is a part of the Norwegian legislation and can only be changed by the Ministry of Health and Care Services. A requirement for reimbursement is that the disease/condition is chronic with a need for "long-term treatment" (more than 3 months). In the list, reimbursement requirements are linked to drugs sorted according to ATC code. Drugs on the list must have a Marketing Authorisation (MA). The Norwegian Medicines Agency decides whether

Forhåndsgodkjent refusjon var tidligere basert på en mindre spesifisert sykdomsliste med punkter av varierende detaljeringsgrad, fra godt avgrensede (for eksempel diabetes mellitus) til svært fleksible (for eksempel hjerte-karsykdommer) kategorier.

I tillegg til den generelle refusjonsordningen har pasientene mulighet til å søke om refusjon på individuelt grunnlag for enkelte sykdommer og legemidler som ikke er forhåndsgodkjent for refusjon.

1.4 Grossistbasert legemiddelstatistikk

Statistikk basert på totalt salg av legemidler fra grossist til apotek og sykehus/sykehjem har vært tilgjengelig i Norge siden 1970-tallet. Grossistbasert legemiddelstatistikk omfatter alt salg av legemidler fra grossist til apotek, sykehus/sykehjem, dagligvaredetaljister og andre med tillatelse til å omsette legemidler. Legemidler til dyr og mennesker, både reseptfrie og reseptbelagte, er inkludert i statistikken. Statistikken gir en oversikt over utviklingen i legemiddelomsetningen over tid, både totalt og på fylkesnivå. Statistikken inneholder imidlertid ikke opplysninger om den enkelte legemiddelbruker.

Legemiddelforbruket i Norge – årlig publikasjon
Årlig publiseres data fra den Grossistbaserte legemiddelstatistikken i publikasjonen *Legemiddelforbruket i Norge*. Hver utgave omfatter 5-årsoversikter over totalsalget av reseptfrie og reseptbelagte legemidler i Norge (1). Boken er tilgjengelig på nettsiden www.legemiddelforbruk.no. Nærmere informasjon vedrørende utlevering av data fra den grossistbaserte legemiddelstatistikken finnes på Folkehelseinstituttets nettside www.fhi.no.

or not an application for inclusion in the reimbursement programme should be granted (15). The system will be fully implemented from March 2009.

Reimbursement was earlier based on a list of diseases/conditions where the levels of the diseases varied from specific (e.g., diabetes mellitus) to very broad (e.g., cardiovascular diseases) categories.

In addition to the general reimbursement scheme, patients have the opportunity to apply for reimbursement on an individual basis for diseases/conditions and drugs not included in the list, according to a set of criteria.

1.4 The Norwegian Drug Wholesales Statistics

Statistics based on total sales of drugs from wholesalers to pharmacies and hospitals/nursing homes has been available in Norway since the 1970s. The Norwegian Drug Wholesales Statistics database includes total sales of drugs from wholesalers to pharmacies, hospitals/nursing homes and non-pharmacy outlets and others with permission to sell medicines. Total sales of prescription and non-prescription human and veterinary medicines are included in the statistics. The statistics give an overview of developments in drug consumption over time, both at county and country level. The statistics, however, contain no information about the individual drug user.

Drug Consumption in Norway – published annually
Data from the Norwegian Drug Wholesales Statistics Database have been published annually in *Drug Consumption in Norway (1)* since 1977. Each issue includes total sales data for 5 year periods for both prescription- and non-prescription drugs in Norway. The book is available from the website www.drugconsumption.no. Further information on the Norwegian Drug Wholesales Statistics database, including how to apply for data, can be found at the Norwegian Institute of Public Health's website www.fhi.no.

1.5 Anatomisk Terapeutisk Kjemisk (ATC)-klassifisering

Alle legemidler som er registrert i Norge er gruppert etter ATC-systemet. I ATC-systemet inndeles legemidlene i grupper på 5 nivåer: På 1. nivå fordeles legemidlene på 14 anatomiske hovedgrupper. Det neste nivået (2. nivå) er en terapeutisk eller farmakologisk undergruppe. 3. nivå og 4. nivå er terapeutiske, farmakologiske eller kjemiske undergrupper, mens 5. nivå representerer den kjemiske substansen.

ATC-koden

En fullstendig klassifisering av legemiddelsubstansen spironolakton (vanndrivende middel) med ATC-koden C03DA01 kan illustrere oppbyggingen av ATC-systemet:

- C Hjerte og kretsløp (1. nivå, anatomisk hovedgruppe)
- 03 Diuretika (2. nivå, terapeutisk undergruppe)
- D Kaliumsparende midler (3. nivå, farmakologisk undergruppe)
- A Aldosteronantagonister (4. nivå, farmakologisk undergruppe)
- 01 Spironolakton (5. nivå, kjemisk substans)

Alle spironolakton preparater (Aldactone[®] og Spirix[®]) gis i dette systemet koden C03DA01.

Ved hjelp av dette klassifiseringssystemet kan man lage statistikker over legemiddelforbruk gruppert på 5 ulike nivåer, fra tall som viser totalforbruket av alle preparater klassifisert f.eks. under hovedgruppe C - *Hjerte og kretsløp* (1. nivå), tall for de ulike undergruppene (2., 3. og 4. nivå) og ned til tall som viser forbruket av det enkelte virkestoff.

ATC-kode for hvert enkelt preparat er angitt i *apotekenes vareregister*, og i preparatomtalene (SPC) som er publisert i *Felleskatalogen*. Ved å bruke "Anatomisk terapeutisk kjemisk legemiddelregister" (Felleskatalogens gule del), vil man få en oversikt over hvilke produktnavn hver enkelt ATC-kode omfatter.

1.5 The Anatomical Therapeutic Chemical (ATC) classification system

In the ATC system the drug substances are classified into groups at 5 different levels. The drugs are divided into fourteen main groups (1st level), with one pharmacological/therapeutic sub-group (2nd level). The 3rd and 4th levels are chemical/pharmacological/therapeutic sub-groups and the 5th level is the chemical substance.

The ATC code

A complete classification of the drug *spironolactone* (diuretic) with the ATC code C03DA01 illustrates the structure of the ATC system:

- C Cardiovascular system (1st level, anatomical main group)
- 03 Diuretics (2nd level, therapeutic sub-group).
- D Potassium-sparing agents (3rd level, pharmacological sub-group)
- A Aldosterone antagonists (4th level, pharmacological sub-group)
- 01 Spironolactone (5th level, chemical substance)

All medicinal products containing plain spironolactone (Aldactone[®] and Spirix[®]) are thus assigned the code C03DA01.

The ATC classification system makes it possible to compile drug consumption statistics on 5 different levels, i.e., figures showing total consumption of all preparations classified in main group C - *Cardiovascular system* (1st level), figures for the various sub-groups (2nd, 3rd and 4th levels), and down to figures showing consumption of each active ingredient.

The ATC code for all pharmaceuticals on the Norwegian market can be retrieved from *the pharmacy medicinal product register* and in the monographs of the national drug catalogue "*Felleskatalogen*". The yellow section of the latter, entitled *The Anatomical Therapeutic Chemical Medicines Register*, lists all medicinal products belonging to each of the ATC 5th level codes.

1.6 Definert Døgn-dose (DDD)

I enkelte tabeller i boken er volum av legemiddelbruk angitt i antall DDD. Ved å benytte definerte døgn-doser (DDD) som måleenhet, får man bedre mulighet for sammenligninger mellom alternative legemidler uavhengig av prisdifferanser. Vurdering av volum av legemiddelforbruket gjennom lengre tidsperioder, nasjonalt og internasjonalt, blir enklere og bedre ved bruk av definerte døgn-doser. Måleenheten DDD er definert som *den antatt gjennomsnittlige døgn-dose brukt ved preparatets hovedindikasjon hos voksne*.

Døgn-dosene fastsettes på bakgrunn av en vurdering av bruken internasjonalt, selv om de nasjonale terapitradisjonene kan variere fra et land til et annet (f.eks. bruksområde og doseringsanbefalinger). Den definerte døgn-dose (DDD) bør derfor betraktes som en teknisk måleverdi.

Legemidler som benyttes ved forskjellige indikasjoner kan by på spesielle problemer som det må tas hensyn til ved vurdering av døgn-dosestatistikk. Dosen ved hovedindikasjonen benyttes slik at f.eks. for neuroleptika (ATC N05A) har man valgt psykosedoser som grunnlag for fastsettelse av DDD og ikke de lavere dosene som benyttes ved nevroses. Med unntak for spesielle barnepreparater benyttes doseringer for voksne. Ofte vil DDD for ulike administrasjonsformer være like med unntak av der biotilgjengeligheten er svært forskjellig. For preparater der man benytter en støtdose og en vedlikeholdsdose, vil døgn-dosen være basert på vedlikeholdsdosen. Hvis mulig er den definerte døgn-dosen angitt i mengde aktiv substans. Er det umulig, som f.eks. ved kombinasjonspreparater og enkelte flytende preparater, angis den definerte døgn-dose som antall enkelt-doser (antall tabletter, kapsler, milliliter osv.). For enkelte legemiddelgrupper er DDD ikke fastsatt (f.eks. dermatologiske midler) og tabeller hvor DDD er inkludert omfatter kun de legemidler der DDD er fastsatt.

DDD representerer ikke nødvendigvis den mest forskrevne eller brukte dose, noe som må tas i betraktning når tallene vurderes.

1.6 The Defined Daily Dose (DDD)

In some tables in the book the sales volume of drug consumption is given in number of DDDs. Using DDDs as the unit of measurement allows better comparison between alternative medications, regardless of price differences. The evaluation of drug consumption volumes over time, nationally and internationally, is simplified and improved by the use of DDDs. A DDD is defined as *the assumed average maintenance dose per day for a drug used on its main indication in adults*.

The DDDs are determined on the basis of evaluation of *international* use of the substance in question, bearing in mind that national therapy traditions (indications, dosages) often differ greatly. Each DDD should therefore be regarded as a technical measuring unit.

Drugs used for more than one indication may cause particular problems. For example, for neuroleptics (ATC N05A) the doses used in psychoses, and not the lower doses used to treat neuroses, are chosen when assigning DDDs. With the exception of specially formulated pediatric preparations, adult dosages are used. The DDD for a substance will often be the same, irrespective of the route of administration. However, drugs with different bioavailabilities depending on their administration route will have more than one DDD, each linked to a specific dosage form. For medications where a booster dose is followed by a smaller maintenance dose, the maintenance dose will form the basis for determining the DDD. Whenever possible, the DDD is indicated as the quantity of active substance. When this is impossible, as is the case with combination preparations and some liquid preparations, the DDD is indicated as the number of single doses (number of tablets, capsules, millilitres etc.). In some ATC groups, DDDs are only assigned for some drugs (e.g. ATC group D, dermatologicals) and tables including DDDs will only cover the medications where a DDD has been assigned.

The DDDs are not necessarily the most frequently prescribed or used doses. This must be considered when evaluating the data.

1.7 WHO Collaborating Centre for Drug Statistics Methodology

ATC/DDD-systemet administreres og videreutvikles av WHO Collaborating Centre for Drug Statistics Methodology. Dette senteret er en del av Avdeling for legemiddelepidemiologi ved Nasjonalt folkehelseinstitutt. Nærmere beskrivelse av systemet finnes i publikasjonen *Guidelines for ATC classification and DDD assignment* (16). ATC Index with DDDs, som inneholder en liste over alle fastsatte DDD, kan bestilles fra WHO-senteret (17). Begge publikasjonene finnes i engelsk og spansk versjon. Senterets webside har følgende adresse: www.whocc.no. ATC- og DDD- endringer som er vedtatt blir publisert årlig og gjort gjeldende ved årsskiftet. ATC-/DDD-versjon gjeldende fra januar 2009 er benyttet i boken. Interesserte kan bestille publikasjonene fra WHO Collaborating Centre for Drug Statistics Methodology.

1.7 The WHO Collaborating Centre for Drug Statistics Methodology

The WHO Collaborating Centre for Drug Statistics Methodology is responsible for the administration and development of the ATC/DDD system. The Centre is located at the Department of Pharmacoepidemiology at the NIPH. Further information about the ATC/DDD system is given in the publication *Guidelines for ATC classification and DDD assignment* (16). The *ATC Index with DDDs* which includes a list of all assigned DDDs can be ordered from the Centre (17). Both publications are available in English and Spanish. The website for the Centre is www.whocc.no. ATC and DDD changes are published annually and are applied by the end of the year. ATC/DDD version from January 2009 have been used in the book. Interested parties can order the ATC/DDD publications from the WHO Collaborating Centre for Drug Statistics Methodology.

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2. Kommentarer til utvalgte tema og legemiddelgrupper

2.1 Utvalgte nøkkeltall fra Reseptregisteret

Reseptregisteret inneholder opplysninger fra alle landets apotek om utlevering av legemidler på resept, til forskrivers egen praksis og til institusjoner. I 2008 ble 93 % av legemidlene i Reseptregisteret (målt i DDD) utlevert til enkeltpersoner. Leveransene til institusjoner (sykehus og sykehjem) utgjorde nærmere 6 % av det totale antall DDD og i underkant av 1 % av totalt antall DDD ble utlevert til bruk i forskrivers egen praksis. Salg av reseptfrie legemidler er ikke inkludert i Reseptregisteret. Reseptfritt salg utgjør 18 % av totalt salg av legemidler i Norge målt i DDD (Kilde: Grossistbasert legemiddelstatistikk, Folkehelseinstituttet).

I løpet av 5 års perioden (2004–2008) har totalt over 4,4 millioner individer blitt registrert i NorPD med minst ett legemiddel utlevert på resept fra apotek. Antall legemiddelutleveringer etter resept til pasienter i denne 5 års perioden er ca 170 millioner, eller i gjennomsnitt ca 8 per individ per år.

2. Comments to selected topics and drug groups

2.1 Selected key figures from NorPD

NorPD contains information from all Norwegian pharmacies of prescriptions to individuals, to a prescriber's own practice and to institutions. In 2008, 93% of DDDs in NorPD were dispensed to individuals in ambulatory care. Deliveries to institutions (hospitals and nursing homes) amounted to nearly 6% of the DDDs and just under 1% of the DDDs were dispensed for use in the physician's practice. Sales of OTC medicines are not included in NorPD. OTC sales constitute 18% of total sales of pharmaceuticals in Norway, measured in DDDs (source: Norwegian Wholesale Drug Statistics, Norwegian Institute of Public Health).

During the 5-year period (2004–2008) a total of over 4.4 million individuals have been recorded in NorPD with at least one prescription medication dispensed from a pharmacy. The number of prescriptions dispensed to patients in this 5-year period is approximately 170 million, or an average of about 8 per individual per year.

Table 2.1.1: Number of individuals and one-year prevalence (% of the population) with at least one prescription dispensed in Norway 2004–2008.

| | Women n (%) | Men n (%) | Both genders n (%) |
|------|------------------|------------------|-----------------------|
| 2004 | 1 685 636 (72.8) | 1 331 140 (58.5) | 3 016 776 (65.7) |
| 2005 | 1 730 324 (74.3) | 1 381 385 (60.2) | 3 111 709 (67.3) |
| 2006 | 1 756 444 (74.8) | 1 412 436 (61.0) | 3 168 880 (68.0) |
| 2007 | 1 774 720 (75.0) | 1 440 138 (61.5) | 3 214 858 (68.3) |
| 2008 | 1 797 656 (75.2) | 1 466 102 (61.7) | 3 263 758 (68.5) |

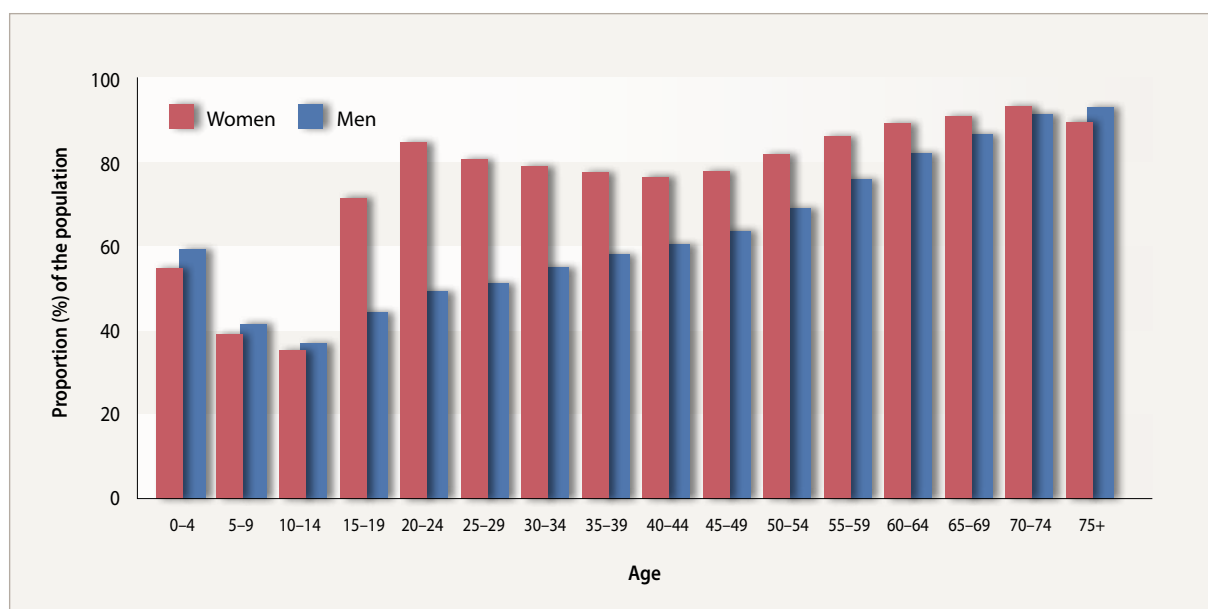


Figure 2.1.1: One-year prevalence (%) of the population who had at least one prescription dispensed in 2008 in Norway according to sex and gender.

Hvert år får to tredjedeler av hele den norske befolkningen utlevert minst ett legemiddel på resept, 75 % av kvinnene og 62 % av mennene (tabell 2.1.1). Krav om at pasientens fødselsnummer skal påføres resepten ble innført 1.oktober 2003. I januar 2004, det første driftsåret for NorPD, var andelen av resepter med ugyldig eller manglende 11-sifret fødselsnummer oppe i nærmere 6 %. Dette medfører at prevalensen av legemiddelbruk i 2004 vil være noe underestimert, og det virkelige antallet personer som mottok minst ett legemiddel på resept i løpet av 2004 ligger noe høyere enn det som er registrert (tabell 2.1.1). Andelen av resepter som mangler 11-sifret fødselsnummer har gått ned i løpet av årene og var i 2008 på 1,4 %. Den svake, men jevnt økende totalprevalensen som fremgår av tabell 2.1.1 kan delvis skyldes at andelen resepter uten fødselsnummer er redusert fra 3,7 % i 2004 til 1,4 % i 2008.

Ettårsprevalensen for å få utlevert legemiddel etter resept i 2008 var lavest for begge kjønn i aldersgruppen 10–14 år (figur 2.1.1). Rundt 90 % av individene i alderen 70 år og eldre fikk utlevert medisiner etter resept. Hvis vi ekskluderer kvinner som ikke mottok noen andre reseptbelagte legemidler enn hormonelle prevensjonsmidler (ATC-kode G03A), blir prevalensen av legemiddelbruk redusert med ca 10–15 % hos kvinner i alderen 15–29 år, men fortsatt var andelen av legemiddelbrukere blant kvinner over 15 år høyere enn blant menn.

Each year about two-thirds of the entire Norwegian population have had at least one prescription dispensed, 75% of women and 62% of men (Table 2.1.1). In January 2004, the first operational year of NorPD, the proportion of prescriptions having invalid or missing personal identification number reached 6%. Therefore, the prevalence figures from 2004 will be too low, and the real number of individuals receiving at least one drug dispensed during the year should be higher (table 2.1.1). The proportion of prescriptions with an invalid personal identification number has declined further to 1.4% in 2008. The weak, but annually increasing total prevalence as shown in Table 2.1.1 may be partly due to the fact that the proportion of prescriptions with invalid or missing personal identification number was reduced from 3.7% in 2004 to 1.4% in 2008.

The age-specific one year prevalence for having a drug dispensed in 2008 was lowest in both genders at about 10–14 years of age (figure 2.1.1). About 90% of individuals aged 70 years and older received prescription medications. Excluding women who received no other prescribed drugs than hormonal contraception for systemic use (ATC code G03A), the prevalence of drug use was reduced by about 10–15% in women aged 15–29, although the proportion of drug users among women over 15 years of age was still higher than in men.

Tabell 2.1.2 viser ettårsprevalens for hele befolkningen som har fått utlevert minst ett legemiddel etter resept innen hver av de 14 ATC-hovedgruppene, totalt og fordelt på kvinner og menn. De tre legemiddelgruppene som er mest brukt blant begge kjønn er antiinfektiva til systemisk bruk (ATC-gruppe J), legemidler med virkning på nervesystemet (ATC-gruppe N) og legemidler som brukes for sykdommer i luftveiene (ATC-gruppe R).

Table 2.1.2 shows the one-year prevalence of the entire population, and among men and women, who received at least one prescription in each of the main ATC groups. The three drug groups most used in both men and women are anti-infectives (ATC group J), drugs effecting the nervous system (ATC group N) and drugs used for respiratory diseases (ATC group R).

Table 2.1.2: One-year prevalence (% of the population) with at least one prescription dispensed in Norway in 2008 according to the ATC groups.

| ATC group | | Women % | Men % | Both gender % |
|-----------|--|------------|----------|------------------|
| A | Alimentary tract and metabolism | 15.5 | 11.5 | 13.5 |
| B | Blood and blood forming organs | 11.2 | 11.5 | 11.3 |
| C | Cardiovascular system | 20.0 | 18.4 | 19.2 |
| D | Dermatologicals | 13.4 | 11.2 | 12.3 |
| G | Genito urinary system and sex hormones | 24.1 | 4.9 | 14.5 |
| H | Systemic hormonal preparations, excl.sex hormones and insulins | 10.1 | 4.8 | 7.5 |
| J | Antiinfectives for systemic use | 30.7 | 21.4 | 26.0 |
| L | Antineoplastic and immunomodulating agents | 1.6 | 1.3 | 1.5 |
| M | Musculo-skeletal system | 21.7 | 16.2 | 19.0 |
| N | Nervous system | 30.0 | 20.5 | 25.3 |
| P | Anti-parasitic products, insecticides and repellents | 2.4 | 1.3 | 1.9 |
| R | Respiratory system | 26.9 | 21.2 | 24.1 |
| S | Sensory organs | 14.0 | 10.9 | 12.5 |
| V | Various | 0.2 | 0.3 | 0.2 |

2.2 Legemiddelbruk under graviditet

Det er fortsatt begrenset informasjon om sikkerheten eller risikoen ved bruk av legemidler hos gravide, samt mulige effekter av fedres legemiddelbruk kort tid før befruktning. Det er viktig å få kunnskap om hvilke legemidler som er mest brukt i forbindelse med graviditeter i Norge. Noen graviditeter er ikke planlagt og det kan føre til at eksponering for legemidler skjer før kvinnene er klar over at de er gravide. De fleste kvinner får ikke bekreftet sin graviditet før 2–3 uker etter befruktning. Disse forholdene kan føre til at kvinnene bruker reseptbelagte medisiner uten at de er klar over at de er gravide.

I en studie fra Folkehelseinstituttet som ble publisert i 2008 i *British Journal of Clinical Pharmacology*, studerte vi alle svangerskap som startet etter 30. mars 2004 og ble avsluttet før 1. januar 2007 (1). Både mors og fars bruk av reseptbelagte medisiner før og under svangerskap ble kartlagt i over 100 000 svangerskap gjennom en kobling av Folkehelseinstituttets to landsomfattende helseregistre, Reseptregisteret (NorPD) og Medisinsk fødselsregister (MFR). Mødrene ble fulgt opp i en 15-måneders periode fra tre måneder før svangerskapet til tre måneder etter fødsel, mens fedrenes legemiddelbruk ble registrert i de tre siste månedene før svangerskapet.

Resultater fra studien (tabell 2.2.1) viser at:

- 8 av 10 kvinner (83 %) fikk utlevert minst ett legemiddel i løpet av hele studieperioden (inkludert tre måneder før og tre måneder etter graviditeten).
- Nær 6 av 10 (57 %) fikk utlevert minst ett legemiddel i løpet av de 9 månedene selve svangerskapet varte.
- Rundt 4 av 10 kvinner (39 %) fikk utlevert minst ett legemiddel i de tre siste månedene før svangerskapet.
- I svangerskapet gikk andelen ned til 3 av 10 innen hvert trimester (33 % i første trimester, 29 % i 2. og 3. trimester).
- I de tre første månedene etter fødsel økte andelen kvinner som fikk legemidler til nær 6 av 10 kvinner (57 %), hovedsakelig på grunn av p-pillebruk og antibiotika
- 25 % av fedrene fikk utlevert minst ett medikament i løpet av de 3 siste månedene før befruktning.

2.2 Prescription drug use during pregnancy

There is still limited information about the safety or risks of use of drugs in pregnancy, as well as the possible effects of paternal use of drugs shortly before fertilization. It is important to gain knowledge about the medicines that are used in connection with pregnancy in Norway. Some pregnancies are unplanned which may lead to exposure to medicines before women realise they are pregnant. Most women are unable to confirm their pregnancy until 2–3 weeks after fertilization. Women may therefore be using prescription medicines without being aware that they are pregnant.

In a study from the Norwegian Institute of Public Health published in 2008 in the *British Journal of Clinical Pharmacology*, we studied all pregnancies that began after 30 March 2004 and were completed before 1st January 2007 (1). Both the mother's and father's use of prescription medications before and during pregnancy was surveyed in over 100 000 pregnancies, through a linkage of two nationwide health registers, the Norwegian Prescription Database (NorPD) and the Medical Birth Registry of Norway (MBRN). Mothers were followed up in a 15-month period, from three months before pregnancy to three months after birth, while fathers' drug use was recorded in the three months before pregnancy.

Results from the study (Table 2.2.1) show that:

- 8 of 10 women (83%) were dispensed at least one drug during the entire study period (including the three months before and three months after pregnancy).
- Almost 6 of 10 (57%) received at least one drug during the 9 months of pregnancy.
- Around 4 of 10 women (39%) received at least one drug in the last three months before pregnancy.
- During pregnancy, the proportion of women using at least one drug declined to 3 of 10 in each trimester (33% in the first trimester, 29% in the 2nd and 3rd trimester).
- In the first three months after birth, the proportion of women who received drugs was nearly 6 of 10 (57%), mainly due to use of oral contraceptives and antibiotics.
- 25% of fathers received at least one drug during the last 3 months prior to conception.

Table 2.2.1: Prescriptions dispensed to women 3 months prior to pregnancy (-1), during each trimester of pregnancy (1, 2, 3) and 3 months after pregnancy (4). N= 106 329 pregnancies.

| ATC main group | | Pregnancy | | | | |
|----------------|--|-----------|--------|--------|--------|--------|
| | | -1 % | 1 % | 2 % | 3 % | 4 % |
| A | Alimentary tract and metabolism | 2.9 | 4.4 | 2.7 | 2.6 | 3.6 |
| B | Blood and blood forming organs | 0.8 | 2.3 | 2.2 | 2.5 | 1.7 |
| C | Cardiovascular system | 0.9 | 0.7 | 0.7 | 1.8 | 4.9 |
| D | Dermatologicals | 4.2 | 3.2 | 3.4 | 2.9 | 6.9 |
| G | Genito urinary system and sex hormones | 12.7 | 6.1 | 1.4 | 1 | 33.7 |
| H | Systemic hormonal preparations, excl.sex hormones and insulins | 3.2 | 2 | 1.8 | 1.9 | 9.6 |
| J | Antiinfectives for systemic use | 11.1 | 10 | 12.2 | 13 | 16.3 |
| L | Antineoplastic and immunomodulating agents | 0.7 | 0.1 | 0 | 0 | 0.1 |
| M | Musculo-skeletal system | 6 | 2.3 | 0.4 | 0.2 | 3.4 |
| N | Nervous system | 7.3 | 5 | 2.9 | 2.8 | 4.3 |
| P | Antiparasitic products, insecticides and repellents | 1 | 0.4 | 0.2 | 0.1 | 1 |
| R | Respiratory system | 8.4 | 7.9 | 7.4 | 7.1 | 5 |
| S+V | Sensory organs and Various | 3.4 | 2.6 | 2.9 | 2.8 | 3.6 |
| Total | | 39.3 | 32.8 | 28.6 | 29 | 57.2 |

Studien viser også hvilke legemidler som er brukt i forbindelse med svangerskapet:

- Antibakterielle legemidler (ATC-gruppe J01) var den legemiddelgruppen som ble brukt av flest kvinner under svangerskapet. Fire av fem kvinner brukte penicilliner som betraktes som sikre for gravide.
- Bruk av legemidler som blant annet smertestillende, beroligende medisiner og antidepressiva (ATC-gruppe N) sank med mer enn 60 % fra 3 måneder før svangerskapet til 3. trimester. Nedgangen skyldtes i hovedsak en reduksjon i bruken av opioider, benzodiazepiner og antidepressiva.
- Før svangerskapet brukte 2,5 % av kvinnene opioider (sterke smertestillende legemidler), men dette ble redusert til ca. 1 % under graviditeten.
- Før svangerskapet brukte 1,8 % av kvinnene antidepressiva, noe som ble redusert til 1,1 % i første trimester og ytterligere redusert til rundt 0,5 % i de to siste trimestrene. Vel 70 % av antidepressiva-brukerne brukte SSRI.
- 650 kvinner brukte antiepileptika, medikamenter

The study also shows which drugs are used in connection with pregnancy:

- Antibacterial drugs (ATC group J01) were the most commonly used drugs during pregnancy. Four of five women used penicillins that are considered safe for pregnant women.
- The use of analgesics, sedatives and antidepressants (ATC group N) was reduced by more than 60% from 3 months before pregnancy to the third trimester. The decline was mainly due to a reduction in the use of opioid analgesics, benzodiazepines and antidepressants.
- Before pregnancy 2.5% of the women used opioids, but this declined to about 1% during pregnancy.
- Before pregnancy 1.8% of women use antidepressants, which was reduced to 1.1% in the first trimester and further declined to about 0.5% in the last two trimesters. About 70% of the users of antidepressants used SSRI.
- 650 women used antiepileptics during preg-

til behandling av epilepsi, i løpet av svangerskapet. 40 % av disse brukte lamotrigin, 23 % brukte karbamazepin og vel 17 % brukte valproat.

- Andelen kvinner som brukte legemidler for obstruktive lungelidelser var ganske stabil i løpet av svangerskapet, men i kontrast til mange andre legemiddelgrupper (for eksempel antibiotika) sank andelen brukere i 3 måneders perioden etter svangerskapet. Andelen brukere av astmamedikamenter lå stabilt på rundt 2 % i løpet av svangerskapet og falt til 1,3 % i perioden etter fødsel.

Denne studien er den første av flere studier som baserer seg på en kobling av to av Folkehelseinstituttets landsomfattende helseregistre.

Resultatene viste at en stor andel kvinner bruker reseptpliktige medisiner kort tid før og under svangerskapet. Også hver fjerde vordende far bruker medisiner kort tid før starten på svangerskapet. Om dette medfører risiko for mor og barn vet vi foreløpig ikke mye om, men det er viktig å følge opp med nye studier av enkeltlegemidler for å studere eventuell risiko for misdannelser hos fosteret.

nancy. 40% of these used lamotrigine, 23% used carbamazepine, and 17% used valproate.

- The proportion of women who used drugs for obstructive airway diseases were fairly stable during pregnancy, but in contrast to many other drug groups (for example antibiotics) the proportion of users in the 3 months period after pregnancy declined. The proportion of users of anti-asthmatic drugs remained quite stable around 2% during pregnancy and declined to 1.3% in the period after birth.

This study is the first of several studies based on a link of two of the Norwegian Institute of Public Health's national health registers. The results demonstrated that a high proportion of women use prescription medicines shortly before and during pregnancy. Also every fourth expectant fathers use drugs shortly before the conception. We still do not know enough about risks that use of drugs in pregnancy may cause the mother and child. More research is needed to explore whether medicine use in pregnant women and expectant fathers has any teratogenic effects. It is important to follow up with new observational studies based on the data linkage of NorPD and MBRN to explore specific drugs' potential risks of deformities in the embryo.

Referanser/References:

1. Engeland A, Bramness JG, Daltveit AK, Rønning M, Skurtveit S, Furu K. Prescription drug use among fathers and mothers before and during pregnancy. A population-based cohort study of 106,000 pregnancies in Norway 2004–06. *British Journal of Clinical Pharmacology* 2008;65:653–60.

2.3 Legemiddelbruk hos barn

Blant barn fra 0–14 år fikk 385 585 individer (44 %) ett eller flere legemidler på resept utlevert i 2008. Ettårsprevalensen i 2008 var lavest for begge kjønn i aldersgruppen 9–13 år (figur 2.3.1).

2.2 Drug use in children

Among children 0–14 years, 385 585 individuals (44%), had one or more prescriptions dispensed in 2008. The one-year prevalence in 2008 was the lowest for both sexes aged 9–13 years (Figure 2.3.1).

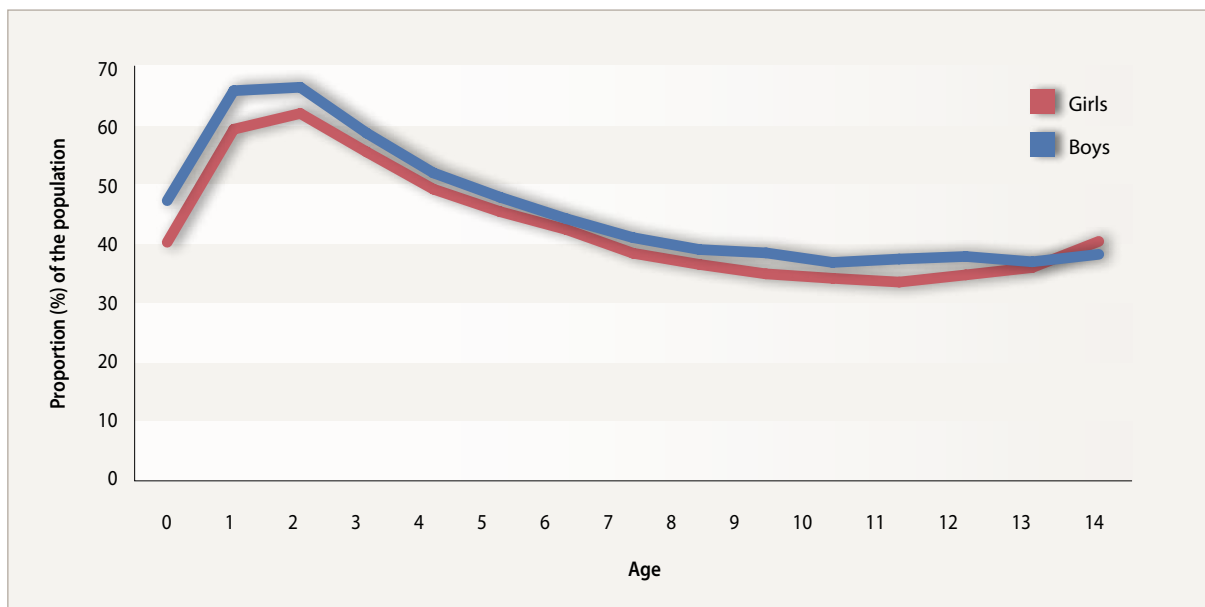


Figure 2.3.1: One-year prevalence (%) of individuals 0–14 years who had at least one prescription dispensed in Norway in 2008.

Legemiddelbruken er størst blant de yngste barna, og ca 54 % av jentene og 59 % av guttene i aldersgruppen 0–4 år fikk utlevert minst ett legemiddel på resept siste år. Andelen av gutter som fikk minst ett legemiddel er litt høyere enn blant jenter fram til 14 års alder. Fra 14-årsalderen øker andelen av jenter som bruker legemidler sterkt, mens andelen for gutter er ganske stabil. Dette skyldes hovedsaklig at jenter begynner å bruke p-piller og annen hormonell prevensjon (ATC-gruppe G03A) i tillegg til økt bruk av antibakterielle midler (ATC-gruppe J01).

De mest brukte legemidlene til barn er midler mot bakterielle infeksjoner, både til systemisk bruk og til behandling av lokale infeksjoner i øye, øre og på huden. De mest brukte midlene ved systemiske infeksjoner er fenoksymetylpenicillin, erythromycin og amoxicillin. En stor andel av antibiotikaforbruket til barn er forårsaket av infeksjoner i luftveiene, inkludert ørebetennelse. Videre er både etylmorfin (R05DA01), som finnes i hostesaft, og efedrin (R03CA02) som brukes ved luftveislager, på listen over de mest

Drug use is most common in the youngest children, and about 54% of girls and 59% of boys aged 0–4 years had at least one prescription dispensed last year. The proportion of boys who received at least one medicine is slightly higher than among girls up to 14 years of age. From 14 years, the proportion of girls who use drugs increases steeply, while the percentage for boys is quite stable. This is mainly due to use of hormonal contraceptives (ATC group G03A) in addition to the increased use of antibacterial agents (ATC group J01) in girls.

The most commonly used drugs in children are agents against bacterial infections, both systemic agents and agents for treatment of local infections in the eye, ear and skin. The most commonly used drugs for systemic infections are phenoxymethylpenicillin, erythromycin and amoxicillin. A large proportion of antibiotic use in children is caused by infections in the respiratory tract, including otitis. Moreover, both ethylmorphine (R05DA01), used in cough mixtures, and ephedrine (R03CA02) used in obstructive airway diseases, are

solgte legemidlene til barn (tabell 2.3.1) Dette viser at luftveissymptomer (også astma) utgjør en stor del av sykdomsbildet i aldersgruppen under 15 år. Øyeinfeksjoner er også en viktig grunn til forskrivning av legemidler til barn. Nesten 1 av 4 barn i alderen 0–4 ble behandlet med antibakterielle øyedråper (kloramfenikol og fusidinsyre) i 2008. Fra 5 års alder synker forbruket kraftig både av systemisk antibiotika og øyedråper, noe som indikerer at barn i barnehagealder er spesielt utsatt for infeksjoner (1).

on the list of the most used drugs for children (Table 2.3.1) This shows that airways symptoms (including asthma) constitute a large part of the disease pattern in the age group under 15 years. Eye infections are also an important reason for the prescription of drugs to children. Almost 1 of 4 children aged 0-4, were treated with antibacterial eyedrops (chloramphenicol, S01AA01 and fusidic acid, S01AA13) in 2008. In children from 5 years of age the use decreases substantially both for systemic antibacterials and eyedrops, which indicate that pre-school children are especially vulnerable to infections (1).

Table 2.3.1: The 20 most prescribed drugs (defined as ATC 5th level) dispensed to individuals aged <15 years in Norway in 2008.

| | ATC code | Active ingredient | Use | Number of individuals | Proportion (%) of the population <15 years |
|----|----------|---|--|-----------------------|--|
| 1 | J01CE02 | Phenoxymethylpenicillin | Antibacterial | 88 769 | 10.1 |
| 2 | S01AA01 | Chloramphenicol | Antibacterial eyedrops | 49 810 | 5.7 |
| 3 | R03AC02 | Salbutamol | Asthma | 48 731 | 5.5 |
| 4 | R03CA02 | Ephedrine | Bronchodilator | 44 518 | 5.1 |
| 5 | R06AE07 | Cetirizine | Antihistamine | 41 959 | 4.8 |
| 6 | R03BA05 | Fluticasone | Asthma | 34 859 | 4.0 |
| 7 | S01AA13 | Fucidic acid | Antibacterial eyedrops | 33 652 | 3.8 |
| 8 | J01FA01 | Erythromycin | Antibacterial | 32 536 | 3.7 |
| 9 | J01CA04 | Amoxicillin | Antibacterial | 30 775 | 3.5 |
| 10 | R05DA01 | Ethylmorphine | Cough suppressant | 19 560 | 2.2 |
| 11 | R06AB02 | Dexchlorpheniramine | Antihistamine | 16 521 | 1.9 |
| 12 | D07AB02 | Hydrocortisone butyrate | Dermatitis/eczema | 14 926 | 1.7 |
| 13 | S01GX02 | Levocabastine | Antihistamine, eyedrops | 14 824 | 1.7 |
| 14 | S03CA04 | Hydrocortisone/ oxytetracycline and polymyxin B | Antibacterial/ antiinflammatory eardrops | 12 914 | 1.5 |
| 15 | D07AA02 | Hydrocortisone | Dermatitis/eczema | 12 276 | 1.4 |
| 16 | R01AD09 | Mometasone | Nasal allergy spray | 12 041 | 1.4 |
| 17 | R06AX27 | Desloratadine | Antihistamine | 11 727 | 1.3 |
| 18 | D06AX01 | Fusidic acid | Antibacterial | 10 681 | 1.2 |
| 19 | R03AK06 | Salmeterol and fluticasone | Asthma | 10 023 | 1.1 |
| 20 | D07AC13 | Mometasone | Dermatitis/eczema | 9 487 | 1.1 |

Astma og allergi er også viktige årsaker til legemiddelbruk hos barn. Astmamidler brukes av ca 8 % av barn under 15 år, hovedsaklig i form av inhalasjonspreparater (ca 88 % av brukerne). Midler mot allergi forskrives både som tablett/mikstur og som lokalt virkende midler mot symptomer i nese og øye. Ca 8 % av barn under 15 år fikk orale antihistaminer mot allergi utlevert på resept i 2008. Reseptfrie pakninger utgjorde vel 11 % av det totale salget av antihistaminer (R06) i hele befolkningen, målt i doser (kilde: Grossistbasert legemiddelstatistikk, Folkehelseinstituttet). Antall barn som brukte orale antihistaminer mot allergi i 2008 vil derfor være noe høyere enn tallene fra Reseptregisteret viser.

Legemidler til bruk på huden er den siste store gruppen legemidler til barn. Disse midlene omfatter hovedsakelig midler mot allergiske hudlidelser som f.eks. atopisk dermatitt. I tillegg brukes det også midler mot hudinfeksjoner uten forbindelse med allergi. Fusidinsyre (til bruk på huden) som tidligere har vært mye brukt i behandling av brennkopper (impetigo), er ikke lenger anbefalt p.g.a høy bakterieresistens (2), men er i 2008 på listen over de 20 mest forskrevne legemidlene til barn under 15 år.

Asthma and allergies are also important causes for use of drugs in children. Asthma agents are used by approximately 8% of children under 15 years, mainly as inhalation products (approximately 88% of the users). Drugs against allergy are prescribed both as tablets / mixtures and as locally-acting formulations against symptoms in nose and eyes. Approximately 8% of children below 15 years had one or more prescriptions for oral antihistamines against allergies dispensed in 2008. Non-prescription packages represented some 11% of the total sales of antihistamines (R06) in the whole population, measured in DDDs (source: Norwegian Wholesale Drug Statistics, Norwegian Institute of Public Health). The number of children who used oral antihistamines against allergies in 2008, is therefore somewhat higher than the figures from NorPD shows.

Drugs for use on the skin are the last major group of drugs used in children. These agents include mainly agents used in allergic diseases such as atopic dermatitis. In addition, agents against skin infections without any connection to allergy are used. Fusidic acid, which has previously been widely used in the treatment of impetigo, is no longer recommended because of high bacterial resistance (2), but is in 2008 included in the list of the 20 most commonly prescribed medicines for children below 15 years.

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2.4 Legemidler mot ADHD

Hva er ADHD?

ADHD (Attention deficit hyperactivity disorder) er en nevrobiologisk forstyrrelse som først og fremst innebærer økt uro og vansker med oppmerksomhet. AD (Attention Deficit) står for oppmerksomhets- og konsentrasjonssvikt. HD (Hyperactivity Disorder) står for hyperaktivitet, uro og impulshandlinger. Symptomene dukker vanligvis opp tidlig i barneårene og vedvarer inn i ungdomsårene og i noen tilfeller også inn i voksenlivet. Ungdom og voksne har ikke det samme, høye aktivitetsnivået, men er ofte rastløse. Diagnosen er basert på en helhetsvurdering og stilles bare hvis vanskene er så store at de skaper problemer for personens evne til å fungere i flere livssituasjoner, som for eksempel både på skolen og hjemme (1).

Behandling

Målet med behandlingen er å redusere symptomene og bedre funksjonen i hverdagen. Legemidler utgjør en viktig del av behandlingen, men skal bare benyttes i kombinasjon med spesialpedagogiske og psykososiale støttetiltak, i følge Veilederen fra Sosial- og helsedirektoratet fra 2005 (1). Sentralstimulerende midler er de vanligste legemidlene i behandlingen av ADHD i Norge i dag (tabell 2.4.1).

Innholdsstoffet metylfenidat har vært på det norske markedet siden 1956 og finnes nå markedsført under 3 ulike preparatnavn: Ritalin[®], Concerta[®] og Equasym[®]. Ritalin[®] tabletter har vært enerådende i mange år og har vært benyttet til behandling av ADHD hos barn over seks år og ungdom samt narkolepsi hos voksne. Ritalin[®] tabletter har en kort virkningstid og må doseres flere ganger daglig, mens Concerta[®] depottabletter, Ritalin[®] kapsler og Equasym[®] Depot kapsler har en langsom-

2.4 Use of medicines for ADHD

What is ADHD?

ADHD (Attention Deficit Hyperactivity Disorder) is a neurobiological disorder that primarily involves increased restlessness and concentration problems. AD (Attention Deficit) stands for the attention and concentration deficit. HD (Hyperactivity Disorder) stands for hyperactivity, restlessness and impulsive behaviour. Symptoms usually appear early in childhood, continuing into adolescence and, in some cases, also into adulthood. Youth and adults do not have the same, high activity level, but are often restless. Diagnosis is based on an overall assessment and is only confirmed if the difficulties are so large that they affect the person's ability to function in multiple life situations, e.g. both school and home (1).

Treatment

The goal of treatment is to reduce symptoms and improve function in everyday life. Drugs are an important part of the treatment, but should only be used in combination with special education and psychosocial support, according to the Guidelines from the Norwegian Directorate of Health and Social Affairs from 2005 (1). Psychostimulants are the most commonly used drugs for treatment of ADHD in Norway today (Table 2.4.1).

Methylphenidate has been available in Norway since 1956 and is now marketed under 3 different trade names: Ritalin[®], Concerta[®] and Equasym[®]. Ritalin[®] tablets have been the main treatment for many years and have been used to treat ADHD in children over six years and youths, and also narcolepsy in adults. Ritalin[®] short-acting tablets need to be taken several times daily, while Concerta[®] Depot tablets, Ritalin[®]

Table 2.4.1: Drugs used in the treatment of ADHD in Norway

| Active ingredient | Trade name | Market authorisation in Norway | Indications According to "Felleskatalogen", Norway (in Norwegian) |
|---------------------|--|--------------------------------|---|
| Methylphenidate | Ritalin [®] | Before 1970 | Hyperkinetisk forstyrrelse/ADHD hos barn og ungdom (6–17 år). Residual ADHD hos voksne. Narkolepsi. |
| | Concerta [®] | 2003 | Hyperkinetisk forstyrrelse/ADHD hos barn (over 6 år) og ungdom som en del av et behandlingsprogram når støttetiltak alene ikke er tilstrekkelig |
| | Equasym [®] | 2004 | Som del av et omfattende behandlingsprogram for barn over 6 år med ADHD når kun hjelpetiltak ikke er tilstrekkelig |
| Atomoxetine | Strattera [®] | 2005 | ADHD hos barn, 6 år og eldre og ungdom som en del av et omfattende behandlingsprogram |
| Racemic amphetamine | Racemic amfetamin | Pharmacy produced | Ikke omtalt i Felleskatalogen |
| Dextro-amphetamine | Dexamin [®] Metamina [®] Dexedrin [®] | On licence | Har ikke markedsføringstillatelse i Norge. Legen må søke om godkjenning/fritak hos Legemiddelverket. |

mere frisetting av metylfenidat som gir en jevnere konsentrasjon i blodet og kan doseres 1 gang daglig. Dette medfører at barn ikke trenger å ta medisiner i skoletida. Atomoksetin (Strattera®) er ikke klassifisert som sentralstimulerende middel eller som narkotika (reseptgruppe A) og ble godkjent for markedsføring i Norge våren 2005 til bruk ved ADHD. Legemidlene demper den kroppslige uroen og impulshandlingene, og bedrer konsentrasjonen. Medikamentene kan ha bivirkninger som nedsatt appetitt, søvnevansker, hodepine, nedstemthet og irritabilitet. I sjeldne tilfeller kan hjertesykdom utløses, særlig hos personer som allerede har hjertesykdom eller en medfødt rytmeforstyrrelse. Langtidseffekten av metylfenidat er ikke kjent (2). Det europeiske legemiddelkontoret (EMA) har bestemt at informasjon om bivirkninger i preparatomtale og pakningsvedlegg for alle metylfenidat-preparater skal oppdateres for å bedre oppfølgingen av ADHD-pasienter. Dette er bestemt etter at EMA nylig gjennomgikk nytte/risiko-forholdet til metylfenidat ved behandling av ADHD hos barn og ungdom (2).

Utvikling av legemiddelbruken ved ADHD i Norge

I likhet med mange andre vestlige land har forbruket av sentralstimulerende legemidler brukt ved ADHD i Norge steget kraftig de senere år. I løpet av 10-årsperioden fra 1999 til 2008 har forbruket steget fra 0,7 til 5,9 målt i definerte døgndoser (DDD)/1000 innbyggere/døgn. Salget i kroner har i samme periode steget fra 4 millioner kroner til 165 millioner i 2008 for disse legemidlene (kilde: Grossistbasert legemiddelstatistikk, Folkehelseinstituttet). Legemidlene som inneholder metylfenidat utgjør 90 % av forbruket både i DDD og kroner. Fra 2004 kan vi ved hjelp av Reseptregisteret følge legemiddelbruken på individnivå.

Barn. I Norge regner Sosial- og helsedirektoratet med at 3–5 prosent av barn og unge under 18 år har ADHD, det innebærer at det i gjennomsnitt er ett barn med ADHD i hver skoleklasse. I 2008 ble vel 13 900 barn under 18 år behandlet med ett eller flere av disse legemidlene. Dette tilsvarer 1,3 prosent av alle barn i aldersgruppen under 18 år (figur 2.4.1). Tre av fire var gutter. Selv om disse legemidlene ikke er godkjent til bruk hos barn under 6 år forskrives de til førskolebarn. Det har imidlertid vært en nedgang i forskrivningen til barn under 6 år, fra vel 100 barn i 2004 til 60 barn i 2008.

Voksne: I Norge har vi ikke undersøkelser som viser hvor hyppig ADHD forekommer hos voksne. Ofte seponeres legemidlene etter puberteten, men ADHD kan imidlertid fortsette inn i voksen alder. Legemiddelbehandling kan derfor være aktuelt også hos voksne. Før 1997 var det i Norge ikke tillatt å behandle ADHD hos voksne med sentralstimulerende legemidler. Men i februar 1997 (etter et stortingsvedtak) ble

capsules and Equasym® Depot capsules are long-acting due to the slower release of methylphenidate, thus avoiding the need for doses during the school day. Atomoxetine (Strattera®) is not classified as a narcotic (prescription group A) and was approved for marketing in Norway in spring 2005 for ADHD treatment in Norway. The drugs act by reducing restlessness, impulsive actions and improving the ability to concentrate. They may have adverse effects like appetite suppression, weight loss, sleep problems, headaches and irritability. In rare cases, cardiovascular disorders can be triggered, especially in individuals who already have heart problems or an innate rhythm disturbance. The long-term effects of methylphenidate are unknown (2). The European Medicines Agency (EMA) has determined that information about the side-effects in the package insert for all methylphenidate-preparations should be updated for better follow-up of ADHD patients. This was decided when EMA recently reviewed the benefit/risk ratio of methylphenidate in the treatment of ADHD in children and adolescents (2).

Use of drugs for ADHD in Norway over time

Like many other Western countries, consumption of psychostimulant drugs used in ADHD in Norway has increased in recent years. During the 10-year period from 1999 to 2008, consumption rose from 0.7 to 5.9 measured in DDDs / 1000 inhabitants / day. In the same period costs have increased from 4 million Norwegian kroner (NOK) to 165 million NOK in 2008 for these products (source: Norwegian Wholesale Drug Statistics, Norwegian Institute of Public Health). Medicines containing methylphenidate constitute 90% of consumption in both DDD and NOK. From 2004, we can use the NorPD to follow drug use in individuals.

Children. In Norway, the Norwegian Directorate of Health estimated that 3–5 percent of schoolchildren have ADHD, which means that on average one child has ADHD in every schoolclass. In 2008, about 13900 children under 18 years were treated with one or more of these drugs. This corresponds to 1.3 percent of all Norwegian children under 18 years of age (Figure 2.4.1). Three out of four were boys. Although these drugs are not approved for use in children under 6 years old, they are prescribed to pre-school children. However, there has been a decline in the use of these drugs in this age group, from more than 100 children in 2004 to 60 children in 2008.

Adults: In Norway, there are no studies that indicate how frequently ADHD occurs in adults. Psychostimulant use is often discontinued after puberty, but ADHD can continue into adulthood. Pharmaceutical treatment may therefore also be necessary in adults. Until

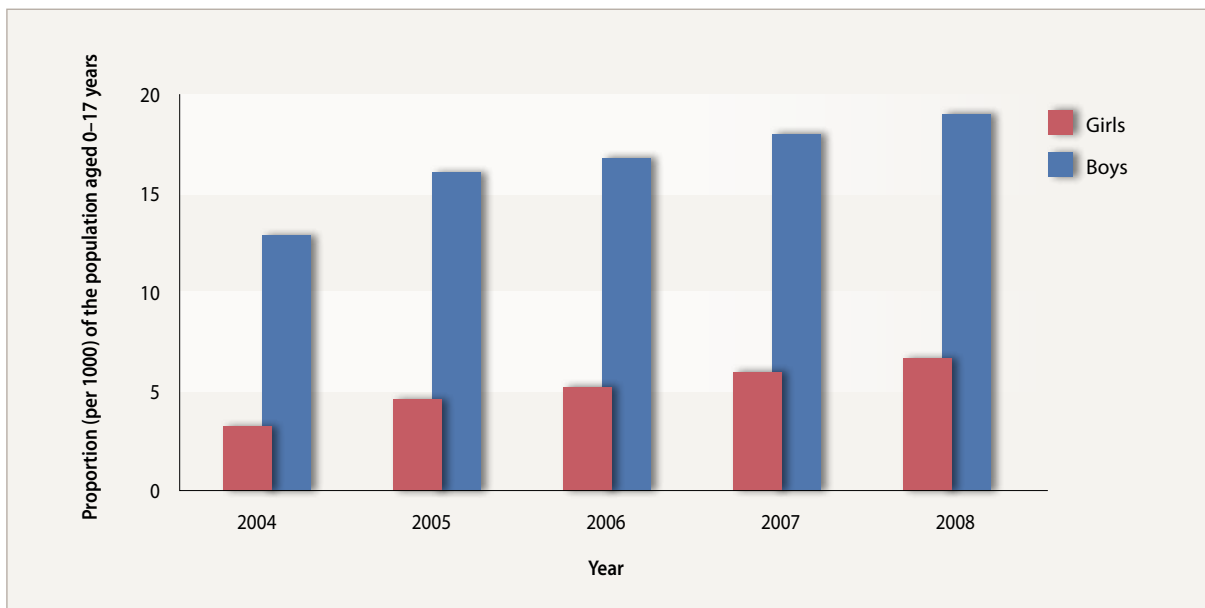


Figure 2.4.1: Proportion of boys and girls 0-17 years (per 1000) with ≥ 1 prescription of ADHD drugs.

det imidlertid åpnet for "Utpøvende behandling med sentralstimulerende legemidler til voksne med hyperkinetisk forstyrrelse/ADHD". I 2004 fikk 3200 voksne forskrevet ett eller flere sentralstimulerende legemidler. I 2008 hadde antallet steget til 10 600 voksne, hvorav kvinner utgjorde over 40 % av brukerne. Noen av disse voksne har imidlertid diagnosen narcolepsi som er en form for søvnforstyrrelse.

Økningen i bruken av sentralstimulerende midler ved ADHD må ses i lys av Opptappingsplanen for psykisk helse der det har vært et mål å øke kapasiteten og tilgjengeligheten til fagpersonell for barn og unge med psykiske lidelser (3). Den kraftige økningen kan delvis forklares med at det i opptappingsplanen ble påpekt en underdiagnostisering og underbehandling av indikasjonen ADHD/hyperkinetisk atferdsforstyrrelse (4). Flere barn og unge får nå medikamentell behandling for sin ADHD. I tillegg er det flere voksne som får sentralstimulerende legemidler for sin ADHD. Økningen kan imidlertid også skyldes en sterkere markedsføring av nye preparater/formuleringer de siste 3–5 årene.

1997, treatment of adult ADHD with psychostimulant drugs was not allowed in Norway. However, in February 1997 (after a parliamentary decision), it was decided to allow "probing treatment with stimulant drugs to adults with hyperkinetic disorder / ADHD". In 2004, 3200 adults were prescribed one or more psychostimulant drugs. In 2008 the number had increased to 10 600 adults, of whom women constituted over 40% of the users. Some of these adults may have the diagnosis narcolepsy, which is a sleep disorder.

The increase in the use of stimulants in ADHD must be seen in light of "Opptappingsplanen for psykisk helse" ("Priority plan for mental health") where one of the objectives has been to increase the capacity and availability of professionals for children and adolescents with psychiatric disorders (3). The sharp increase can be partly explained by the fact that it was pointed out in the plan that there has been an underdiagnosing and undertreatment of the indication ADHD / hyperactivity disorder (4). More children and young people now receive drug therapy for their ADHD. In addition, there are several adults who receive psychostimulant drugs for ADHD. The increase may have also been caused by a stronger marketing of new drugs/formulations in the last 3–5 years.

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2.5 Legemiddelbruk hos eldre (≥70 år) og bruk av demensmidler

Legemiddelbruken i befolkningen øker med alderen. Legemidler til pasienter i sykehus eller sykehjem er ikke tilgjengelig på individnivå i Reseptregisteret. Dette vil gi for lave tall for antall legemiddelbrukere, spesielt i de eldste aldersgruppene. Likevel viser tall fra Reseptregisteret at i aldersgruppen 70 år eller eldre har 90 % hentet minst ett legemiddel på resept i 2008 (figur 2.1.1, s. 22). Andelen går noe ned hos de aller eldste og dette kan forklares ut fra at forskrivning til pasienter i institusjon ikke er med. I totalbefolkningen fikk 68,5 % minst ett legemiddel på resept i 2008 (tabell 2.1.1, s. 21).

Andelen legemiddelbrukere er størst i de eldste aldersgruppene, og de eldre bruker også flere legemidler og større kvantum av legemidlene målt i DDD. I 2008 utgjorde personer 70 år eller eldre en andel på 15 % av alle legemiddelbrukerne og 35 % av totalt antall DDD som utleveres på resept (tabell 2.5.1). Størst andel eldre finner vi i ATC-gruppe B (legemidler til forebygging av blodpropp) og ATC-gruppe C (legemidler mot hjerte/kar sykdommer) der andelen legemiddelbrukere over 70 år er henholdsvis 49 % og 39 %, og de bruker 50 % og 45 % av totalt antall DDD.

Tabell 2.5.2 viser de 20 mest brukte legemidlene på resept hos eldre. Acetylsalicylsyre (Albyl-E®) som benyttes forebyggende mot blodpropp, ligger på topp og brukes av 1 av 3 personer over 70 år. På annen og tredjeplass ligger henholdsvis simvastatin (Zocor®), et kolesterolsenkende middel som benyttes til å

2.5 Drug use in the elderly (≥70 years) and use of anti-dementia drugs

The use of medicines in the population increases with age. Drug consumption by individuals in hospitals and nursing homes is not included at the individual level in the Norwegian Prescription Database (NorPD). This will often provide too low figures for the number of drug users, particularly in the very oldest age groups. Nevertheless, figures from NorPD show that in the age group ≥ 70 years, 90% of the population had at least one drug dispensed on prescription in 2008 (figure 2.1.1, p. 22). The percentage is lower in the age groups above 80 years but this can probably be explained by the fact that prescribing to patients in institutions is excluded. In the general population, the prevalence of drug use was 68.5% in 2008 (table 2.1.1, p. 21).

The proportion of drug users is high in the oldest age groups, and this group also uses more drugs and a higher quantity of each in terms of DDDs. In 2008, the ≥ 70 year age group constituted a share of 15% of all drug users and 35% of the total number of DDDs dispensed on prescription (Table 2.5.1). The largest proportion of elderly is in ATC group B (anti-thrombotic medicines) and ATC group C (drugs for cardiovascular diseases) where the proportion of drug users over 70 years are 49% and 39%, respectively, and they use 50% and 45% of the total number of DDDs.

Table 2.5.2 shows the 20 most used prescription drugs in the elderly. Acetylsalicylic acid (Albyl-E®), used to prevent thrombosis, is top of the list and is used by 1 in 3 people over 70 years. Number two and

Table 2.5.1: Number of individuals having a prescription dispensed in 2008 in the major ATC groups and the corresponding sales in total number of DDDs. Proportion (%) in the age group 70 years and older is given in brackets

| ATC group | Number of individuals (% 70 years or older) | Million DDDs (% 70 years or older) |
|---|--|---------------------------------------|
| A Alimentary tract and metabolism | 645 720 (30) | 197 (34) |
| B Blood and blood forming organs | 539 548 (49) | 191 (50) |
| C Cardiovascular system | 915 220 (39) | 663 (45) |
| G Genito urinary system and sex hormones | 691 357 (12) | 153 (11) |
| H Systemic hormonal preparations, excl. sex hormones and insulins | 355 798 (27) | 61 (29) |
| J Antiinfectives for systemic use | 1 241 680 (15) | 28 (24) |
| M Musculo-skeletal system | 904 223 (17) | 80 (33) |
| N Nervous system | 1 205 125 (23) | 317 (26) |
| R Respiratory system | 1 147 992 (13) | 232 (20) |
| Total | 3 263 758 (15) | 1998 (35) |

forebygge hjertesykdom, og metoprolol (Seloken[®], Selo-Zok[®]), en betablokker til behandling av høyt blodtrykk, hjertesvikt og andre hjertesykdommer. Det mest brukte sovemiddelet i Norge, zopiklon (Imovane[®]), ble brukt av 22 % av personer over 70 år. Hver bruker i denne aldersgruppen bruker i gjennomsnitt 200 DDD (1 DDD = 7,5 mg) av zopiklon i løpet av et år, mens gjennomsnittet blant brukere under 70 år er 150 DDD. Zopiklon er godkjent til bruk ved forbigående kortvarige søvnvanser og som støtteterapi i begrenset tid ved behandling av kroniske søvnvanser. Blant de 20 mest brukte legemidlene finner vi foruten zopiklon, tre andre vanedannende legemidler (kodein og paracetamol (i kombinasjon), diazepam og oxazepam). Se også kapittel 2.6 om bruk av vanedannende legemidler.

three on the list are simvastatin (Zocor[®]), a cholesterol-lowering drug used to prevent cardiovascular diseases, and metoprolol (Seloken[®], SELO-Zok[®]), a beta-blocker for the treatment of high blood pressure, heart failure and other heart disease. The most common hypnotic, zopiclone (Imovane[®]), was used by 22% of people over 70 years. Each user in this age group was on average prescribed 200 DDDs (1 DDD = 7.5 mg) of zopiclone during a year, while the average among users under 70 years was 150 DDDs. Zopiclone is approved for use in patients with short-term sleeping problems, and as add-on therapy for shorter periods in patients with chronic sleeping problems. Among the 20 most used drugs, in addition to zopiclone we find three other drugs with addiction potential (codeine and paracetamol (in combination), diazepam and oxazepam). See also section 2.6 regarding the use of drugs with addiction potential.

Table 2.5.2: The 20 most commonly prescribed drugs (defined as ATC 5th level) dispensed to individuals aged ≥ 70 years in Norway in 2008.

| | ATC code | Active ingredient | Use | Number of individuals n (%) | Number of women n (%) | Number of men n (%) |
|----|----------|-------------------------|-----------------------------------|--------------------------------|--------------------------|------------------------|
| 1 | B01AC06 | Acetylsalicylic acid | Antithrombotic | 184799 (35.3) | 98582 (31.9) | 86216 (40.2) |
| 2 | C10AA01 | Simvastatin | Cholesterol-lowering | 142773 (27.3) | 77376 (25.1) | 65397 (30.5) |
| 3 | C07AB02 | Metoprolol | Antihypertensive/cardiac diseases | 121012 (23.1) | 66428 (21.5) | 54584 (25.5) |
| 4 | N05CF01 | Zopiclone | Hypnotic | 113035 (21.6) | 79201 (25.7) | 33834 (15.8) |
| 5 | N02BE01 | Paracetamol | Analgesic | 82963 (15.9) | 58773 (19.0) | 24190 (11.3) |
| 6 | N02AA59 | Codeine and paracetamol | Analgesic | 80338 (15.4) | 52251 (16.9) | 28087 (13.1) |
| 7 | C03CA01 | Furosemide | Diuretic | 67869 (13.0) | 42788 (13.9) | 25081 (11.7) |
| 8 | C08CA01 | Amlodipine | Antihypertensive/cardiac diseases | 55165 (10.5) | 31038 (10.1) | 24127 (11.3) |
| 9 | B01AA03 | Warfarin | Antithrombotic | 54624 (10.4) | 25006 (8.1) | 29618 (13.8) |
| 10 | H03AA01 | Levothyroxine sodium | Thyroxine supplement | 49674 (9.5) | 40063 (13.0) | 9611 (4.5) |
| 11 | M01AB05 | Diclofenac | NSAID/analgesic | 47411 (9.1) | 29478 (9.6) | 17933 (8.4) |
| 12 | J01CE02 | Phenoxymethylpenicillin | Antibacterial | 47028 (9.0) | 26130 (8.5) | 20898 (9.7) |
| 13 | J01CA08 | Pivmecillinam | Antibacterial | 46852 (9.0) | 36567 (11.9) | 10285 (4.8) |
| 14 | H02AB06 | Prednisolone | Corticosteroid | 45200 (8.6) | 27428 (8.9) | 17772 (8.3) |
| 15 | C01DA02 | Glyceryl trinitrate | Angina pectoris | 42673 (8.2) | 23463 (7.6) | 19210 (9.0) |
| 16 | N05BA01 | Diazepam | Anxiolytic | 42244 (8.1) | 30705 (10.0) | 11539 (5.4) |
| 17 | N05BA04 | Oxazepam | Anxiolytic | 41263 (7.9) | 30745 (10.0) | 10518 (4.9) |
| 18 | R05CB01 | Acetylcysteine | Mucolytic | 36981 (7.1) | 20559 (6.7) | 16422 (7.7) |
| 19 | M05BA04 | Alendronic acid | Osteoporosis | 34218 (6.5) | 31122 (10.1) | 3096 (1.4) |
| 20 | C01DA14 | Isosorbide mononitrate | Angina pectoris | 30140 (5.8) | 16910 (5.5%) | 13230 (6.2) |

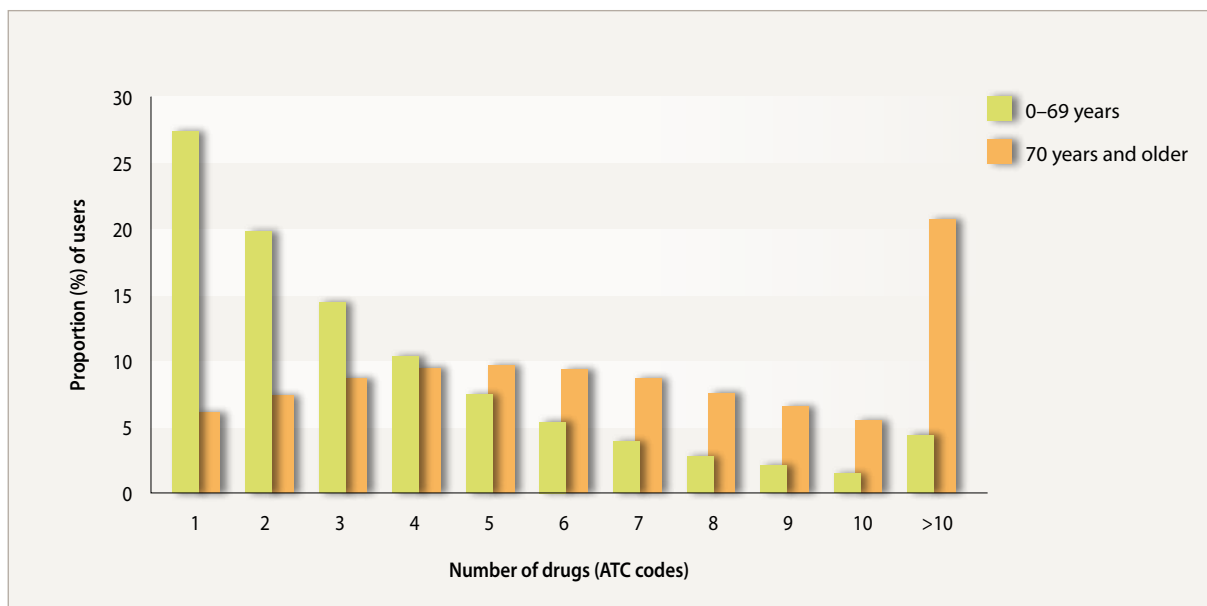


Figure 2.5.1: Proportion (%) of total drug users according to number of drugs dispensed (ATC codes) in 2008 in the age groups 0–69 and 70 years and older.

Figur 2.5.1 viser prosentvis fordeling på antall legemidler (definert som ulike ATC-5. nivåer) som ble utlevert i løpet av 2008 for legemiddelbrukere 70 år eller eldre i forhold til resten av befolkningen (0–69 år). 59 % av legemiddelbrukerne i aldersgruppen 70 år eller eldre fikk utlevert mer enn fem legemidler, mens for de under 70 år var andelen 20 %. Hver femte legemiddelbruker over 70 får mer enn 10 ulike legemidler på resept i løpet av et år. For de under 70 er andelen 4,4 %. Evidensbaserte retningslinjer anbefaler ofte flere legemidler for behandling eller forebygging av sykdom. Dersom et individ i tillegg behandles for flere lidelser, vil vedkommende ofte bruke mange legemidler. Tallene fra Reseptregisteret viser at mange eldre må forholde seg til mange legemidler og det kan øke faren for feilbruk. Videre analyser er nødvendig for å vurdere om tallene indikerer overforbruk, underforbruk eller feilbruk.

Bruk av legemidler mot demens

Fire legemidler (ATC-gruppe N06D) er godkjent til symptomatisk behandling av Alzheimers demens i Norge, donepezil (Aricept®), rivastigmin (Exelon®), galantamin (Reminyl®) og memantin (Ebixa®). I 2008 fikk 13 354 individer utlevert minst ett legemiddel mot demens. I løpet av de siste fem årene har dette antallet holdt seg relativt konstant med en topp på nærmere 14 000 i 2006 og en svak nedgang i antallet de to siste årene. Donepezil (Aricept®) er det mest brukte av disse legemidlene og ble i 2008 brukt av 75 % av de som brukte legemidler mot demens. Se tabell 3.13, s. 113.

Blant brukere av demenslegemidler er 62 % kvinner. Andelen kvinner over 70 år som bruker slike midler

Figure 2.5.1 shows the percentage distribution of the total number of individuals by the number of drugs (defined as different ATC 5th levels) that were dispensed during 2008 to users 70 years or older, compared to the rest of the population (0–69 years). 59% of the drug users in the age group 70 years and older use more than five drugs, while for those under 70 years, the share is 20%. One in five elderly drug users is prescribed more than 10 different drugs in a year. For those under 70 years the proportion is 4.4%. Evidence-based guidelines often recommend several medicines to treat or prevent disease. If an individual is treated for several illnesses, he or she will often use many drugs. The figures from NorPD show that many elderly people will need to handle many drugs which may increase the risk of misuse. Further analysis is required to assess whether the numbers indicate overuse, underuse or misuse.

Use of anti-dementia drugs

Four drugs (ATC group N06D) are approved for symptomatic treatment of Alzheimer's disease in Norway; donepezil (Aricept®), rivastigmin (Exelon®), galantamine (Reminyl®) and memantin (Ebixa®). In 2008, 13 354 individuals were dispensed at least one drug against dementia. In the past five years, this number has been relatively stable with a peak of nearly 14 000 in 2006 and a slight decrease over the last two years. Donepezil was the most frequently used anti-dementia drug in 2008 and was used by 75% of those who used drugs against dementia. See table 3.13, p. 113.

62% of users of anti-dementia drugs are women. The proportion of women over 70 years who use these

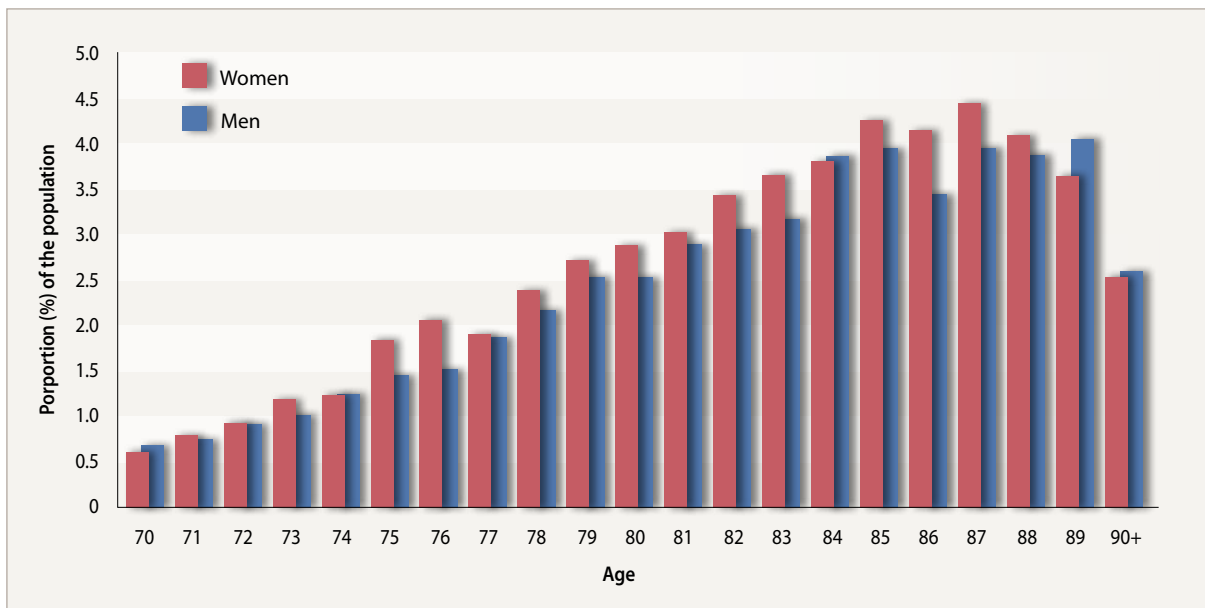


Figure 2.5.2: One-year prevalence (%) of anti-dementia drug prescriptions (ATC N06D) in 2008 according to age and gender, in the age group 70 years or older.

er 2,4 % og andelen menn i samme aldersgruppe er 2,0 %. 92 % av brukerne er over 70 år. Figur 2.5.2 viser andelen eldre over 70 år som i 2008 fikk minst en resept på et demensmiddel fordelt på alder. Andelen øker fra under 1 % hos de som er omkring 70 år, mens fra 84 år og oppover bruker ca 4 % slike legemidler. Som beskrevet for andre legemiddelgrupper, går andelen brukere i Reseptregisteret ned i de høyeste aldersgruppene. I hovedsak skyldes dette at forskrivning av legemidler til individer i institusjon ikke er med i tallene. Tall fra Reseptregisteret viser at 23 % av total bruk av disse legemidlene (målt i DDD) i Norge skjer i institusjoner.

Hver bruker over 70 år hentet i gjennomsnitt sine demensmidler på apoteket seks ganger i løpet av 2008 og gjennomsnittlig bruk var på 275 DDD i 2008.

Av totalt antall brukere i 2008, var 34 % (4 522) nye brukere, dvs at de ikke hadde fått resept på et demensmiddel foregående år. 10 % av de nye brukerne var under 70 år. Siden antallet brukere i 2008 er på omtrent samme nivå som i 2007, kan dette tyde på at en del av de som brukte demensmidler i 2007 har sluttet å bruke disse midlene. Effekten av legemidler mot demens blir karakterisert som beskjeden. Det er også vist i kliniske studier at effekten er heterogen, det vil si at noen pasienter har god effekt, mens andre har liten eller ingen effekt. Det finnes fortsatt ingen kriterier som gjør det mulig å vite på forhånd hvilke

drugs is 2.4% and the proportion of men is 2.0%. 92% of the users are over 70 years. Figure 2.5.2 shows the proportion of elderly over 70 years who had at least one prescription of these drugs in 2008. The percentage is below 1% for those who are aged around 70, while among those 84 years or older, approximately 4% use these drugs. As described for other drug groups, the proportion of users is lower in the highest age groups, mainly because prescribing to individuals in institutions is not included in NorPD. Data from NorPD show that 23% of the total use of anti-dementia drugs (measured in DDDs) in Norway is in institutions.

Each user over 70 years was on average dispensed anti-dementia drugs from a pharmacy six times during 2008 and the average prescribed amount was 275 DDDs in a year.

Of the total number of users in 2008, 34% (4 522) were new users, i.e. they had not been dispensed an anti-dementia drug the previous year. 10% of the new users were under 70 years. Since the total number of users in 2008 and 2007 were similar, the relatively large percentages of new users indicate that many users have stopped using the drugs. The effect of drugs against dementia is characterized as modest. It has also been shown in clinical studies that the effect is heterogeneous, meaning that some patients have a good effect, while others have little or no effect. There are still no criteria that make it possible to know in

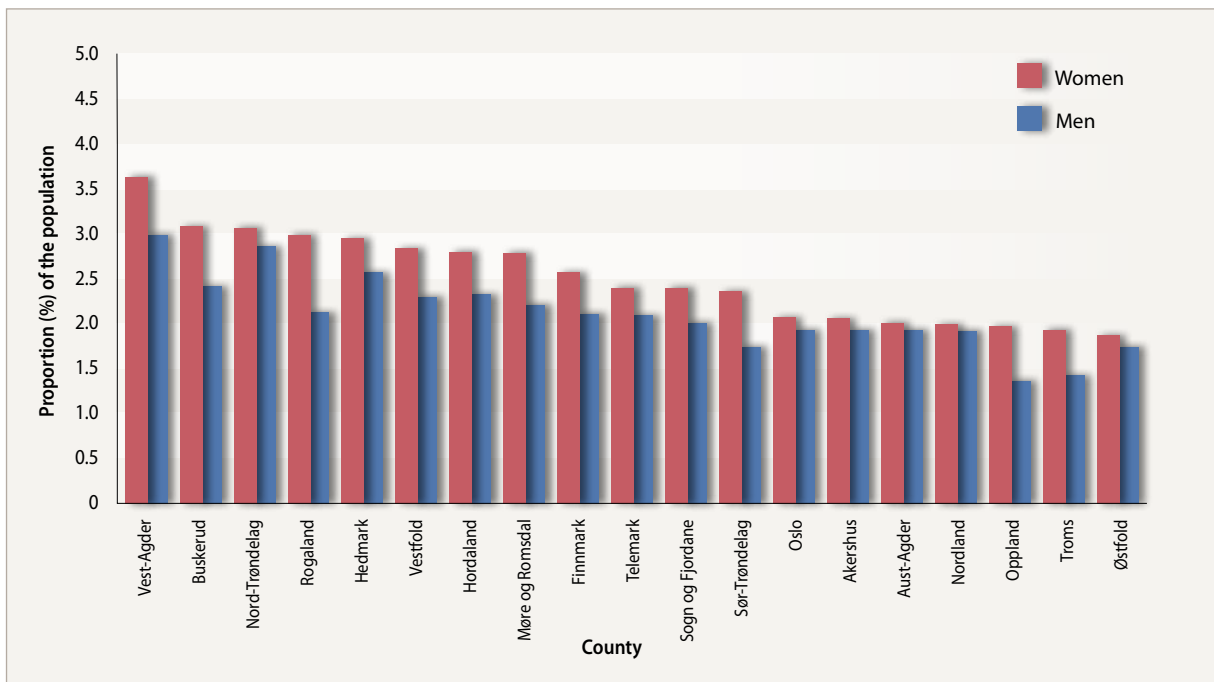


Figure 2.5.3: One-year prevalence (%) of anti-dementia drug prescriptions (ATC N06D) in 2008 in women and men aged 70 years or older by county.

pasienter som har effekt. Legemiddelverket har satt som krav for refusjon av disse legemidlene at "effekten av behandlingen skal kontrolleres og dokumenteres i journal minst hver 6. måned. Sykdomsforløpet skal tilsi at pasienten har nytte av behandlingen, og pasientens tilstand skal være av mild til moderat karakter. Ved mistanke om opphør av effekt skal det gjennomføres prøveseponering" (kilde: www.legemiddelverket.no). Tallene fra Reseptregisteret kan være en indikasjon på at refusjonsvilkårene følges.

Figur 2.5.3 viser fylkesvis bruk av demensmidler hos eldre over 70 år fordelt på kjønn. Tallene viser at ettårsprevalensen hos eldre i Vest-Agder, som ligger høyest, nesten er dobbelt så høy som i Østfold, som ligger lavest. Tallene er ikke justert for forskjeller i alderssammensetningen blant eldre i fylkene.

advance which patients will see an effect. For reimbursement of these drugs, the Norwegian Medicine Agency requires that "the effect of the treatment should be checked and documented in the patient journal at least every 6 months. The disease course will indicate whether the patient is benefiting from treatment, and the patient's condition should be of mild to moderate grade. If lack of effect is suspected, the treatment should be re-evaluated" (source: www.legemiddelverket.no). The figures from NorPD indicate that the reimbursement terms are being followed.

Figure 2.5.3 shows the use of anti-dementia drugs in elderly people in 2008 by county and gender. The one-year prevalence in Vest-Agder is highest and almost twice as high as in Østfold, which has the lowest. The figures are not adjusted for differences in age demographics among the elderly in the counties.

2.6 Bruk av vanedannende legemidler (reseptgruppe B)

Forskrift om narkotika (FOR 1978-06-30) definerer substanser som regnes som narkotika i Norge. Listen i denne forskriften baserer seg på Den alminnelig narkotikakonvensjonen av 1961 og Konvensjonen om psykotrope stoffer av 1971. Statens legemiddelverk bestemmer om enkeltsubstanser skal være helt eller delvis unntatt fra forskriften.

Vanedannende og narkotiske legemidler er definert som legemidler som kan gi:

- rusopplevelse eller eufori
- toleranseutvikling
- abstinensproblemer ved seponering.

Gruppen omfatter sovemidler, beroligende midler, angstdempende midler, sentralt virkende smertestillende midler (opiat og opioider), sentralstimulerende midler, samt enkelte legemidler mot epilepsi, migrene og hoste.

2.6 Use of addictive drugs (prescription group B)

Norwegian drug regulations (FOR 1978-06-30) define substances recognized as narcotics in Norway. The list in this regulation is based on The Common Drug Convention of 1961 and the Convention on Psychotropic Substances of 1971. The Norwegian Medicines Agency decides whether a substance should be completely or partially exempted from the regulation.

Addictive and narcotic drugs are defined as drugs that can provide:

- Intoxication or euphoria
- Tolerance development,
- Abstinence problems on withdrawal.

The group includes hypnotics, sedatives, anxiolytics, centrally-acting analgesics (opiates and opioids), psychostimulants, and some anti-epileptics, anti-migraine drugs, and cough suppressants.

Table 2.6.1: Substances classified as "addictive" (restrictions on dispensing, not classified as narcotics) on the Norwegian market in December 2008.

| ATC code | Active ingredient | Trade names | Use |
|----------|---|---------------------------------|-------------------|
| N01AF03 | Thiopental | Pentothal-Natrium inj* | Anesthetic |
| N02AA59 | Codeine and paracetamol | Paralgin forte, Pinex forte | Analgesic |
| N02AX02 | Tramadol | Nobligan, Tramadol | Analgesic |
| N02CA72 | Ergotamine, combinations with psycholeptics | Anervan | Antimigraine |
| N03AE01 | Clonazepam | Rivotril | Antiepileptic |
| N03AA02 | Phenobarbital | Fenemal | Antiepileptic |
| N05BA01 | Diazepam | Stesolid, Valium, Vival | Anxiolytic |
| N05BA04 | Oxazepam | Alopam, Sobril | Anxiolytic |
| N05BA12 | Alprazolam | Xanor | Anxiolytic |
| N05CD02 | Nitrazepam | Apodorm, Mogadon | Hypnotic |
| N05CD08 | Midazolam | Dormicum inj *, Midazolam inj * | Hypnotic |
| N05CF01 | Zopiclone | Imovane, Zopiclone | Hypnotic |
| N05CF02 | Zolpidem | Stilnoct, Zolpidem | Hypnotic |
| N05CM02 | Clomethiazole | Heminevrin | Hypnotic |
| R05DA01 | Ethylmorphine | Cosylan mikst | Cough suppressant |
| R05DA04 | Codeine | Kodein tab | Cough suppressant |
| R05FA02 | Opium derivatives and expectorants | Solvipect comp mikst | Cough suppressant |

*injections only

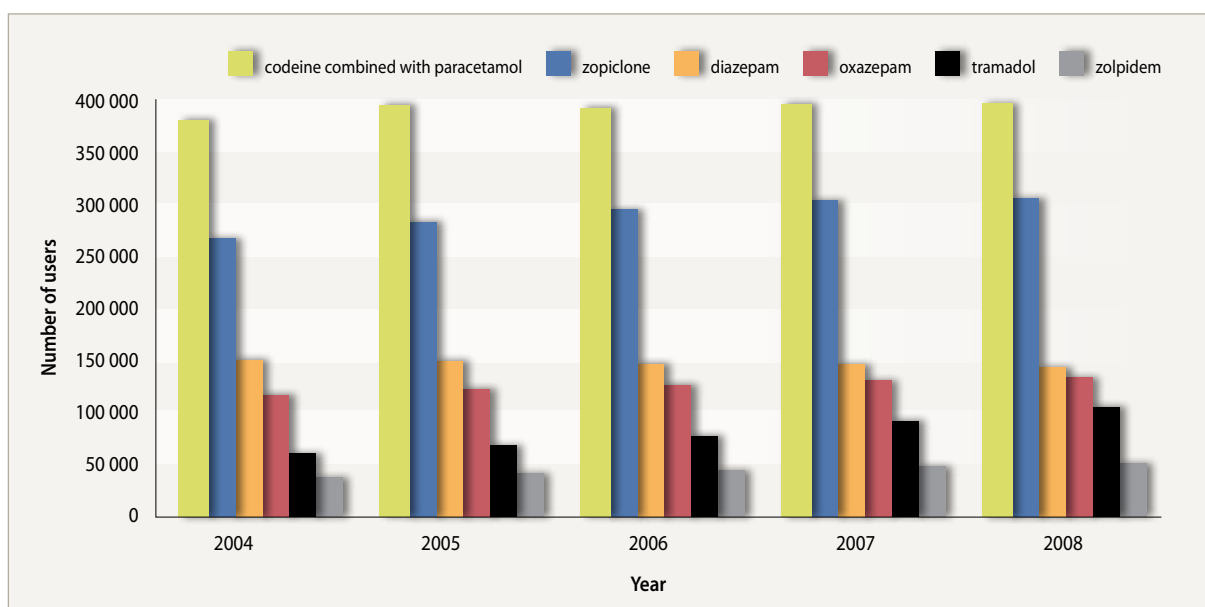


Figure 2.6.1: Number of individuals who had at least one prescription dispensed of codeine and paracetamol (in combination), zopiclone, diazepam, oxazepam, tramadol or zolpidem in the period 2004 to 2008.

Vanedannende og narkotiske legemidler med markedsføringstillatelse plasseres i én av to resept-grupper: A-preparater (narkotika) og B-preparater (andre vanedannende legemidler). Statens legemiddelverk avgjør plassering i reseptgruppe. Forskrivning av A-preparater skal skje på en autorisert blankett. B-preparater kan skrives ut på en vanlig reseptblankett, men kan bare ekspederes én gang, og resepten skal holdes tilbake i apoteket. Tabell 2.6.1 angir legemidler klassifisert som B-preparater i Norge per desember 2008.

Grossistbasert legemiddelstatistikk viser at det i 10-årsperioden 1999 til 2008 har vært en relativt sterk økning i salget av B-preparater. I 1999 var salget 66 DDD/1000 innbyggere/døgn som økte til 81 DDD/1000 innbyggere/døgn i 2008. I hovedsak kan denne økningen tilskrives økt salg av zopiklon (fra 30 DDD/1000 innbyggere/døgn i 1999 til 43 DDD/1000 innbyggere/døgn i 2008). Fra og med 2005 har imidlertid salget flatet ut, og salget i 2008 viser en svak nedgang i solgte DDD i forhold til 2007. Målt i DDD utgjorde sovemidler/beroligende midler (hypnotika og sedativa) 53 %, angstdempende midler (anxiolytika) 24 % og sterke smertestillende midler (analgetika) 19 % av salget av B-preparater i 2008. Til sammen utgjorde disse tre gruppene 96 % av salget. Hostestillende midler utgjør 2,5 % av forbruket målt i DDD.

Grossistbasert legemiddelstatistikk er egnet til å følge totalforbruket over tid, men gir ikke opplysninger om brukerne av disse legemidlene. Siden B-preparatene

Addictive and narcotic drugs with marketing authorization are placed in one of two groups: A-substances (narcotics) and B-substances (other addictive drugs). The Norwegian Medicines Agency decides the prescription group. A-preparations should be prescribed using an authorized form. B-preparations can be prescribed on a standard prescription, but can only be dispensed with the prescription being retained in the pharmacy. Table 2.6.1 lists the drugs classified as B-preparations in Norway as of December 2008.

The Norwegian Wholesale Drug Statistics show a relatively strong increase in sales of B-preparations in the 10-year period 1999 to 2008. In 1999, sales were 66 DDD/1000 inhabitants / day which increased to 81 DDD/1000 inhabitants / day in 2008. The main reason for this increase is increased sales of zopiklon (from 30 DDD/1000 inhabitants / day in 1999 to 43 DDD/1000 inhabitants / day in 2008). Since 2005, however, sales levelled off, and show a slight decrease compared to 2007. Measured in DDDs, hypnotics and sedatives account for 53%, anxiolytics for 24% and opioid analgesics for 19% of the sales of B-preparations in 2008. Together, these three groups accounted for 96% of sales. Cough suppressants constitute only 2.5% of the consumption measured in DDD.

The Norwegian Wholesale Drug Statistics can be used to follow the total consumption over time, but do not provide information about the drug users. Since B-preparations have an addictive potential,

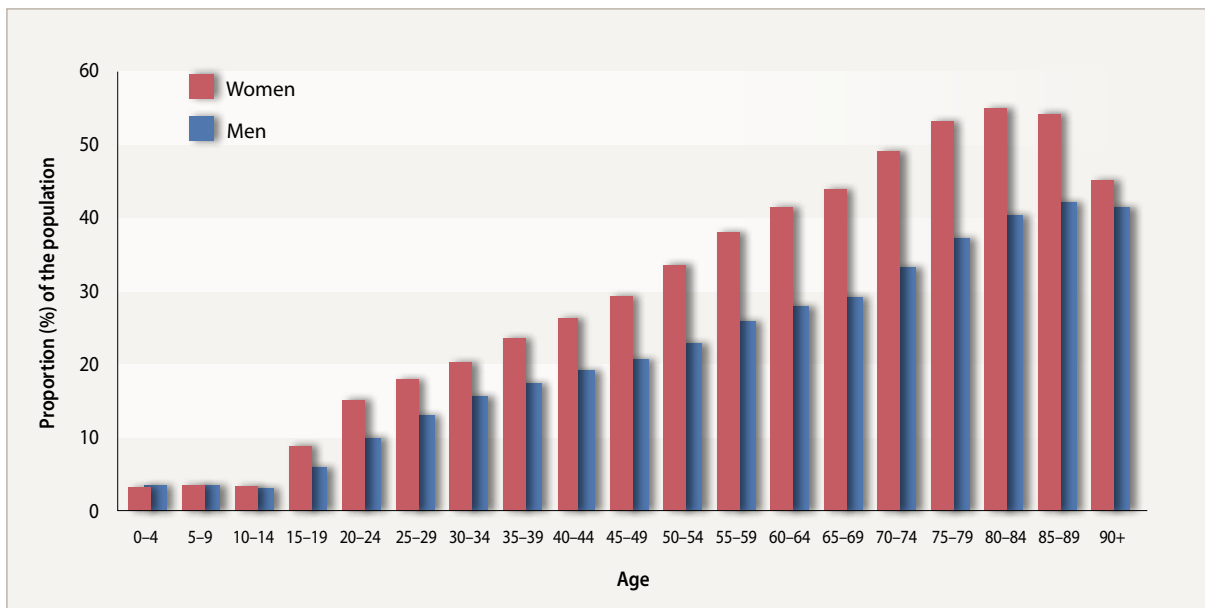


Figure 2.6.2: Prevalence according to age and gender of having at least one prescription dispensed of substances classified as "addictive" in Norway in 2008.

har et vanedannende potensial, er det av spesiell interesse å studere brukere, eventuelt storforbrukere. Reseptregisteret som er individbasert, er derfor en viktig kilde til informasjon om brukerne.

Følgende seks B-preparater ble mest brukt i hele femårsperioden: kodein kombinert med paracetamol, zopiklon, diazepam, oxazepam, tramadol og zolpidem (figur 2.6.1). Zopiklon hadde en økning på 38 000 brukere fra 2004 til 2008, mens tramadol økte med nær 45 000 brukere i samme periode. Oxazepam og zolpidem har også økt noe, mens antall brukere av diazepam har vist en svak nedgang. Hostestillende miksturer (Cosylan og Solvipect comp) har et stort antall brukere, 286 000 i 2008, men brukes over kort tid og utgjør totalt sett et lavt antall DDD. Disse legemidlene er derfor utelatt i Figur 2.6.1.

Figur 2.6.2 viser at antallet individer som fikk utlevert et B-preparat er sterkt økende med alder og at kvinner dominerer i alle aldersgrupper unntatt blant de aller yngste. I aldersgruppen 80–84 år fikk 55 % av alle kvinner utlevert et B-preparat minst en gang i løpet av 2008. Reseptregisteret inneholder ikke opplysninger om utlevering av legemidler til individer i institusjoner, og prevalens i de eldste aldersgruppene vil derfor være underestimert.

Tabell 2.6.2 viser fordelingen av det totale antall DDD for de mest brukte B-preparatene utlevert til hvert

it is of particular interest to study users, especially large consumers. The NorPD is based on individual consumption and is therefore an important source for information about drug use on an individual level.

The following six B-preparations had the highest number of users in the entire five-year period: Codeine combined with paracetamol, zopiclone, diazepam, oxazepam, tramadol and zolpidem (Figure 2.6.1). Zopiclone had an increase of 38 000 users from 2004 to 2008, while tramadol increased by nearly 45 000 users in the same period. Oxazepam and zolpidem have had a slight increase, while the number of users of diazepam showed a slight decline in number of users. Cough suppressants (Cosylan and Solvipect comp) have a large number of users, 286 000 in 2008, but are used over a short period of time and represent a low number of DDDs dispensed. These drugs are therefore omitted in Figure 2.6.1.

Figure 2.6.2 shows that number of individuals who had received a B-preparation (including cough suppressants) is strongly increasing with age and that women predominate in all age groups except among the very young. In the age group 80-84 years 55% of all women received a B-preparation at least once during 2008. NorPD does not contain information about dispensing to individuals in institutions, and so the prevalence in the oldest age groups will be underestimated.

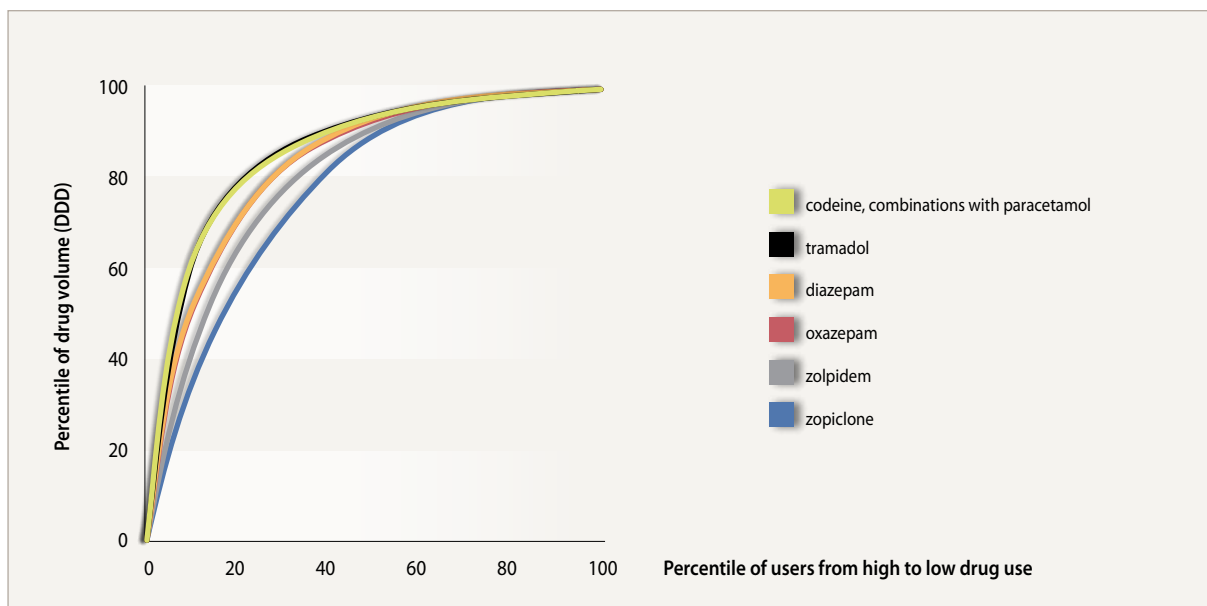


Figure 2.6.3: Lorenz curves for codeine with paracetamol, tramadol, diazepam, oxazepam, zolpidem, and zopiclone. The Lorenz curves for tramadol and oxazepam are similar to the Lorenz curves for codeine and paracetamol combinations and diazepam, respectively. The graph shows the proportion of drug use that is accounted for by the percentiles of drug users, ranked from high to low drug use in 2008.

individ i 2008. For alle disse legemidlene var gjennomsnittlig antall DDD større enn median. Dette viser at fordelingen av forbruket er skjevt. Mange har fått utlevert små pakninger i løpet av 2008, mens en mindre gruppe har fått utlevert større mengder.

Lorenz-kurvene viser kumulativ andel av det totale forbruket målt i DDD plottet mot kumulativ andel av individene sortert fra høyt til lavt forbruk (figur 2.6.3 og tabell 2.6.3). Forbruket er mest skjevfordelt for kodein (kombinert med paracetamol) og tramadol. Kurvene viser at 1 % av brukerne av kodein kombinert

Table 2.6.2 shows the distribution of the total number of DDDs of the most common B-preparations dispensed to individuals in 2008. For all these drugs the average number of DDDs (mean) was greater than median. This shows that the distribution of consumption is skewed. Many have had small packages dispensed during 2008, while a smaller group has had greater quantities dispensed.

The Lorenz curves show cumulative proportions of the total consumption measured in DDDs plotted against cumulative proportion of individuals sorted

Table 2.6.2: Distribution of use of the most common substances classified as "addictive" in 2008 in number of DDDs.

| Active ingredient | Number of defined daily doses (DDD) dispensed in 2008 | | | | | | |
|------------------------|---|------|--------------|------|------|------|------|
| | Number of patients | Mean | Percentiles | | | | |
| | | | 50% (median) | 80 % | 90 % | 95 % | 99 % |
| Codein and paracetamol | 396388 | 51 | 13 | 50 | 133 | 250 | 567 |
| Zopiclone | 305415 | 171 | 100 | 300 | 400 | 500 | 860 |
| Diazepam | 143254 | 114 | 38 | 167 | 315 | 500 | 863 |
| Oxazepam | 133510 | 85 | 30 | 120 | 230 | 360 | 708 |
| Tramadol | 105478 | 40 | 10 | 42 | 107 | 200 | 433 |
| Zolpidem | 51113 | 142 | 60 | 230 | 400 | 500 | 900 |

Table 2.6.3: Distribution of users of the most common substances classified as "addictives" in 2008 according to Lorenz curves (figure 2.6.3): cumulative drugs dispensed by 1% and 50% of the drug users.

| From Lorenz curve: | Percent of all DDD's dispensed | |
|-------------------------|--------------------------------|-------------------|
| | 1% of drug users | 50% of drug users |
| Codeine and paracetamol | 16.5 | 93.4 |
| Tramadol | 16.0 | 94.3 |
| Diazepam | 11.1 | 93.4 |
| Oxazepam | 12.0 | 93.5 |
| Zolpidem | 9.9 | 91.2 |
| Zopiclone | 7.5 | 88.8 |

med paracetamol stod for 16,5 % av det totale forbruket (tabell 2.6.3) og tramadol viste samme forbruksmønster. For de andre legemidlene var 1 %-andelen litt lavere. Tabell 2.6.2 viser at 50 % av brukerne av kodeinkombinasjonene har fått utlevert mindre enn 13 DDD i 2008, mens 1 % har fått utlevert mer enn 567 DDD. Dette betyr at mange individer har fått utlevert én pakning bare én gang, mens noen få har fått utlevert svært mange DDD.

Med utgangspunkt i Reseptregisteret er det gjennomført en rekke studier om vanedannende legemidler, se referanselisten.

from high to low consumption (Figure 2.6.3 and Table 2.6.3). Consumption is the most skewed for codeine combined with paracetamol, and tramadol. Curves show that 1% of the users of codeine combinations accounted for 16.5% of the total consumption (Table 2.6.3) and tramadol showed the same pattern. For the other drugs the 1%-share was a little lower. Table 2.6.2 shows that 50% of the users of codeine combinations have had less than 13 DDDs dispensed in 2008, while 1% had been given more than 567 DDDs. This means that many individuals have had small packages dispensed once only, while some have had many DDDs dispensed.

Based on data from NorPD, a range of studies have been carried out on addictive drugs, see reference list.

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2.7 Bruken av legemidler med effekt på immunsystemet med fokus på TNF- α -hemmere

Legemidler i ATC-gruppe L inkluderer midler mot kreft (ATC-gruppe L01 og L02) og midler som virker på immunsystemet (ATC-gruppe L03 og L04). Legemidler som i hovedsak virker stimulerende på immunsystemet er klassifisert i ATC-gruppe L03, og legemidler med en dempende effekt er klassifisert i L04. Det er imidlertid glidende overganger mellom disse gruppene siden begge inkluderer legemidler som er rettet mot kompliserte mekanismer som skaper ubalanse i immunresponsen.

Legemidler i ATC-gruppe L04 (immundempende) kan videre deles opp i selektive immunsuppressive midler, tumornekrosefaktor-alfa (TNF- α)-hemmere, kalsineurin-hemmere og andre immunsuppressiver. Midlene brukes i stor grad til forebygging av organavstøtning hos transplanterte pasienter og til behandling av noen typer kreft og sykdommer med overaktivert immunsystem, blant annet forskjellige inflammatoriske revmatiske lidelser, tarmsykdommer og psoriasis.

Det er i dag 3 preparater som er tilgjengelige for klinisk bruk i Norge som inneholder TNF- α -hemmere (ATC-gruppe L04AB): Enbrel[®] med virkestoffet etanercept, Remicade[®] med virkestoffet infliximab og Humira[®] med virkestoffet adalimumab. Etanercept og adalimumab administreres i form av injeksjoner mens infliximab gis som infusjon. Per i dag er TNF- α -behandling reservert til de dårligste pasientene som ikke har fått god nok effekt av annen behandling.

De fleste preparatene i ATC-gruppe L har høye kostnader, og i 2008 utgjorde salget 2,9 milliarder kroner, tilsvarende 16,4 % av de totale legemiddelkostnadene i Norge (kilde: Grossistbasert legemiddelstatistikk, Folkehelseinstituttet). Data fra Reseptregisteret viser at TNF- α -hemmere var den største gruppen med en omsetning på 1,12 mrd kroner. Dette er en økning på 12 % i forhold til 2007 og mer enn en dobling siden 2004. Også antall individer som får behandling med TNF- α -hemmere er stigende og tall fra Reseptregisteret viser at det i 2008 var 7 452 brukere av disse preparatene sammenlignet med 6 540 og 5 536 brukere i henholdsvis 2007 og 2006. Av disse har cirka 70 % fått Enbrel[®] (etanercept). Se også tabell 3.11, s. 102.

Totaltall for antall solgte definerte døgndoser for infliximab i tabell 2.7.1 viser at dette preparatet brukes mer enn etanercept, men at utleveringer til individer var på 3,6 % av totalbruken i 2008. Dette skyldes at infliximab gis til pasienter som infusjon hovedsakelig på syke-

2.7 Use of drugs that modulate the immune system with focus on TNF- α inhibitors

Drugs in ATC group L include drugs against cancer (ATC group L01 and L02), and drugs that modulate the immune system (ATC group L03 and L04). Drugs that mainly stimulate the immune system are classified in ATC group L03, and drugs with the inhibitory effect are classified in ATC group L04. However, there is some transition between these groups since they include drugs that target complex mechanisms that create imbalance in the immune response.

Drugs in ATC group L04 (immunosuppressants) can be further divided into selective immunosuppressants, tumour necrosis factor alpha (TNF- α) inhibitors, calcineurin inhibitors and other immunosuppressants. These drugs are used largely to prevent organ rejection in transplant patients and to treat some types of cancer and diseases characterized by hyperactive immune response, including various inflammatory rheumatic and bowel diseases and psoriasis.

Currently, three drugs containing TNF- α inhibitors (ATC group L04AB) are available for clinical use in Norway: Enbrel[®] with active ingredient etanercept, Remicade[®] with active ingredient infliximab and Humira[®] with active ingredient adalimumab. Etanercept and adalimumab are administered by injection, while infliximab is given by infusion. Today, TNF- α treatment is reserved for the patients who do not benefit from the other treatments.

Most of the drugs in the ATC-group L are expensive, and 2008 sales amounted to 2.9 billion Norwegian Kroner (NOK), equivalent to 16.4% of the total drug sale in Norway (source: The Norwegian Wholesale Drug Statistics, Norwegian Institute of Public Health). Figures from NorPD show that TNF- α inhibitors were the largest group with a turnover of 1.12 billion NOK. This is an increase of 12% relative to 2007 and has more than doubled since 2004. The number of individuals receiving treatment with TNF- α inhibitors is also rising, and figures from NorPD show that in 2008 there were 7 452 users of these drugs compared with 6 540 and 5 536 users in 2007 and 2006, respectively. Of these, approximately 70% have received Enbrel[®] (etanercept). See also Table 3.11, page 102.

The number of dispensed defined daily doses for infliximab presented in Table 2.7.1 show that this drug has higher consumption than etanercept but that prescriptions to individuals accounted for only 3.6% of the total use in 2008. This is because infliximab

Table 2.7.1: Number of defined daily doses (DDDs) for TNF- α inhibitors in Norway for the period 2004–2008.

| ATC – Active ingredient | Year | Number of DDDs prescribed to individuals | Total number of DDDs used (incl. institutions) | Share of DDDs prescribed to individuals |
|-------------------------|------|--|--|---|
| L04AB01 – Etanercept | 2004 | 679 957 | 682 550 | 99.6 % |
| | 2005 | 944 750 | 948 061 | 99.7 % |
| | 2006 | 1 197 343 | 1 201 472 | 99.7 % |
| | 2007 | 1 281 507 | 1 288 482 | 99.5 % |
| | 2008 | 1 419 889 | 1 430 410 | 99.3 % |
| L04AB02 – Infliximab | 2004 | 320 853 | 747 519 | 42.9 % |
| | 2005 | 334 587 | 881 919 | 37.9 % |
| | 2006 | 157 627 | 1 143 786 | 13.8 % |
| | 2007 | 167 107 | 1 393 053 | 12.0 % |
| | 2008 | 56 160 | 1 551 146 | 3.6 % |
| L04AB04 – Adalimumab | 2004 | 222 290 | 223 504 | 99.5 % |
| | 2005 | 295 862 | 300 841 | 98.3 % |
| | 2006 | 423 200 | 432 814 | 97.8 % |
| | 2007 | 506 966 | 531 766 | 95.3 % |
| | 2008 | 617 697 | 653 490 | 94.5 % |

husavdelinger. Legemidler til pasienter i sykehus eller sykehjem er ikke tilgjengelig på individnivå i Reseptregisteret, og tallene over antall brukere av infliximab vil derfor være for lave. Figur 2.7.1 viser at bruken av TNF- α -hemmere er litt høyere for kvinner enn for menn. Kun en liten andel av brukerne av infliximab er inkludert i disse tallene, og dette vil kunne skape en viss skjevhet i kjønnsfordelingen da infliximab brukes mest for inflammatoriske tarmsykdommer som forekommer oftere hos menn enn hos kvinner.

Det var store forskjeller i prevalensen i bruken av TNF- α -hemmere i ulike aldersgrupper (Figur 2.7.2). I perioden 2004-2007 var bruken størst i 60-79 aldersgruppen, mens i 2008 var andelen brukere størst i aldersgruppen 40-59 år. Yngre pasienter er ikke hyppige brukere av TNF- α -hemmere, noe som kan forklares med at forskrivningen styres av sykdomsaktivitet og tidligere gjennomgått behandling, og at insidensen og alvorlighetsgrad av lidelser som kan ha nytte av denne behandlingen øker med økende alder.

is given to patients by infusion mainly in hospitals. Drugs given to patients in hospitals or nursing homes are not included at the individual level in the NorPD, and therefore figures for the number of users of infliximab will be too low. Figure 2.7.1 shows that the use of TNF- α inhibitors is slightly higher for women than for men. Only a small proportion of infliximab users are included in these data which could create a certain imbalance in the gender distribution since infliximab is mostly used for inflammatory bowel diseases which occur more often in men than in women.

The one-year prevalence of TNF- α inhibitor prescriptions differs greatly between age groups (Figure 2.7.2). In the period 2004-2007 TNF- α inhibitors were most widely used in the 60-79 year age group, while in 2008, the prevalence of use was highest among 40-59 year olds. The low prevalence among the youngest patients can be explained by the fact that prescribing of these drugs is limited and strongly depends on disease activity and previous treatment, and that the incidence and severity of disorders that can benefit from this treatment increases with increasing age.

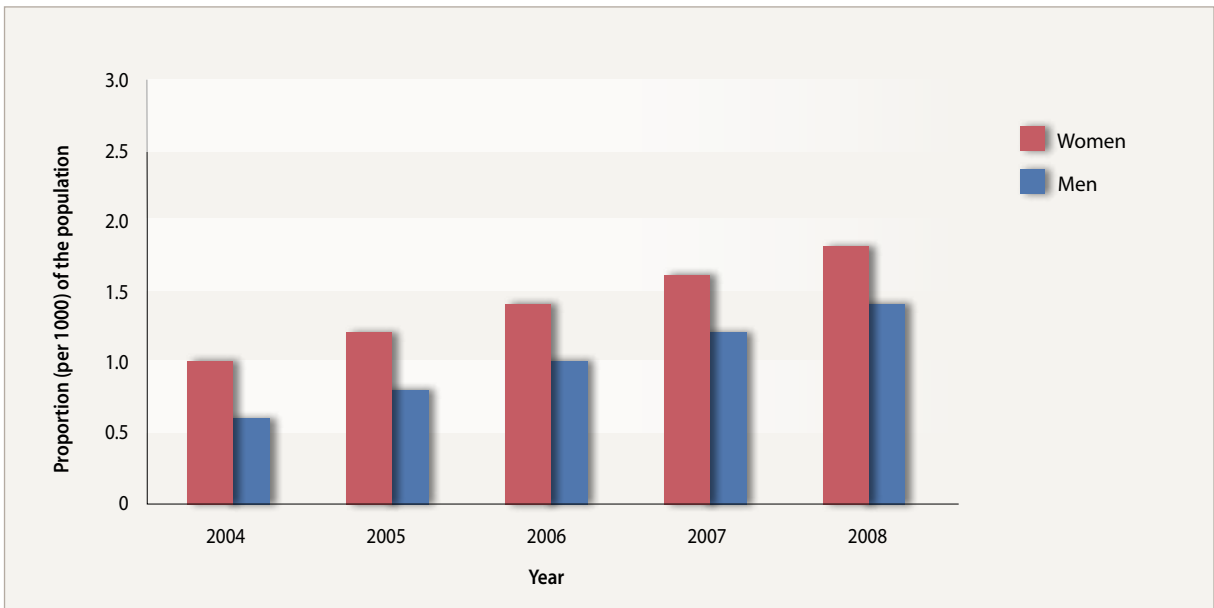


Figure 2.7.1: One year prevalence (per 1000) of TNF- α inhibitors prescriptions in Norway in men and women for the period 2004–2008.

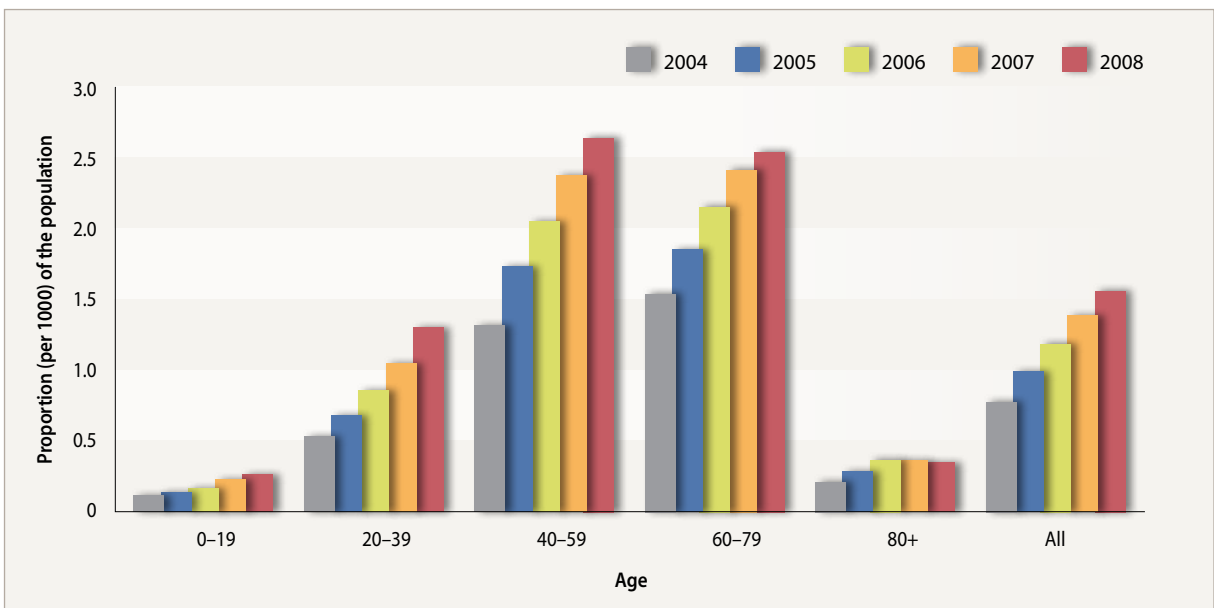


Figure 2.7.2: One year prevalence (per 1000) of TNF- α inhibitors prescriptions in Norway according to age for the period 2004–2008.

2.8 Bruk av hjerte/kar-midler og statiner

Totalt 915 220 individer fikk ekspedert minst en resept på et hjerte/kar legemiddel (ATC-gruppe C) i 2008. Dette tilsvarer en ettårsprevalens i befolkningen på 19,2 %. Ettårsprevalens fordelt på alder og kjønn er vist i figur 2.8.1. Prevalensen øker med alderen hos både kvinner og menn. I aldersgruppen 14–39 år ligger prevalensen noe høyere hos kvinner enn menn. Dette kan kanskje relateres til at noen kvinner bruker legemidler innenfor denne gruppen til behandling av svangerskaphypertensjon. Fra 40 års alder er prevalensen høyest hos menn.

Totalt er 40 % av individene som bruker hjerte/kar midler 70 år eller eldre og 85 % er over 50 år.

Antall individer som fikk ekspedert minst en resept på et hjerte/kar middel har økt gradvis fra 2004 til 2008. Utviklingstrekkene innenfor de ulike legemiddelgruppene av hjerte/karmidler er de samme som rapportert for tidligere år (1).

Norge er på topp i europeisk sammenheng når det gjelder bruk av statiner. Totalt fikk 420 868 individer (9 % av befolkningen) ekspedert minst en resept på et statin i 2008, en økning på 25 000 individer fra 2007. Figur 2.8.2 viser ettårsprevalens for statiner i 2008 fordelt på kjønn og 5 års aldersgrupper. Prevalens

2.8 Use of cardiovascular drugs and statins

Overall, 915 220 individuals had at least one prescription dispensed for a cardiovascular drug (ATC group C) in 2008. This corresponds to a one-year prevalence in the population of 19.2%. The one-year prevalence according to age and gender is shown in figure 2.8.1. The prevalence is increasing with age among both women and men. In the age 14–39 years the prevalence is slightly higher among women than men. This could be related to treatment of hypertension during pregnancy in some women. From 40 years of age the prevalence is highest among men.

Of the total number of individuals on cardiovascular drugs, 40% are 70 years or older and 85% are over 50 years old.

The number of individuals who had at least one cardiovascular prescription dispensed has increased gradually from 2004 to 2008. The trends for the various subgroups in ATC group C are similar to the changes reported earlier (1).

Norway has a higher use of statins compared to most European countries. Overall, 420 868 individuals (9% of the population) had at least one statin prescription in 2008, an increase of 25 000 individuals from 2007. Figure 2.8.2 shows one-year prevalence of statin use in

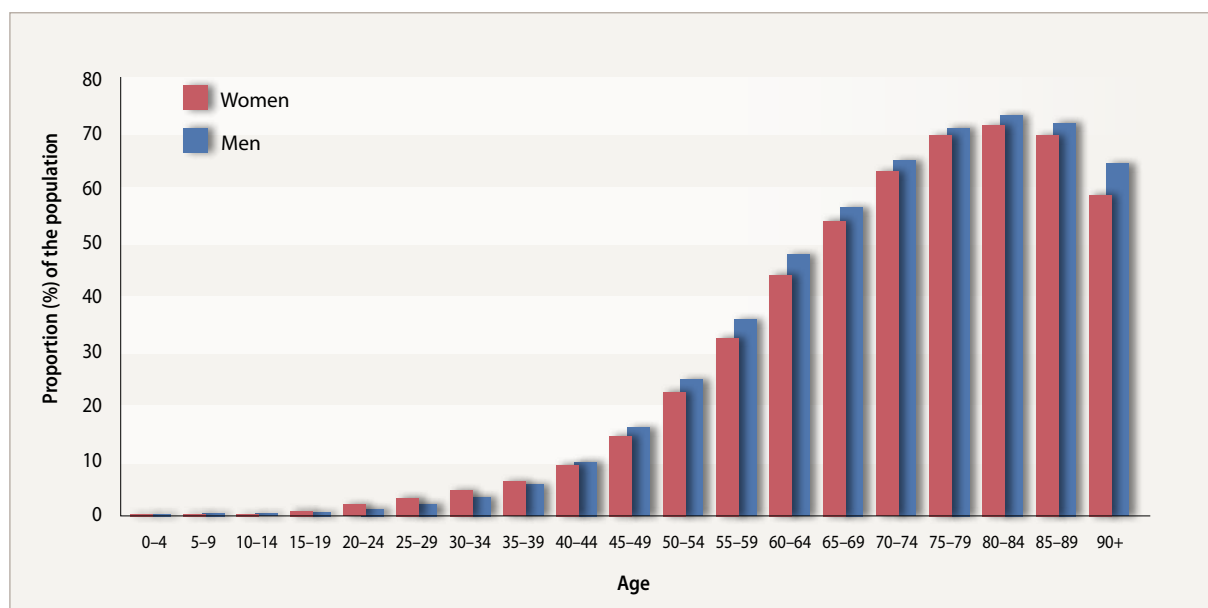


Figure 2.8.1: One-year prevalence (%) of cardiovascular prescriptions (ATC group C) in 2008 in Norway according to age and gender.

av statinbruk er høyere hos menn enn kvinner i alle aldersgrupper. Andelen som bruker statiner øker med alderen hos begge kjønn. Data fra Reseptregisteret viser at over 70 % av statinbrukerne også har fått ekspedert minst ett annet hjerte/kar middel (ATC-gruppe C) (3).

Det var totalt 60 000 nye brukere av statiner i 2008 og over 90 % av disse fikk simvastatin. Nye brukere er definert ved at de ikke fikk ekspedert en statinresept i 2007.

82 % av individene som fikk ekspedert en statinresept i 2004, fikk også statiner i 2008. Bivirkninger kan bidra til at noen slutter med statiner. I tillegg er det ikke justert for at noen personer er døde eller har emigrert i perioden.

Innføring av nye prisreguleringer og refusjonsendringer har gitt en kostnadsreduksjon innenfor hjerte/karmidler de siste 5 årene (2). Blant annet ble simvastatin innført som førstevalg ved behandling av hyperkolesterolemi i juni 2005. Dette medførte at de som brukte andre statiner måtte bytte til simvastatin, dersom ikke tungtveiende medisinske årsaker tilsa at forskrivning av andre statiner var nødvendig. Tall fra Reseptregisteret viser at 39 % av atorvastatinbrukerne byttet til simvastatin i 13 måneders perioden etter innføring av ny refusjonsordning (2–4). Etter at simvastatin ble førstevalg har det vært en kraftig økning i

2008 according to age and gender. The prevalence of statin use is higher among men than women in all age groups. The proportion of statin use increases with age in both genders. Data from NorPD show that over 70% of the statin users also use other cardiovascular drugs (ATC group C) (3).

There were a total of 60 000 new users of statins in 2008 and over 90% of these received simvastatin. New users were defined as those individuals who had no statin prescriptions dispensed in 2007.

82% of the individuals who used statins in 2004 also had a statin prescription dispensed in 2008. Adverse events could be one reason why some individuals discontinue statin treatment. This figure is, however, not adjusted for individuals who died or emigrated during this period.

Introduction of new price and reimbursement regulations for some of the cardiovascular drugs has resulted in reduced costs in the latest 5 year period (2). When simvastatin became the drug of choice in June 2005, many atorvastatin users had to switch to simvastatin unless there were solid medical reasons for continuing treatment with atorvastatin. Figures from NorPD show that 39% of the atorvastatin users were switched to simvastatin in the 13-month period after introduction of this new regulation (2–4). The number of simvastatin users has increased significantly, while the numbers of

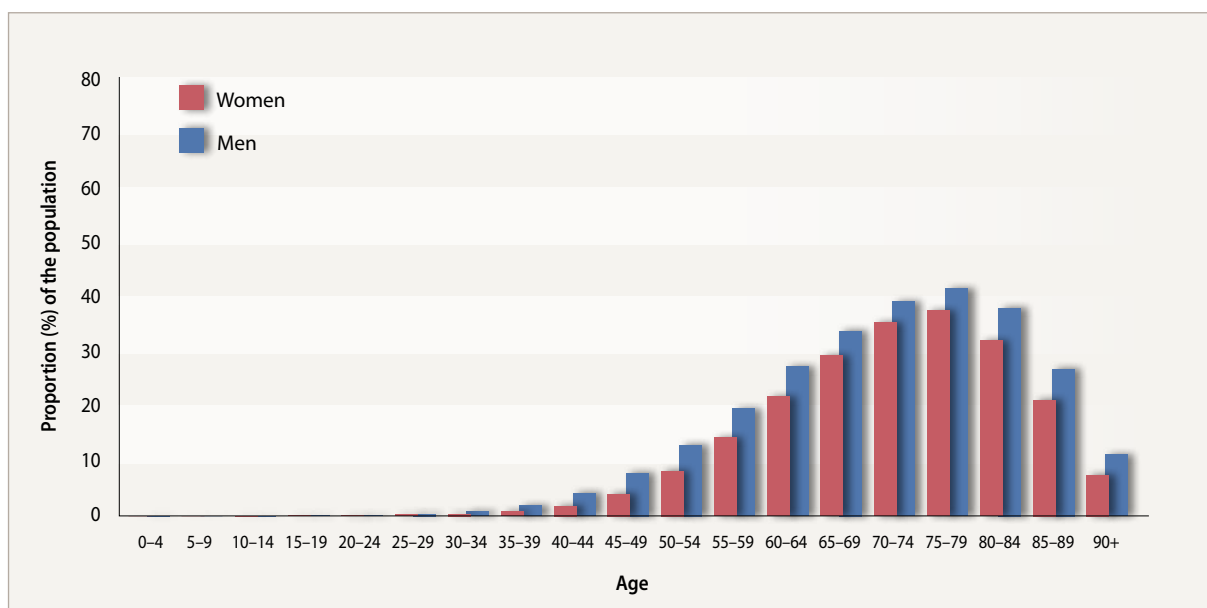


Figure 2.8.2: One-year prevalence (%) of statin prescriptions (C10AA) in 2008 in Norway according to age and gender.

antall individer som bruker simvastatin mens antall atorvastatin og pravastatin brukere har gått ned (se tabell 3.6 side 80). Simvastatin brukere utgjorde 80 % av alle statinbrukere i 2008. Antall individer som har fått utlevert minst en resept på simvastatin er tredoblet fra 122 206 individer i 2004 til 347 266 i 2008.

Med den kraftige økningen i antall simvastatinbrukere er det viktig å være oppmerksom på at det potensielt kan oppstå interaksjoner med andre legemidler som kan påvirke nedbrytningen av simvastatin (gjelder legemidler som hemmer enzymet CYP3A4). Sammenlignet med atorvastatin, er simvastatin og lovastatin mer utsatt for økning av serumkonsentrasjonen ved hemming av CYP3A4. Forhøyede serumkonsentrasjoner kan gi potensielt alvorlige legemiddelbivirkninger, men disse kan unngås ved riktig håndtering. Fluvastatin og pravastatin brytes ikke ned via CYP3A4. En studie som er utført med data fra Reseptregisteret viser at antall personer som får forskrevet andre legemidler som kan påvirke serumkonsentrasjonen av simvastatin, har økt parallelt med antall simvastatinbrukere (5).

I juli 2007 ble de laveste tablettstyrkene av atorvastatin (10 mg og 20 mg) tatt ut av blåreseptordningen og dette har ytterligere bidratt til en overgang fra atorvastatin til simvastatin. Totalt utgjorde tablettstyrkene 40 mg og 80 mg 80 % av totalt antall solgte pakninger av atorvastatin i 2008.

En studie fra Folkehelseinstituttet har sett på bruk av statiner innen ulike utdanningsgrupper (6). Studien er basert på data fra store befolkningsundersøkelser i 2000–2002 som er koblet mot Reseptregisteret og sosioøkonomiske data fra Folke- og boligtellingerne i SSB. Bare personer som sa at de ikke brukte statiner ved undersøkelsen, ble inkludert i studien. Disse er fulgt opp for å undersøke senere statinforskrivning ved bruk av data fra Reseptregisteret. Resultatene fra denne studien viser at blant personer uten kjent hjerte/karsykdom eller diabetes, fikk personer med lav utdanning oftere forskrevet statiner enn personer med høy utdanning. Dette kunne i sin helhet forklares ved at personer med lav utdanning hadde en mer ugunstig risikoprofil, slik som høyere blodtrykk, høyere kolesterol og flere røykere enn de høyt utdannede. Etter justering for risikofaktorene var det ingen forskjell mellom utdanningsgruppene. Blant personer med kjent hjerte/karsykdom eller diabetes var det en tendens til at spesielt høyt utdannede kvinner i større grad fikk statiner enn lavt utdannede når man hadde justert for forskjeller i risikofaktorene.

Koblingen mellom befolkningsundersøkelsene og Reseptregisteret har også blitt brukt til å studere om

atorvastatin and pravastatin users has decreased as a result of this regulation (see table 3.6 page 80). Simvastatin accounted for 80% of the statin users in 2008. The number of simvastatin users has tripled from 122 206 individuals in 2004 to 347 266 in 2008.

With the increasing number of simvastatin users, it is important to note that co-medication with drugs that inhibit the metabolism of simvastatin (cytochrome P-450 3A4 inhibitors) could induce elevated serum concentrations of the statin. Compared to atorvastatin, simvastatin and lovastatin are more sensitive to inhibition of CYP3A4. Elevated serum concentrations could induce potentially serious adverse events but these drug-drug interactions can be avoided by proper drug management. Fluvastatin and pravastatin are not metabolised by CYP3A4. A study based on data from NorPD showed that the number of individuals who are prescribed drugs that inhibit CYP3A4 and simvastatin have increased in parallel with the increasing number of simvastatin users (5).

In July 2007, the lowest tablet strengths of atorvastatin (10 mg and 20 mg) were excluded from the general reimbursement system in Norway which has further contributed to a switch from atorvastatin to simvastatin. The 40 mg and 80 mg tablet strengths of atorvastatin accounted for 80% of the total sales of number of packages of atorvastatin in 2008.

The Norwegian Institute of Public Health has studied the use of statins according to levels of education (6). The study was based on data from large health surveys in 2000-2002 with record linkage to NorPD and socioeconomic data from the Census registered by Statistics Norway. Only the people who reported no use of statins during the health surveys were included in the study. This population was followed to study prospective statin use by using statin prescription data from NorPD as outcome measures. The results from this study show that among persons with no history of cardiovascular diseases (CVD) or diabetes the population with lower education had a higher probability of being prescribed statins than those with higher education. This difference could be entirely explained by the fact that people with lower education had an overall higher risk profile, such as higher blood pressure, higher cholesterol levels and more smokers than the higher educated population. After adjustment for risk factors, there was no difference between different levels of education. There was a tendency to a higher probability of statin treatment among higher educated people compared with people with a lower education level in the group with a history of CVD or diabetes, after adjustment for other risk factors, particularly in women.

pasientkarakteristika og sosiodemografiske faktorer har hatt noen innvirkning på valg av statin og bytte fra atorvastatin til simvastatin før og etter innføring av de nye refusjonsreglene (7). Resultatene viste at langtids bruk av statiner, kjent hjerte/karsykdom og høyt kolesterol reduserte sjansen for å bytte fra atorvastatin til simvastatin. Andre faktorer hadde liten betydning.

Etter at legemidlet ezetimib ble tatt opp i blåreseptordningen 1. august 2007 for behandling av hyperkolesterolemi hos spesifikke pasientgrupper, har antall brukere økt kraftig (se tabell 3.6 s. 81). Ezetimib hemmer opptak av kolesterol og har en annen virkningsmekanisme enn statiner.

Data from the health surveys linked to the NorPD have also been used to study whether patient characteristics and sociodemographic factors have influenced the choice of statin and the switching from atorvastatin to simvastatin after the implementation of the new reimbursement regulations (7). Long term use of statins, CVD and high cholesterol levels at screening reduced the probability of switching from atorvastatin to simvastatin. Other patient characteristics had little influence on the choice of statin and switching from atorvastatin to simvastatin.

Ezetimibe was included in the general reimbursement list from 1st August 2007 for treatment of hypercholesterolemia in specific patients, and as a result of this the number of users increased (see table 3.6 p. 81). Ezetimibe inhibits cholesterol absorption and has a different mode of action than statins.

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2.9 Bruk av østrogener i overgangs- alderen

Det er stor variasjon blant kvinner når det gjelder graden av ubehag i forbindelse med overgangs-
alderen. Mange kvinner har lite plager og vil ikke ha
behov for tilskudd av østrogener. Hormonbehandling
av kvinner i forbindelse med overgangsalderen var
på 1990-tallet relativt vanlig. Substitusjonsbehand-
ling med østrogen alene eller i kombinasjon med
gestagen ble benyttet mot vasomotoriske symp-
tomer (feks hetetokter), urogenitale plager og som
forebygging/behandling av osteoporose. Det ble
også diskutert om hormonbehandling beskytter mot
koronar hjertesykdom. Fra 1993 til 1998 økte salget
av østrogenholdige legemidler (ATC-gruppe G03C og
G03F) i Norge, målt i DDD, til nær det dobbelte (1).
Antall kvinner som fikk behandling med østrogener,
ble anslått til rundt 200 000 og var uendret i treårs-
perioden 1999–2001 (2).

Sommeren 2002 ble det publisert randomiserte
studier som satte søkelyset på bruken av østrogener
i overgangsalderen; HERS II-studiene og WHI-studien
(3–5). Resultatene indikerte at kvinner som var
behandlet med østrogener pluss gestagen, har en
klart økt risiko for venøs tromboseemboli og økt risiko
for brystkreft, men redusert sjanse for osteoporose,
endometriekreft og colonkreft. Studiene konklud-
erte også med at østrogenbehandling ikke gir noen
beskyttende effekt mot koronarsykdom. Basert på
disse studiene ble det reist spørsmål om bruken av

2.9 Estrogens used during the menopause

There is wide variation among women in terms of the
degree of discomfort in connection with the meno-
pause. Many women have minor postmenopausal
symptoms and will not need estrogen supplements.
Hormone replacement therapy for menopausal
women was relatively common in the 1990s. Replace-
ment therapy with estrogens alone or in combination
with progestogens was used against vasomotoric
symptoms (e.g. hot flashes), urogenital complaints
and prevention/treatment of osteoporosis. The role
of hormone replacement therapy in the prevention
of heart disease was also discussed. There has been
a nearly twofold increase in sales of estrogens (ATC
group G03C and G03F) in Norway from 1993 to 1998
measured in DDDs (1). The number of women who
received estrogen treatment was estimated to be
approximately 200 000, and was unchanged in the
three-year period 1999–2001 (2).

In the summer of 2002 randomized studies were
published focusing on the use of estrogens during the
menopause; the HERS II studies and the WHI-study
(3–5). The results indicated that women who were
treated with estrogens and progestogens in combina-
tion have a clearly increased risk of venous throm-
boembolism and increased risk of breast cancer, but a
reduced risk of osteoporosis, endometrial cancer and
colon cancer. The studies also concluded that treat-
ment with estrogens does not provide any protective

Table 2.9.1: Hormone replacement therapy – products available in Norway in 2008.

| Systemic / local use | ATC code – Active ingredient | Trade names |
|--|---|--|
| <i>Plain estrogen formulations</i> | | |
| Systemic | G03CA03 estradiol | Progynova® tablets Transdermal patch: Climara®, Estradot® and Evorel® |
| Systemic | G03CA04 estriol | Ovesterin® tablets |
| Systemic | G03CX01 tibolone | Livial® tablets |
| Local | G03CA03 estradiol | Vagifem® vaginal tablets |
| Local | G03CA04 estriol | Ovesterin® vaginal tablets and cream |
| <i>Progestogens and estrogens in combination (fixed or sequential formulation)</i> | | |
| Systemic | G03FA01 norethisterone and estradiol | Tablets: ActiVelle® and Kliogest® Trandermal patch: Estralis® |
| Systemic | G03FA12 medroxyprogesterone and estradiol | Indivina® tablets |
| Systemic | G03FA15 dienogest and estradiol | Climodien® tablets |
| Systemic | G03FB05 norethisterone and estradiol | Tablets: Novofem®, Trisekvens® Trandermal patch: Estralis sekens® and Sequidot® |

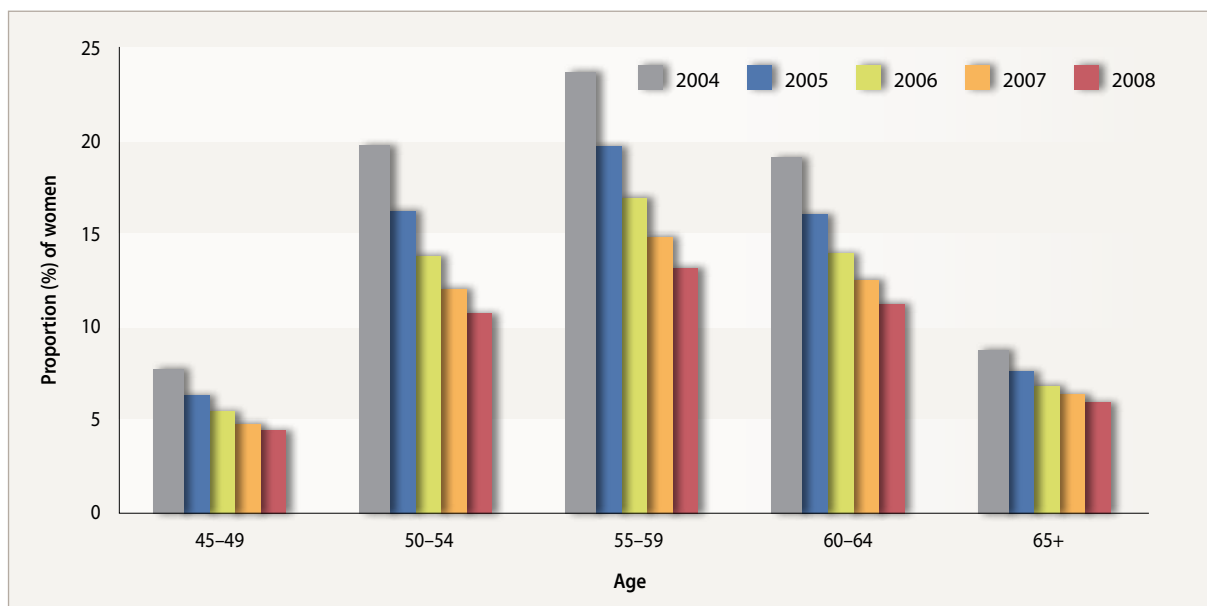


Figure 2.9.1: One-year prevalence (%) of prescriptions of systemic hormone replacement therapy (ATC group G03C and G03F) for women in Norway according to age in the period 2004–2008.¹⁾

¹⁾ Vaginal tablets/cream and vaginal ring are excluded

østrogener som forebyggende behandling. Dette har igjen gitt reviderte anbefalinger for hormonbehandling av postmenopausale kvinner (6). Østrogener er blant annet ikke lenger anbefalt som førstevalg ved forebyggende behandling av osteoporose (7).

Tilgjengelig behandling for plager som hetetokter og urogenitalt besvær, er substitusjonsbehandling med østrogen alene eller i kombinasjon med gestagen. Tabell 2.9.1 gir en oversikt over slike legemidler med markedsføringstillatelse i Norge i 2008. Systemisk behandling omfatter alle tabletter og transdermale plastre med innhold av østrogen (østradiol, østriol eller tibolon). Østradiol vagitorier og østriol vagitorier/krem er definert som lokal behandling.

Totaltall hentet fra Grossistbasert legemiddelstatistikk viser en kraftig nedgang fra 2002 i forbruket av østrogener alene eller i kombinasjon med gestagener (1). Størst nedgang, målt i doser (DDD), er det i salg av sammensatte preparater (G03F), der nedgangen har vært på over 70 % i perioden 2002–2008. Salget av østrogener alene (G03C) har i samme periode sunket med nær 20 %.

Data fra Reseptregisteret bekrefter at forskrivning av østrogener til kvinner med postmenopausale symptomer har gått ned fra 2004 til 2008. Fra 2004 har antall kvinner som får østrogen i kombinasjon med gestagen (G03F) sunket med 40 %. Nær 50 000 kvinner fikk denne type legemiddel i 2008. 110 000 kvinner

effect against coronary heart disease. Based on these studies, questions were raised concerning the use of estrogens as a preventive treatment. Revised recommendations have been issued for hormonal replacement therapy of postmenopausal women (6). Further, estrogens are no longer recommended as first choice for prophylaxis of osteoporosis (7).

Postmenopausal symptoms such as hot flashes and urogenital complaints are treated with plain estrogen or combined with progestogens. Table 2.9.1 gives an overview of these medicines with marketing authorization in Norway in 2008. Products for systemic use include tablets and transdermal patches with the content of estrogen (estradiol, estriol or tibolone). Estradiol vaginal tablets and estriol vaginal tablets/cream are defined as products for local use.

Data from the Norwegian Wholesale Drug Statistics show a sharp decline in the consumption of plain estrogens/combinations with progestogens from 2002 (1). The largest decrease, measured in DDDs, is in sales of combination products (G03F), where the decline has been over 70% in the period 2002–2008. The sales of plain estrogens (G03C) dropped by almost 20% in the same period.

Data from the Norwegian Prescription Database (NorPD) confirms that prescribing of estrogens to women with postmenopausal symptoms has decreased from 2004 to 2008. From 2004, the number of women

fikk i 2008 utlevert preparater med kun østrogen (G03C), og dette er en økning på 13 % fra 2004. Det er først og fremst lokalbehandling med østradiol (G03CA03) som har økt, mens bruken av det lavpotente østrogenet, østriol (G03CA04), har gått ned (se tabell 3.8 s. 89). I 2008 fikk over 60 000 kvinner utlevert østradiol vagitorier; en vekst på 117 % i forhold til 2004. Østriol vagitorier/krem selges også reseptfritt, og totalt antall brukere kan derfor ikke hentes fra Reseptregisteret.

Figur 2.9.1 viser utviklingen i bruk av systemisk behandling i ulike aldersgrupper de fem siste årene. Blant kvinner over 45 år var det totalt 83 000 som fikk hormonsubstitusjonsterapi i form av systemisk behandling i 2008. Antall kvinner har gått ned i alle aldersgrupper fra 2004. Størst reduksjon vises i aldersgruppene 50–54 og 55–59 år, der antall kvinner som fikk slike legemidler, sank fra henholdsvis 30 000 og 35 000 til 16 000 og 19 000. Nedgangen synes å ha flatet noe ut i 2008 i alle aldersgrupper. Data fra Reseptregisteret viser at blant kvinner over 45 år har totalt antall nye brukere per år vært stabilt de siste fire årene på rundt 12 000 kvinner. Totalprevalensen for kvinner som får tabletter/plaster med østrogen alene eller i kombinasjon med gestagen synker. Dette betyr at flere avslutter behandlingen og kan ha sammenheng med anbefalinger om redusert varighet av behandlingen; alternativt at flere kvinner slutter å ta østrogener som følge av en vurdering av nytte og risiko.

who received oestrogens and progestogens in combination (G03F) decreased by 40%. Nearly 50 000 women were dispensed this type of medicinal product in 2008. 110 000 women received plain estrogens (G03C) in 2008, an increase of 13% from 2004. It is first and foremost estradiol (G03CA03) for local use that has increased, while the use of the low potent estrogen, estriol (G03CA04) has decreased (see Table 3.8 p. 89). Over 60 000 women received estradiol vaginal tablets in 2008; a growth of 117% compared to 2004. Estriol vaginal tablets and cream are OTC drugs; thus the total number of users can not be retrieved from the NorPD.

Figure 2.9.1 shows the trend in the use of systemic treatment in different age groups in the last five years. A total of 83 000 women over 45 years of age received systemic hormonal replacement therapy in 2008. The number of women treated has declined in all age groups from 2004. The largest reduction is shown in the age groups 50–54 and 55–59 years, where the number of women who received such drugs decreased from 30 000 and 35 000 to 16 000 and 19 000 respectively. The decline seems to have stabilized somewhat in 2008 in all age groups. Data from the NorPD shows that among women over 45 years, the total number of new users per year remained stable over the past four years at around 12 000 women. The total prevalence of women receiving tablets/patches with plain estrogens or in combination with progestogens is decreasing. This means that more women are ceasing treatment which can be linked to recommendations for reduced treatment duration; alternatively, more women may stop taking estrogens as a result of an assessment of benefit and risk.

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2.10 Bruk av protonpumpehemmere ved spiserørsbetennelse etter innføringen av nye refusjonsregler

Protonpumpehemmere (PPI, ATC-gruppe A02BC) er potente hemmere av magesyre (1). De brukes for en rekke syrerelaterte sykdommer, spesielt spiserørsbetennelse (2).

Tall fra Grossistbasert legemiddelstatistikk viser at salget av protonpumpehemmere har hatt en årlig økning på i overkant av 10 % målt i DDD over en tiårsperiode (3).

Protonpumpehemmere blir refundert på blå resept til pasienter som behandles for endoskopisk bekreftet spiserørsbetennelse. Figur 2.10.1 viser ettårsprevalensen for forskrivning av protonpumpehemmere på blå resept for menn og kvinner fra 2004 til 2008. Prevalensen økte med 36 % for menn og 41 % kvinner i denne perioden.

2.10 The use of proton pump inhibitors after implementation of new reimbursement regulations

Proton pump inhibitors (PPIs, ATC group A02BC) are potent inhibitors of gastric acid secretion (1). They are used for a variety of acid-related gastrointestinal tract disorders, especially gastroesophageal reflux disease (GORD) (2).

According to the Norwegian Wholesale Drug Statistics, sales of PPIs have increased by approximately 10% annually measured in DDDs during the last decade (3).

PPIs prescriptions are reimbursed for treatment of endoscopically verified GORD. Figure 2.10.1 shows the increase in the one-year prevalence of use of reimbursed PPIs in men and women from 2004–2008. The prevalence has increased by 36% in men and 41% in women this period.

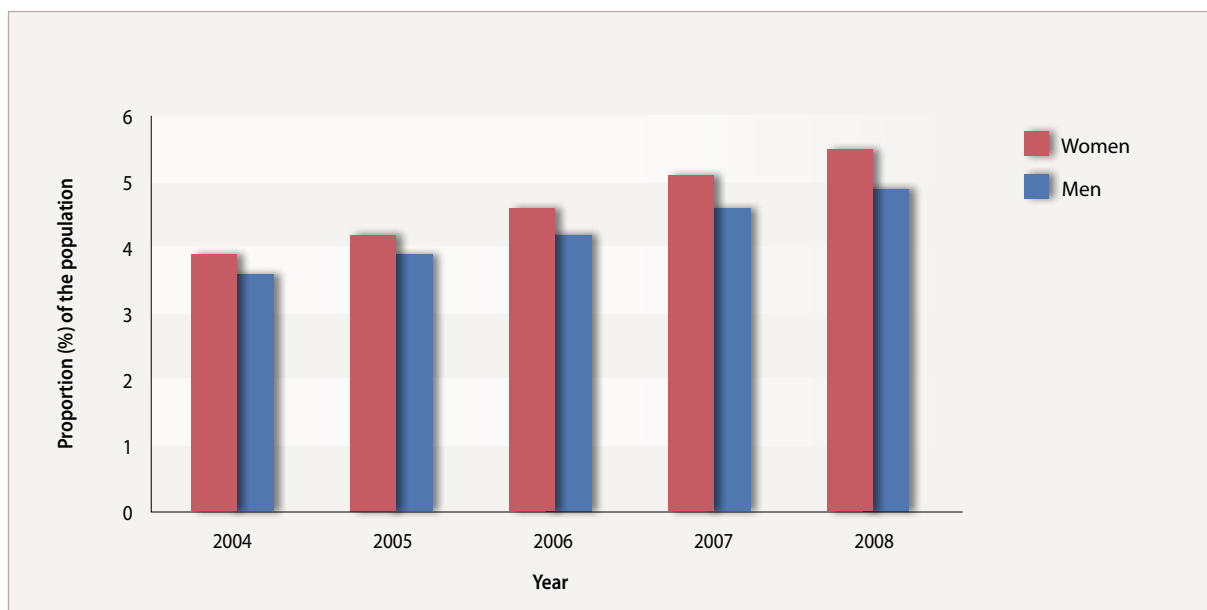


Figure 2.10.1: One year prevalence (%) of PPI reimbursement prescriptions according to gender 2004–2008.

Esomeprazol som den dyreste protonpumpehemmeren, hadde en stadig økende andel av det totale salget fram til 2006, noe som resulterte i økte kostnader. For å redusere kostnader ble nye refusjonsregler for protonpumpehemmere innført i februar 2007. Ifølge de nye reglene er omeprazol, pantoprazol og lansoprazol foretrukne legemidler, mens esomeprazol kun skal forskrives til pasienter som av medisinske

Esomeprazole, the most expensive PPI, had an increasing proportion of the total sales of PPIs resulting in increased costs. To reduce costs, new reimbursement regulations for PPIs were implemented in February 2007. According to the new regulations, omeprazole, pantoprazole and lansoprazole are the drugs of choice, while esomeprazole should be reserved for individuals who, based on solid medical

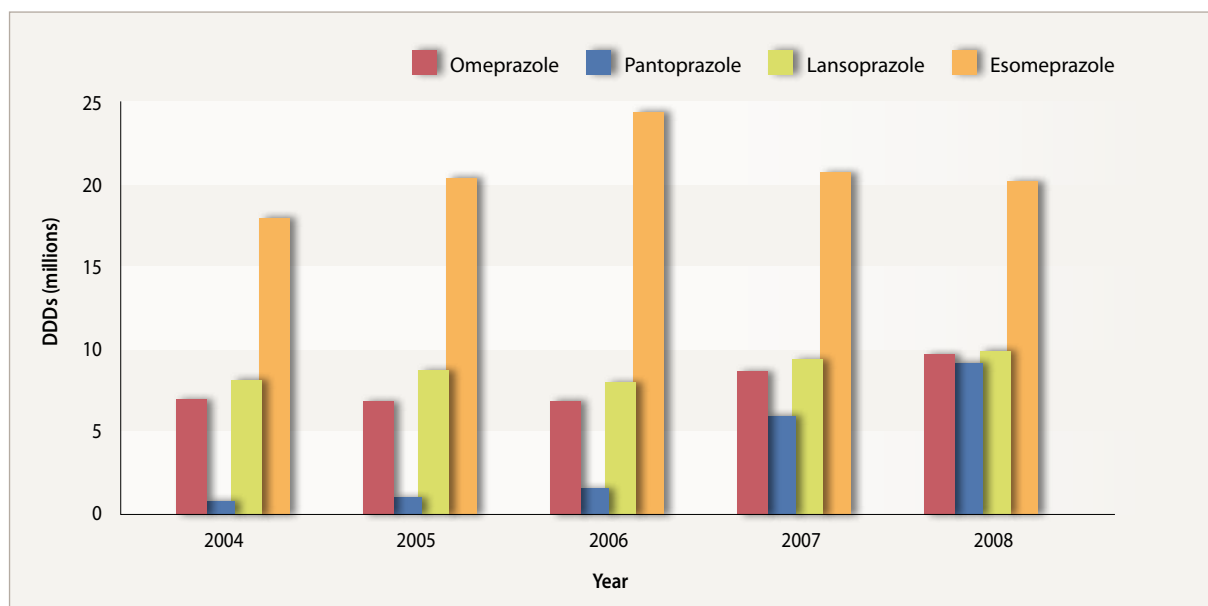


Figure 2.10.2: Number of DDDs (millions) dispensed according to reimbursement prescriptions of proton pump inhibitors 2004–2008.

grunner ikke kan bruke andre protonpumpehemmerne. Figur 2.10.2 viser utviklingen i antall DDD utlevert etter blåresept fra 2004 til 2008.

Antallet utleverte DDD for esomeprazole økte gradvis fram til 2006, mens en beskjeden nedgang er observert etter innføringen av de nye refusjonsreglene. Blant de foretrukne legemidler har pantoprazol hatt den største økningen målt i DDD (figur 2.10.2).

Tabell 2.10.1 viser antall nye brukere av protonpumpehemmere i 2006, året før endring i refusjonsreglene og i 2008, året etter gjennomføring. Nye brukere er definert som individer som ikke hadde fått utlevert en protonpumpehemmer foregående år. Et lite antall nye brukere kan ha fått mer enn en type protonpumpehemmere i løpet av året. Tabellen viser at det har vært en betydelig økning i nye brukere av pantoprazol i 2008 sammenlignet med 2006, mens det har vært en sterk nedgang i antall nye brukere av esomeprazol.

Reseptregisteret viser at en økende andel av befolkningen bruker protonpumpehemmere. Endringen i refusjonsreglene har ført til en relativt liten reduksjon i antall DDD utlevert av esomeprazol, mens antall nye brukere av esomeprazole har hatt en markant reduksjon. Det har vært en overgang til foretrukne legemidler, men dette er mindre uttalt enn for andre grupper hvor ordningen med foretrukket legemiddel er innført, for eksempel statiner (4). Nye brukere av protonpumpehemmere får de foretrukne legemid-

reasons, cannot use other PPIs. Figure 2.10.2 shows the development of the number of DDDs reimbursed from 2004 to 2008.

The number of DDDs for esomeprazole increased gradually up to 2006, while a modest decrease is observed after the implementation of the new regulations. Among the drugs of choice, the highest increase in number of DDDs is observed for pantoprazole.

Table 2.10.1 shows the number of new users of PPIs in 2006, the year before the change in regulations and in 2008, the year after the implementation. New users were defined as those individuals who had no PPI prescriptions dispensed the year before. It should be noted that a small number of new users may have had more than one type of PPI dispensed during one year. Table 2.10.1 shows that there has been a significant increase in new users of pantoprazole in 2008 compared to 2006, while there has been a significant decrease in number of new users of esomeprazole.

Data from NorPD show that the total prevalence of PPI prescribing is increasing. The change in regulations has led to a slight decrease in use of esomeprazole measured in DDDs. The number of new users of esomeprazole has had a pronounced reduction. There has been a shift to the drugs of choice, but this is less pronounced than observed for other groups covered by similar regulations, e.g. the statins (4). The switch from esomeprazole to the drugs of choice in preva-

Table 2.10.1: Number of new users of the PPIs the year before (2006) and after (2008) new reimbursement regulations.

| Active ingredient | Number of new users 2006 | Number of new users 2008 |
|-------------------|--------------------------|--------------------------|
| Omeprazole | 4 618 | 7 725 |
| Pantoprazole | 4 557 | 20 548 |
| Lansoprazole | 5 762 | 8 580 |
| Esomeprazole | 29 563 | 12 776 |

lene. Overgangen fra esomeprazol til foretrukne legemidler hos de som før har brukt protonpumpehemmere er trolig begrenset, siden det totale antall DDD utlevert av esomeprazol på blåresept bare har hatt en beskjeden reduksjon.

lent users is probably limited, as seen in the limited reduction in the total number of esomeprazole DDDs reimbursed.

Referanser/References:

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Del 3 Part 3

3. Reseptregisteret 2004–2008 – Hovedtabeller

3.1 Beskrivelse av tabellene

Tabellene i del 3 gir en oversikt over antall individer som har fått utlevert legemidler etter resept i apotek i Norge. Alle som har hentet ut minst ett legemiddel er inkludert og opplysningene er fordelt på enkeltlegemidler og legemiddelgrupper. Selv om et individ har fått utlevert samme legemiddel flere ganger, telles vedkommende som bruker bare én gang. Det er kun utleveringer til individer med fullt fødselsnummer som er inkludert i tabellene i boken. I Reseptregisteret er 1,4 % av utleveringene til individer hvor fullstendig fødselsnummer ikke er angitt i 2008 (se også s. 22).

Tabellene inneholder tall for perioden 2004–2008. I tillegg er følgende opplysninger for 2008 inkludert:

- Andel kvinner (%) av totalt antall individer som har hentet ut minst én resept
- Antall individer som har hentet ut minst ett legemiddel etter resept fordelt på følgende aldersgrupper: <15, 15–44, 45–69, ≥70
- Salg i kroner fra apotek for utvalget i tabellen, dvs til individer med fullt fødselsnummer. Kronebeløpet tilsvarer reell utsalgspris fra apotek.

Tabellene er sortert i henhold til ATC-systemet (se nærmere beskrivelse på s. 17). De aller fleste ATC-grupper med legemidler på det norske markedet er inkludert. Legemidler til inneliggende pasienter i sykehus eller sykehjem er ikke tilgjengelig på individnivå i Reseptregisteret. Det totale antall legemiddelbrukere vil derfor være høyere enn det som fremgår av tabellene for en del legemidler, og spesielt for legemidler som brukes mye i sykehus. Vi har valgt å utelate noen ATC-grupper. Dette er legemidler som hovedsaklig brukes i sykehus eller institusjoner.

3. The Norwegian Prescription Database 2004–2008 – Main tables

3.1 Description of the tables

The tables in Section 3 provide an overview of the number of individuals who have had prescriptions dispensed from pharmacies in Norway. Anyone who has had at least one prescription dispensed is included and the data are given for individual medicinal substances and for groups of medicines. Even if an individual has been given the same medicine several times, he or she is counted as one user. Only dispensing data to individuals with a personal identification number are included in the tables. In NorPD the complete personal identification number is missing for 1.4% of the dispensed medicines in 2008 (see also p. 22).

The tables contain figures for the period 2004–2008. In addition, the following information for 2008 includes:

- Share of women (%) of the total number of individuals who had at least one prescription dispensed
- The number of individuals who had at least one prescription dispensed in the following age groups: <15, 15–44, 45–69, ≥70
- Sales in Norwegian kroner (NOK), i.e. prescriptions dispensed to individuals with personal identification number. The amount in NOK corresponds to the actual retail price from the pharmacy.

The tables are arranged according to the ATC system (see further description in p. 17). The majority of ATC groups containing drugs on the Norwegian market are included. Medicine use by individuals in hospitals and nursing homes is not included at the individual level in the Norwegian Prescription Database. The total number of medicine users will therefore be higher than the figures in the tables for a number of drugs, particularly for drugs that are frequently used in hospitals or institutions. We have excluded some ATC groups in this book that are mainly used in hospitals or institutions.

Følgende ATC-grupper er utelatt:

- B05 Blodsubstitutter og infeksjonsløsninger
- B06 Andre hematologiske midler
- J06 Immunsæra og immunoglobuliner
- J07 Vaksiner
- L01 Antineoplastiske midler
- M03A Perifert virkende muskelrelaxerende midler
- N01 Anestetika
- S01H Lokalanestetika
- S01J Diagnostika
- S01L Midler ved okulær vaskulær sykdom
- V Varia (kun ATC-gruppe V01 *Allergener* er inkludert i tabellen)

Reseptfrie legemidler skrives i noen tilfeller også ut på resept, men i hovedsak vil salg av reseptfrie legemidler ikke være inkludert i denne boken. Salg av reseptfrie legemidler, både i og utenom apotek, er med i den Grossistbaserte legemiddelstatistikken, hvor tallmaterialet blir publisert i publikasjonen Legemiddelforbruket i Norge (se også s. 16). I tabellene i del 3 i denne boken er det tatt med en fotnote tilknyttet de ulike ATC-kodene hvor det i tillegg også selges reseptfrie pakninger. I 2008 utgjorde reseptfrie legemidler en andel på 18 % av totalt antall solgte doser (DDD) mens de i kroner utgjorde rundt 12 %. Disse andelene har holdt seg relativt konstant over tid.

De fleste legemidler som forskrives på resept, har godkjent markedsføringstillatelse i Norge. Leger har imidlertid anledning til å forskrive legemidler uten markedsføringstillatelse. Det må da søkes om spesielt godkjenningss fritak fra Statens legemiddelverk. Det finnes også enkelte legemidler som inngår i en såkalt negativliste, og som bare kan utleveres etter spesiell tillatelse fra Legemiddelverket. Legemidler som er forskrevet på resept etter søknad om godkjenningss fritak eller etter spesiell tillatelse fra Legemiddelverket, er inkludert i tabellene i boken. Antall individer som behandles med disse legemidlene vil ofte være lavt. Dersom antall individer er lavere enn fem, angis <5 i tabellene.

Mange individer bruker flere legemidler. Vær derfor oppmerksom på at man ikke kan summere antall brukere av ulike legemidler, eller legemiddelgrupper i tabellene, for å finne totalt antall brukere av to eller flere legemidler. Statistikk på aggregert nivå i tabellene vil imidlertid inneholde brukere av minst ett av legemidlene i undernivåene. For eksempel viser tallene at totalt antall brukere av sovemidler (ATC-gruppe N05C) er lavere enn summen av antall brukere av de enkelte legemidlene som er klassifisert i N05C. Det betyr at noen individer har fått utlevert mer enn en type sovemiddel i løpet av et år, enten ved bruk av flere sovemidler samtidig eller ved bytte fra ett middel til et annet.

The following ATC groups are omitted:

- B05 Blood substitutes and perfusion solutions
- B06 Other hematological agents
- J06 Immune sera and immunoglobulins
- J07 Vaccines
- L01 Antineoplastic agents
- M03A Muscle relaxants, peripherally acting agents
- N01 Anesthetics
- S01H Local anesthetics
- S01J Diagnostic agents
- S01L Ocular vascular disorder agents
- V Various (only ATC group V01 Allergens is included in the table)

Non-prescription medicines are sometimes prescribed, but the majority of the OTC medicine sales will not be included in the tables in this book. Sales of OTC medicines are, however, included in the Norwegian Drug Wholesales Statistics database and the figures are published in "Drug Consumption in Norway" (see also page p. 16). A footnote is used in the tables in part 3 of this book in the various ATC codes where OTC medicines are available in Norway. In 2008, OTC medicines had a share of 18% of total sales measured in DDDs and about 12% of total costs in Norway. These shares have remained almost unchanged over time.

Most prescribed medicines have an approved marketing authorisation in Norway. However, physicians can prescribe drugs without approved marketing authorisation. They must then apply for a licence from the Norwegian Medicines Agency. There are also some medicines that are part of a so-called "negative list" which can only be prescribed by special permission from the Medicines Agency. Drugs that are prescribed on licence or by special permission are included in the tables in the book. The number of individuals who are prescribed these medicines is often low. If the number of individuals is less than five, <5 is used in the tables.

Many individuals use more than one medicine. Please be aware that the number of users of various drugs or drug groups in the tables cannot be added together to find the total number of users of two or more drugs. Statistics on the aggregate level in the tables will, however, include the use of at least one of the drugs in the included drug groups. For example, the figures in the tables show that the total number of users of hypnotics (ATC group N05C) is less than the sum of the number of users of the individual medicines classified in N05C. Some individuals have been given more than one type of hypnotic during a year, either through use of more than one simultaneous or by switching from one agent to another.

Reseptregisterets nettside og utlevering av data

Informasjon om antall brukere av et bestemt legemiddel eller legemiddelkategori, oppdelt etter kjønn, alder og geografi er tilgjengelig på nettet. Nettstedet er: www.norpd.no (engelsk versjon) eller www.reseptregisteret.no (norsk versjon). Data er tilgjengelige fra 2004 med en årlig oppdatering i mars/april for foregående år. Tallene i denne boken kan avvike ubetydelig fra tallene som finnes på nettsiden. Årsaken er at uttrekket av data til boken er gjort på et annet tidspunkt i 2009 enn datagrunnlaget for nettsiden. Rapporteringen av data fra apotek til Reseptregisteret er for en liten andel av reseptutleveringene forsinket. Forsinkelsen kan være på noen måneder, og dette innebærer at vi får rapportert noen data fra 2008 også i 2009. I tillegg er individer uten kjent bostedsadresse utelatt fra nettsiden, men inkludert i tabellene i denne rapporten.

Det er mulig å søke om data fra Reseptregisteret til forskning eller til andre formål som er i henhold til formålet for Reseptregisteret. Søknadsskjema er tilgjengelige på nettstedet til FHI (www.fhi.no), og alle søknader om tilgang til data fra FHI skal sendes til datatilgang@fhi.no. Dataene er gratis, men kostnader i forbindelse med administrativ håndtering og filbehandling må påregnes.

Beregning av prevalens per 1000 innbyggere

Prevalens er definert som antall individer som har fått utlevert ett legemiddel per 1000 innbyggere. Antall individer oppgitt i tabellene kan benyttes til å beregne prevalens av legemiddelbruken i befolkningen. Hvordan dette kan gjøres er vist i eksemplet nedenfor:

Antall individer som fikk minst ett hjerte/kar-middel (ATC-gruppe C) i Norge i 2008: 915 220

Antall innbyggere i Norge per 1. juli 2008: 4 768 077

Beregning av prevalens (per 1000) for brukere av hjerte/kar midler i Norge i 2008:

$$\frac{\text{Antall individer} \times 1000}{\text{Antall innbyggere}} = \frac{915\,220 \times 1000}{4\,768\,077} = \frac{192 \text{ individer}}{\text{per 1000 innbyggere}}$$

På s. 127 finnes tabeller over befolkningstallet i Norge for årene 2004–2008. Befolkningstallet for de fire aldersgruppene i tabellene er også angitt. Det brukes middelfolkemengden for hvert år, dvs folketallet per 1. juli, beregnet ut fra Statistisk Sentralbyrås folketall 1.1. og 31.12. Alder er definert som den alder individet har ved slutten av året (utleveringsår minus fødselsår).

NorPD website and access to data

Information about the number of users of a particular drug or drug category split by sex, age and geography are accessible online. The website is: www.norpd.no (English version) or www.reseptregisteret.no (Norwegian version). Data are currently available from 2004 with an annual update in March/April for the preceding year. The figures in this book may differ slightly from the numbers found on the website www.norpd.no. This is because the data extraction for the book was made at a different time in 2009 than the data on the website. Reporting of data from the pharmacy to NorPD is delayed for a minor number of prescriptions. The delay may be a few months, meaning that reports of data from 2008 can arrive in 2009. Besides, individuals without known address are not included on the website.

It is possible to apply for data from the Norwegian Prescription Database for research or for other purposes which are according to the objectives of NorPD. Application forms are available on the website of NIPH (www.fhi.no) and all applications for access to data from NIPH should be sent to datatilgang@fhi.no. The data is free of charge, but fees for administration and file processing will be required.

Calculation of prevalence by 1000 inhabitants

Prevalence is defined as the number of individuals per 1000 inhabitants who was dispensed at least one prescription in a pharmacy in a specific time period. The number of individuals listed in the tables can be used to calculate the prevalence of drug users in the population. Please read the following example:

The number of individuals who had at least one cardiovascular drug dispensed (ATC group C) in Norway in 2008: 915 220

The number of inhabitants in Norway as of 1st July 2008: 4 768 077

Calculation of the prevalence (per 1000) of users of cardiovascular drugs in Norway in 2008:

$$\frac{\text{The number of individuals} \times 1000}{\text{The number of inhabitants}} = \frac{915\,220 \times 1000}{4\,768\,077} = \frac{192 \text{ individuals}}{\text{per 1000 inhabitants}}$$

The population in Norway for the years 2004–2008 is shown on p. 127. The population of the four age groups in the tables is also provided. The population as of 1st July each year is used, calculated from the population figures by Statistics Norway from 1st January and 31st December. Age is defined as the age of the individual at the end of the year (year of dispensing minus birth year).

3.2 Legemidler med flest brukere i Norge 2008/ Drugs with the highest number of users i Norway 2008

| | ATC code | Active ingredient | Use | Number of individuals | Proportion (%) of the population |
|----|----------|-------------------------|-----------------------------------|-----------------------|----------------------------------|
| 1 | J01CE02 | Phenoxymethylpenicillin | Antibacterial | 472 592 | 9.9 |
| 2 | M01AB05 | Diclofenac | Analgesic/NSAID | 470 257 | 9.9 |
| 3 | N02AA59 | Codeine and paracetamol | Analgesic | 396 388 | 8.3 |
| 4 | B01AC06 | Acetylsalicylic acid | Antithrombotic | 358 753 | 7.5 |
| 5 | C10AA01 | Simvastatin | Cholesterol-lowering | 347 266 | 7.3 |
| 6 | N05CF01 | Zopiclone | Hypnotic | 305 415 | 6.4 |
| 7 | R06AE07 | Cetirizine | Antihistamine | 268 038 | 5.6 |
| 8 | N02BE01 | Paracetamol | Analgesic | 252 989 | 5.3 |
| 9 | R05DA01 | Ethylmorphine | Cough suppressant | 245 099 | 5.1 |
| 10 | C07AB02 | Metoprolol | Antihypertensive/cardiac diseases | 243 780 | 5.1 |
| 11 | M01AE01 | Ibuprofen | Analgesic/NSAID | 207 521 | 4.4 |
| 12 | S01AA01 | Chloramphenicol | Antibacterial eyedrops | 191 788 | 4.0 |
| 13 | R03AC02 | Salbutamol | Asthma/COPD | 174 608 | 3.7 |
| 14 | J01CA08 | Pivmecillinam | Antibacterial | 168 822 | 3.5 |
| 15 | H03AA01 | Levothyroxine sodium | Thyroxine supplement | 163 455 | 3.4 |
| 16 | N05BA01 | Diazepam | Anxiolytic | 143 254 | 3.0 |
| 17 | J01FA01 | Erythromycin | Antibacterial | 142 036 | 3.0 |
| 18 | R01AD09 | Mometasone | Nasal allergy spray | 141 847 | 3.0 |
| 19 | H02AB06 | Prednisolone | Corticosteroid | 135 699 | 2.8 |
| 20 | J01AA02 | Doxycycline | Antibacterial | 135 183 | 2.8 |
| 21 | N05BA04 | Oxazepam | Anxiolytic | 133 510 | 2.8 |
| 22 | J01CA04 | Amoxicillin | Antibacterial | 122 654 | 2.6 |
| 23 | R05CB01 | Acetylcysteine | Mucolytic | 119 276 | 2.5 |
| 24 | C08CA01 | Amlodipine | Antihypertensive/cardiac diseases | 113 367 | 2.4 |
| 25 | A02BC05 | Esomeprazole | Reflux oesophagitis | 107 855 | 2.3 |
| 26 | N02AX02 | Tramadol | Analgesic | 105 478 | 2.2 |
| 27 | C03CA01 | Furosemide | Diuretic | 104 503 | 2.2 |
| 28 | N06AB10 | Escitalopram | Antidepressant | 93 524 | 2.0 |
| 29 | J01EA01 | Trimethoprim | Antibacterial | 92 610 | 1.9 |
| 30 | J01FA10 | Azithromycin | Antibacterial | 92 530 | 1.9 |

3.3 ATC main groups

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in thousand NOK |
|---|-----------------------|-----------|-----------|-----------|-----------|--------------------|-------------------------------------|---------|---------|---------|-----------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| A ALIMENTARY TRACT AND METABOLISM | 510 517 | 545 884 | 570 913 | 610 574 | 645 720 | 57 | 17 594 | 156 394 | 280 808 | 190 924 | 1 322 108 |
| B BLOOD AND BLOOD FORMING ORGANS | 458 344 | 482 348 | 501 239 | 522 876 | 539 548 | 49 | 2 445 | 44 658 | 229 977 | 262 468 | 674 395 |
| C CARDIOVASCULAR SYSTEM | 785 454 | 815 356 | 849 658 | 882 931 | 915 220 | 52 | 4 046 | 86 124 | 469 201 | 355 849 | 2 074 603 |
| D DERMATOLOGICALS | 569 415 | 577 674 | 585 091 | 582 618 | 587 379 | 55 | 73 834 | 220 849 | 196 915 | 95 781 | 206 201 |
| G GENITO URINARY SYSTEM AND SEX HORMONES | 654 379 | 660 711 | 668 707 | 678 838 | 691 357 | 83 | 2 892 | 396 174 | 209 385 | 82 906 | 793 795 |
| H SYSTEMIC HORMONAL PREPARATIONS, EXCL. SEX HORMONES AND INSULINS | 289 462 | 306 832 | 323 866 | 342 398 | 355 798 | 68 | 15 587 | 95 846 | 149 944 | 94 421 | 385 783 |
| J ANTIINFECTIVES FOR SYSTEMIC USE | 1 087 489 | 1 179 320 | 1 201 045 | 1 236 045 | 1 241 680 | 59 | 162 217 | 509 905 | 388 674 | 180 884 | 589 675 |
| L ANTINEOPLASTIC AND IMMUNOMODULATING AGENTS | 50 823 | 55 517 | 59 802 | 65 261 | 69 726 | 54 | 1 115 | 14 575 | 32 372 | 21 664 | 1 983 867 |
| M MUSCULO-SKELETAL SYSTEM | 923 010 | 889 384 | 906 477 | 915 105 | 904 223 | 57 | 12 585 | 339 221 | 399 234 | 153 183 | 302 740 |
| N NERVOUS SYSTEM | 1 071 508 | 1 115 536 | 1 143 288 | 1 181 331 | 1 205 125 | 60 | 29 652 | 384 826 | 511 808 | 278 839 | 2 562 935 |
| P ANTIPARASITIC PRODUCTS, INSECTICIDES AND REPELLENTS | 80 656 | 82 270 | 83 430 | 87 940 | 88 804 | 64 | 2 876 | 43 371 | 33 579 | 8 978 | 32 918 |
| R RESPIRATORY SYSTEM | 1 008 945 | 1 088 590 | 1 120 184 | 1 152 809 | 1 147 992 | 56 | 182 871 | 423 618 | 388 459 | 153 044 | 1 412 452 |
| S SENSORY ORGANS | 538 623 | 563 989 | 575 529 | 585 777 | 593 841 | 56 | 120 427 | 182 926 | 169 316 | 121 172 | 298 641 |
| V VARIOUS | 6 753 | 7 981 | 9 022 | 10 013 | 11 501 | 47 | 2 584 | 4 088 | 3 108 | 1 721 | 48 617 |

3.4 ATC group A – Alimentary tract and metabolism

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|---|---------|---------|---------|---------|--------------------|-------------------------------------|-------|--------|---------|-------------------|---------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15–44 | 45–69 | ≥70 | | | | | | | | |
| A01 | STOMATOLOGICAL PREPARATIONS | 18 589 | 18 520 | 17 449 | 18 361 | 18 079 | 62 | 1 558 | 6 157 | 6 601 | 3 763 | 2 046 |
| A01A | STOMATOLOGICAL PREPARATIONS | 18 589 | 18 520 | 17 449 | 18 361 | 18 079 | 62 | 1 558 | 6 157 | 6 601 | 3 763 | 2 046 |
| A01AA | Caries prophylactic agents | 436 | 538 | 557 | 601 | 616 | 67 | 5 | 141 | 223 | 247 | 119 |
| A01AA01 | sodium fluoride ¹⁾ | 436 | 538 | 557 | 601 | 616 | 67 | 5 | 141 | 223 | 247 | 119 |
| A01AB | Antiinfectives and antiseptics for local oral treatment | 9 564 | 9 210 | 9 383 | 8 912 | 8 903 | 61 | 270 | 2 468 | 3 845 | 2 320 | 1 181 |
| A01AB02 | hydrogen peroxide ¹⁾ | 425 | 473 | 287 | 53 | <5 | 0 | 0 | 0 | <5 | 0 | 0 |
| A01AB03 | chlorhexidine ¹⁾ | 2 416 | 2 398 | 2 359 | 2 282 | 2 292 | 53 | 190 | 863 | 804 | 435 | 157 |
| A01AB04 | amphotericin B | 6 618 | 6 235 | 6 667 | 6 514 | 6 533 | 64 | 76 | 1 593 | 2 982 | 1 882 | 947 |
| A01AB09 | miconazole | 16 | 10 | 9 | 12 | <5 | 67 | <5 | <5 | 0 | <5 | 19 |
| A01AB11 | various ¹⁾ | 28 | 23 | 16 | 11 | 18 | 78 | <5 | 7 | <5 | 6 | 1 |
| A01AB17 | metronidazole | 142 | 132 | 109 | 106 | 108 | 62 | <5 | 10 | 74 | 22 | 56 |
| A01AC | Corticosteroids for local oral treatment | 8 223 | 8 866 | 7 496 | 8 815 | 8 378 | 63 | 1 262 | 3 230 | 2 608 | 1 278 | 613 |
| A01AC01 | triamcinolone | 8 223 | 8 866 | 7 496 | 8 815 | 8 378 | 63 | 1 262 | 3 230 | 2 608 | 1 278 | 613 |
| A01AD | Other agents for local oral treatment | 827 | 315 | 359 | 402 | 549 | 59 | 44 | 425 | 64 | 16 | 133 |
| A01AD01 | epinephrine | <5 | <5 | 10 | 6 | 7 | 0 | 0 | <5 | 6 | 0 | 7 |
| A01AD02 | benzylamine | 761 | 258 | 314 | 368 | 514 | 60 | 36 | 408 | 56 | 14 | 123 |
| A01AD11 | various ¹⁾ | 62 | 56 | 35 | 28 | 28 | 71 | 8 | 16 | <5 | <5 | 3 |
| A02 | DRUGS FOR ACID RELATED DISORDERS | 222 770 | 236 537 | 255 203 | 277 323 | 297 328 | 54 | 4 733 | 66 545 | 140 446 | 85 604 | 380 619 |
| A02A | ANTACIDS | 4 147 | 4 474 | 4 587 | 4 495 | 4 275 | 43 | 75 | 976 | 1 484 | 1 740 | 4 833 |
| A02AC | Calcium compounds | 1 233 | 1 284 | 1 395 | 1 410 | 1 385 | 36 | 15 | 195 | 513 | 662 | 955 |
| A02AC01 | calcium carbonate ¹⁾ | 1 233 | 1 284 | 1 395 | 1 410 | 1 385 | 36 | 15 | 195 | 513 | 662 | 955 |
| A02AD | Combinations and complexes of aluminium, calcium and magnesium compounds | 1 963 | 2 001 | 1 859 | 1 547 | 1 236 | 59 | 40 | 570 | 355 | 271 | 140 |
| A02AD01 | ordinary salt combinations ¹⁾ | 1 963 | 2 001 | 1 859 | 1 547 | 1 236 | 59 | 40 | 570 | 355 | 271 | 140 |
| A02AH | Antacids with sodium bicarbonate | 1 466 | 1 714 | 1 935 | 2 106 | 2 160 | 35 | 26 | 266 | 807 | 1 061 | 3 738 |
| A02B | DRUGS FOR PEPTIC ULCER AND GASTRO-OESOPHAGEAL REFLUX DISEASE (GORD) | 220 359 | 233 983 | 252 573 | 274 808 | 295 093 | 54 | 4 676 | 66 073 | 139 735 | 84 609 | 375 786 |
| A02BA | H₂-receptor antagonists | 59 242 | 57 961 | 59 042 | 60 198 | 58 971 | 58 | 1 028 | 16 415 | 26 472 | 15 056 | 22 223 |
| A02BA01 | cimetidine | 11 683 | 10 177 | 8 509 | 6 274 | 356 | 59 | <5 | 39 | 189 | 127 | 113 |
| A02BA02 | ranitidine ¹⁾ | 40 683 | 41 382 | 44 649 | 50 334 | 55 225 | 58 | 999 | 15 746 | 24 717 | 13 763 | 17 217 |
| A02BA03 | famotidine ¹⁾ | 5 380 | 4 804 | 4 459 | 3 919 | 3 445 | 58 | 24 | 568 | 1 631 | 1 222 | 4 808 |
| A02BA07 | ranitidine bismuth citrate | 2 271 | 2 183 | 2 202 | 247 | <5 | 100 | 0 | <5 | 0 | 0 | 0 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|----------------|---------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| A02BA53 famotidine, combinations ¹⁾ | 260 | 280 | 264 | 307 | 350 | 57 | 6 | 132 | 122 | 90 | 86 |
| A02BB Prostaglandins | 258 | 295 | 250 | 237 | 266 | 70 | 0 | 81 | 126 | 59 | 259 |
| A02BB01 misoprostol | 258 | 295 | 250 | 237 | 266 | 70 | 0 | 81 | 126 | 59 | 259 |
| A02BC Proton pump inhibitors | 173 099 | 187 790 | 205 934 | 227 535 | 249 382 | 53 | 3 754 | 53 364 | 119 656 | 72 608 | 352 784 |
| A02BC01 omeprazole ¹⁾ | 26 167 | 26 143 | 27 011 | 40 013 | 44 709 | 54 | 2 910 | 8 402 | 19 740 | 13 657 | 55 146 |
| A02BC02 pantoprazole | 4 496 | 6 104 | 12 691 | 56 974 | 74 490 | 53 | 282 | 17 022 | 35 607 | 21 579 | 55 646 |
| A02BC03 lansoprazole | 39 724 | 42 747 | 37 106 | 48 531 | 50 268 | 51 | 447 | 9 777 | 24 931 | 15 113 | 32 614 |
| A02BC05 esomeprazole | 112 430 | 122 965 | 139 209 | 117 298 | 107 855 | 54 | 312 | 24 187 | 53 485 | 29 871 | 209 378 |
| A02BX Other drugs for peptic ulcer and gastro-oesophageal reflux disease (GORD) | 1 730 | 1 820 | 1 674 | 1 684 | 1 827 | 60 | 159 | 566 | 590 | 512 | 519 |
| A02BX02 sucralfate | 499 | 456 | 439 | 378 | 423 | 56 | 7 | 97 | 176 | 143 | 294 |
| A02BX13 alginic acid ¹⁾ | 1 238 | 1 372 | 1 243 | 1 311 | 1 415 | 61 | 153 | 470 | 419 | 373 | 226 |
| A03 DRUGS FOR FUNCTIONAL GASTROINTESTINAL DISORDERS | 46 283 | 49 269 | 52 586 | 54 554 | 58 309 | 70 | 1 765 | 19 907 | 21 425 | 15 212 | 11 217 |
| A03A DRUGS FOR FUNCTIONAL BOWEL DISORDERS | 3 134 | 3 314 | 3 522 | 3 419 | 3 316 | 56 | 170 | 769 | 1 056 | 1 321 | 1 344 |
| A03AA Synthetic anticholinergics, esters with tertiary amino group | 7 | 6 | 10 | 34 | 45 | 60 | <5 | 17 | 23 | <5 | 65 |
| A03AA04 mebeverine | 7 | 6 | 10 | 34 | 42 | 60 | 0 | 17 | 23 | <5 | 52 |
| A03AA07 dicycloverine | 0 | 0 | 0 | 0 | <5 | 67 | <5 | 0 | 0 | 0 | 13 |
| A03AB Synthetic anticholinergics, quaternary ammonium compounds | 25 | 21 | 36 | 41 | 29 | 55 | 0 | 9 | 12 | 8 | 76 |
| A03AB02 glycopyrronium | 10 | 11 | 22 | 28 | 22 | 64 | 0 | <5 | 11 | 8 | 72 |
| A03AB05 propantheline | 15 | 10 | 14 | 13 | 7 | 29 | 0 | 6 | <5 | 0 | 4 |
| A03AD Papaverine and derivatives | 39 | 53 | 36 | 41 | 8 | 75 | 0 | <5 | <5 | <5 | 3 |
| A03AD01 papaverine | 39 | 53 | 36 | 41 | 8 | 75 | 0 | <5 | <5 | <5 | 3 |
| A03AE Drugs acting on serotonin receptors | 7 | 9 | 21 | 19 | <5 | 100 | 0 | <5 | 0 | 0 | 2 |
| A03AE02 tegaserod | 7 | 9 | 21 | 19 | <5 | 100 | 0 | <5 | 0 | 0 | 2 |
| A03AX Other drugs for functional bowel disorders | 3 056 | 3 229 | 3 426 | 3 289 | 3 233 | 56 | 167 | 741 | 1 018 | 1 307 | 1 198 |
| A03AX13 silicones ¹⁾ | 3 056 | 3 229 | 3 426 | 3 289 | 3 233 | 56 | 167 | 741 | 1 018 | 1 307 | 1 198 |
| A03B BELLADONNA AND DERIVATIVES, PLAIN | 3 143 | 3 159 | 2 489 | 1 305 | 1 096 | 58 | <5 | 399 | 495 | 198 | 719 |
| A03BA Belladonna alkaloids, tertiary amines | 2 999 | 2 995 | 2 269 | 1 050 | 859 | 55 | <5 | 320 | 380 | 157 | 566 |
| A03BA01 atropine | 21 | 22 | 31 | 33 | 27 | 30 | 0 | 7 | 14 | 6 | 29 |
| A03BA03 hyoscyamine | 2 978 | 2 973 | 2 242 | 1 017 | 832 | 56 | <5 | 313 | 366 | 151 | 536 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|--------|--------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| A03BB | Belladonna alkaloids, semisynthetic, quaternary ammonium compounds | 151 | 167 | 231 | 259 | 239 | 67 | <5 | 80 | 116 | 41 | 153 |
| A03BB01 | butylscopolamine | 133 | 152 | 210 | 238 | 220 | 67 | <5 | 73 | 107 | 38 | 134 |
| A03BB02 | methylatropine | 9 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A03BB03 | methylscopolamine | 10 | 12 | 21 | 21 | 19 | 63 | 0 | 7 | 9 | <5 | 19 |
| A03C | ANTISPASMODICS IN COMBINATION WITH PSYCHOLEPTICS | 29 | 15 | 19 | 30 | 26 | 42 | 0 | <5 | 16 | 9 | 25 |
| A03CA | Synthetic anticholinergic agents in combination with psycholeptics | 29 | 15 | 19 | 30 | 26 | 42 | 0 | <5 | 16 | 9 | 25 |
| A03CA02 | clidinium and psycholeptics | 29 | 15 | 19 | 30 | 26 | 42 | 0 | <5 | 16 | 9 | 25 |
| A03F | PROPULSIVES | 40 709 | 43 526 | 47 356 | 50 465 | 54 435 | 72 | 1 592 | 18 872 | 20 104 | 13 867 | 9 129 |
| A03FA | Propulsives | 40 709 | 43 526 | 47 356 | 50 465 | 54 435 | 72 | 1 592 | 18 872 | 20 104 | 13 867 | 9 129 |
| A03FA01 | metoclopramide | 40 553 | 43 388 | 47 212 | 50 330 | 54 314 | 72 | 1 558 | 18 855 | 20 061 | 13 840 | 8 402 |
| A03FA02 | cisapride | 167 | 151 | 146 | 133 | 116 | 61 | 36 | 18 | 42 | 20 | 638 |
| A03FA03 | domperidone | 16 | 16 | 24 | 35 | 39 | 62 | <5 | 6 | 18 | 12 | 89 |
| A04 | ANTIEMETICS AND ANTINAUSEANTS | 9 793 | 10 647 | 10 837 | 12 159 | 12 761 | 59 | 246 | 2 238 | 7 242 | 3 035 | 36 894 |
| A04A | ANTIEMETICS AND ANTINAUSEANTS | 9 793 | 10 647 | 10 837 | 12 159 | 12 761 | 59 | 246 | 2 238 | 7 242 | 3 035 | 36 894 |
| A04AA | Serotonin (5HT₃) antagonists | 7 733 | 8 505 | 9 243 | 9 709 | 10 359 | 58 | 166 | 1 285 | 6 179 | 2 729 | 34 358 |
| A04AA01 | ondansetron | 6 792 | 7 551 | 8 328 | 8 989 | 9 874 | 58 | 165 | 1 246 | 5 849 | 2 614 | 31 695 |
| A04AA02 | granisetron | <5 | 10 | <5 | <5 | <5 | 50 | <5 | <5 | 0 | 0 | 68 |
| A04AA03 | tropisetron | 1 267 | 1 345 | 1 241 | 1 041 | 749 | 66 | 0 | 69 | 526 | 154 | 2 582 |
| A04AA05 | palonosetron | 0 | 0 | 0 | 82 | 6 | 50 | 0 | 0 | 5 | <5 | 12 |
| A04AD | Other antiemetics | 2 158 | 2 302 | 1 952 | 3 096 | 3 107 | 65 | 80 | 1 093 | 1 566 | 368 | 2 536 |
| A04AD01 | scopolamine | 2 115 | 2 217 | 1 596 | 2 444 | 2 395 | 61 | 79 | 940 | 1 049 | 327 | 619 |
| A04AD05 | metopimazine | 24 | 18 | 43 | 23 | <5 | 100 | 0 | <5 | <5 | 0 | 0 |
| A04AD10 | dronabinol | <5 | <5 | 0 | <5 | 7 | 43 | 0 | <5 | <5 | 0 | 35 |
| A04AD12 | aprepitant | 17 | 64 | 324 | 635 | 705 | 82 | <5 | 150 | 513 | 41 | 1 881 |
| A05 | BILE AND LIVER THERAPY | 899 | 1 064 | 1 254 | 1 456 | 1 741 | 72 | 77 | 593 | 828 | 243 | 8 214 |
| A05A | BILE THERAPY | 899 | 1 064 | 1 254 | 1 456 | 1 741 | 72 | 77 | 593 | 828 | 243 | 8 214 |
| A05AA | Bile acid preparations | 886 | 1 051 | 1 247 | 1 444 | 1 738 | 72 | 77 | 593 | 827 | 241 | 8 213 |
| A05AA02 | ursodeoxycholic acid | 886 | 1 051 | 1 247 | 1 444 | 1 738 | 72 | 77 | 593 | 827 | 241 | 8 213 |
| A05AX | Other drugs for bile therapy | 13 | 13 | 7 | 12 | <5 | 100 | 0 | 0 | <5 | <5 | 1 |
| A06 | LAXATIVES | 25 874 | 23 457 | 23 662 | 26 295 | 28 685 | 54 | 2 013 | 4 000 | 9 110 | 13 562 | 13 694 |
| A06A | LAXATIVES | 25 874 | 23 457 | 23 662 | 26 295 | 28 685 | 54 | 2 013 | 4 000 | 9 110 | 13 562 | 13 694 |
| A06AA | Softeners, emollients | 82 | 103 | 79 | 88 | 69 | 54 | 29 | <5 | 16 | 20 | 33 |

ATC group A

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | <15 | | 15-44 | 45-69 | ≥70 | | |
| A06AA01 liquid paraffin ¹⁾ | 82 | 103 | 79 | 88 | 69 | 54 | 29 | <5 | 16 | 20 | 33 |
| A06AB Contact laxatives | 8 899 | 9 858 | 10 691 | 11 916 | 12 251 | 54 | 206 | 1 334 | 4 126 | 6 585 | 2 122 |
| A06AB02 bisacodyl ¹⁾ | 3 342 | 3 443 | 3 612 | 3 829 | 3 821 | 54 | 53 | 493 | 1 082 | 2 193 | 549 |
| A06AB06 senna glycosides ¹⁾ | 2 151 | 2 076 | 2 049 | 2 138 | 1 993 | 49 | 18 | 172 | 571 | 1 232 | 344 |
| A06AB08 sodium picosulfate ¹⁾ | 4 178 | 5 190 | 5 965 | 7 071 | 7 499 | 54 | 138 | 752 | 2 871 | 3 738 | 1 221 |
| A06AB20 contact laxatives in combination ¹⁾ | 14 | 13 | <5 | 11 | 6 | 67 | 0 | 0 | <5 | <5 | 2 |
| A06AB53 dantron, combinations | <5 | <5 | <5 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 3 |
| A06AB56 senna glycosides, combinations ¹⁾ | 17 | 23 | 15 | 10 | 17 | 35 | 0 | <5 | 7 | 7 | 3 |
| A06AC Bulk producers | 1 662 | 1 646 | 1 680 | 1 586 | 1 508 | 57 | 38 | 390 | 536 | 544 | 422 |
| A06AC01 ispaghula (psylla seeds) ¹⁾ | 1 662 | 1 640 | 1 665 | 1 575 | 1 505 | 57 | 38 | 390 | 535 | 542 | 422 |
| A06AC51 ispaghula, combinations ¹⁾ | 0 | 6 | 16 | 11 | <5 | 67 | 0 | 0 | <5 | <5 | 0 |
| A06AD Osmotically acting laxatives | 16 677 | 12 805 | 12 281 | 14 673 | 17 039 | 52 | 1 525 | 2 015 | 5 666 | 7 833 | 5 332 |
| A06AD11 lactulose ¹⁾ | 15 259 | 10 958 | 10 145 | 12 295 | 13 348 | 50 | 624 | 1 450 | 4 618 | 6 656 | 3 250 |
| A06AD12 lactitol | 179 | 150 | 86 | 58 | 68 | 37 | 42 | 6 | 9 | 11 | 60 |
| A06AD17 sodium phosphate ¹⁾ | 785 | 1 019 | 901 | 602 | 923 | 57 | 6 | 161 | 454 | 302 | 421 |
| A06AD65 macrogol, combinations ¹⁾ | 630 | 881 | 1 395 | 2 084 | 3 312 | 54 | 910 | 445 | 865 | 1 092 | 1 602 |
| A06AG Enemas | 4 143 | 4 272 | 4 309 | 4 451 | 4 495 | 49 | 484 | 970 | 1 453 | 1 588 | 5 676 |
| A06AG02 bisacodyl ¹⁾ | 1 623 | 1 579 | 1 523 | 1 572 | 1 460 | 46 | 40 | 414 | 563 | 443 | 672 |
| A06AG04 glycerol ¹⁾ | 581 | 619 | 652 | 649 | 682 | 46 | 191 | 150 | 168 | 173 | 2 122 |
| A06AG10 docusate sodium, incl. combinations ¹⁾ | 1 052 | 1 111 | 1 154 | 1 137 | 1 209 | 48 | 88 | 242 | 416 | 463 | 1 527 |
| A06AG11 laurilsulfate, incl. combinations ¹⁾ | 1 209 | 1 307 | 1 324 | 1 475 | 1 500 | 51 | 190 | 246 | 420 | 644 | 1 355 |
| A06AH Peripheral opioid receptor antagonists | 0 | 0 | 0 | 0 | 18 | 33 | 0 | <5 | 10 | 7 | 108 |
| A06AH01 methylnaltrexone bromide | 0 | 0 | 0 | 0 | 18 | 33 | 0 | <5 | 10 | 7 | 108 |
| A07 ANTIDIARRHEALS, INTESTINAL ANTIINFLAMMATORY/ ANTIINFECTIVE AGENTS | 49 749 | 53 287 | 54 522 | 55 420 | 60 416 | 57 | 5 808 | 17 384 | 23 866 | 13 358 | 98 198 |
| A07A INTESTINAL ANTIINFECTIVES | 19 522 | 21 745 | 21 599 | 21 042 | 24 591 | 64 | 5 342 | 5 961 | 7 856 | 5 432 | 9 067 |
| A07AA Antibiotics | 19 522 | 21 745 | 21 599 | 21 042 | 24 591 | 64 | 5 342 | 5 961 | 7 856 | 5 432 | 9 067 |
| A07AA02 nystatin | 19 450 | 21 635 | 21 448 | 20 887 | 24 366 | 64 | 5 339 | 5 882 | 7 779 | 5 366 | 8 458 |
| A07AA06 paromomycin | <5 | 13 | 44 | 49 | 90 | 67 | <5 | 47 | 39 | <5 | 217 |
| A07AA09 vancomycin | 78 | 106 | 113 | 122 | 157 | 62 | 6 | 35 | 47 | 69 | 392 |
| A07B INTESTINAL ADSORBENTS | 103 | 103 | 121 | 133 | 145 | 41 | 34 | 45 | 33 | 33 | 16 |
| A07BA Charcoal preparations | 103 | 103 | 121 | 133 | 145 | 41 | 34 | 45 | 33 | 33 | 16 |
| A07BA01 medicinal charcoal ¹⁾ | 103 | 103 | 121 | 133 | 145 | 41 | 34 | 45 | 33 | 33 | 16 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|--------|--------|-------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| A07C | ELECTROLYTES WITH CARBOHYDRATES | 272 | 298 | 407 | 281 | 118 | 52 | 59 | 30 | 16 | 13 | 89 |
| A07CA | Oral rehydration salt formulations¹⁾ | 272 | 298 | 407 | 281 | 118 | 52 | 59 | 30 | 16 | 13 | 89 |
| A07D | ANTIPROPULSIVES | 12 511 | 13 228 | 14 084 | 15 084 | 15 854 | 55 | 152 | 3 730 | 6 861 | 5 111 | 6 444 |
| A07DA | Antipropulsives | 12 511 | 13 228 | 14 084 | 15 084 | 15 854 | 55 | 152 | 3 730 | 6 861 | 5 111 | 6 444 |
| A07DA01 | diphenoxylate | 7 | <5 | <5 | <5 | <5 | 50 | 0 | <5 | <5 | 0 | 12 |
| A07DA02 | opium | 52 | 53 | 51 | 42 | 97 | 58 | 0 | 7 | 52 | 38 | 147 |
| A07DA03 | loperamide ¹⁾ | 12 472 | 13 197 | 14 056 | 15 015 | 15 648 | 55 | 152 | 3 662 | 6 788 | 5 046 | 6 225 |
| A07DA53 | loperamide, combinations ¹⁾ | 0 | 0 | 0 | 76 | 221 | 55 | 0 | 72 | 84 | 65 | 60 |
| A07E | INTESTINAL ANTI-INFLAMMATORY AGENTS | 18 811 | 19 472 | 19 924 | 20 613 | 21 291 | 51 | 232 | 7 991 | 9 906 | 3 162 | 82 277 |
| A07EA | Corticosteroids acting locally | 3 857 | 3 873 | 4 093 | 4 408 | 4 778 | 57 | 58 | 1 958 | 2 031 | 731 | 13 646 |
| A07EA01 | prednisolone | 1 166 | 1 032 | 1 041 | 975 | 996 | 49 | 13 | 400 | 439 | 144 | 997 |
| A07EA02 | hydrocortisone | 1 049 | 1 066 | 1 078 | 1 160 | 1 189 | 55 | 6 | 526 | 492 | 165 | 1 303 |
| A07EA06 | budesonide | 1 880 | 1 987 | 2 176 | 2 480 | 2 804 | 60 | 42 | 1 130 | 1 190 | 442 | 11 346 |
| A07EB | Antiallergic agents, excl. corticosteroids | 94 | 72 | 69 | 71 | 63 | 67 | 23 | 15 | 24 | <5 | 442 |
| A07EB01 | cromoglicic acid | 94 | 72 | 69 | 71 | 63 | 67 | 23 | 15 | 24 | <5 | 442 |
| A07EC | Aminosalicylic acid and similar agents | 17 258 | 17 822 | 18 078 | 18 437 | 18 887 | 50 | 192 | 7 147 | 8 869 | 2 679 | 68 189 |
| A07EC01 | sulfasalazine | 7 163 | 7 043 | 6 854 | 6 610 | 6 447 | 53 | 9 | 1 745 | 3 566 | 1 127 | 8 418 |
| A07EC02 | mesalazine | 9 757 | 10 378 | 10 754 | 11 299 | 11 921 | 49 | 183 | 5 134 | 5 131 | 1 473 | 53 968 |
| A07EC03 | olsalazine | 522 | 494 | 476 | 463 | 492 | 48 | <5 | 194 | 224 | 70 | 1 801 |
| A07EC04 | balsalazide | 700 | 761 | 862 | 890 | 853 | 43 | 0 | 412 | 353 | 88 | 4 001 |
| A07F | ANTIDIARRHEAL MICROORGANISMS | 0 | 17 | 66 | 63 | 302 | 69 | 9 | 117 | 126 | 50 | 306 |
| A07FA | Antidiarrheal microorganisms | 0 | 17 | 66 | 63 | 302 | 69 | 9 | 117 | 126 | 50 | 306 |
| A07FA01 | lactic acid producing organisms | 0 | 0 | 0 | 0 | 204 | 72 | <5 | 100 | 95 | 5 | 246 |
| A07FA02 | saccharomyces boulardii | 0 | 17 | 66 | 63 | 98 | 64 | 5 | 17 | 31 | 45 | 60 |
| A08 | ANTIOBESITY PREPARATIONS, EXCL. DIET PRODUCTS | 35 772 | 36 481 | 33 419 | 36 773 | 37 774 | 79 | 31 | 19 406 | 16 829 | 1 508 | 76 617 |
| A08A | ANTIOBESITY PREPARATIONS, EXCL. DIET PRODUCTS | 35 772 | 36 481 | 33 419 | 36 773 | 37 774 | 79 | 31 | 19 406 | 16 829 | 1 508 | 76 617 |
| A08AA | Centrally acting antiobesity products | 16 747 | 17 684 | 16 358 | 17 852 | 21 976 | 83 | 22 | 13 571 | 7 893 | 490 | 36 053 |
| A08AA10 | sibutramine | 16 747 | 17 684 | 16 358 | 17 852 | 21 976 | 83 | 22 | 13 571 | 7 893 | 490 | 36 053 |
| A08AB | Peripherally acting antiobesity products | 21 398 | 20 920 | 18 083 | 16 707 | 14 530 | 77 | 9 | 5 720 | 7 870 | 931 | 29 372 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| A08AB01 orlistat | 21 398 | 20 920 | 18 083 | 16 707 | 14 530 | 77 | 9 | 5 720 | 7 870 | 931 | 29 372 |
| A08AX Other antiobesity drugs | 0 | 0 | 1 033 | 5 240 | 4 170 | 70 | <5 | 1 558 | 2 427 | 183 | 11 192 |
| A08AX01 rimonabant | 0 | 0 | 1 033 | 5 240 | 4 170 | 70 | <5 | 1 558 | 2 427 | 183 | 11 192 |
| A09 DIGESTIVES, INCL. ENZYMES | 5 074 | 5 136 | 5 173 | 5 026 | 5 033 | 57 | 161 | 690 | 2 417 | 1 765 | 31 358 |
| A09A DIGESTIVES, INCL. ENZYMES | 5 074 | 5 136 | 5 173 | 5 026 | 5 033 | 57 | 161 | 690 | 2 417 | 1 765 | 31 358 |
| A09AA Enzyme preparations | 4 976 | 5 058 | 5 120 | 4 961 | 4 945 | 57 | 128 | 683 | 2 405 | 1 729 | 31 159 |
| A09AA02 multienzymes (lipase, protease etc.) ¹⁾ | 4 976 | 5 058 | 5 120 | 4 961 | 4 945 | 57 | 128 | 683 | 2 405 | 1 729 | 31 159 |
| A09AB Acid preparations | 107 | 86 | 78 | 76 | 104 | 64 | 34 | 9 | 23 | 38 | 199 |
| A09AB01 glutamic acid hydrochloride ¹⁾ | 102 | 74 | 71 | 58 | 66 | 76 | 0 | 8 | 23 | 35 | 28 |
| A09AB03 hydrochloric acid ¹⁾ | 5 | 12 | 7 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 0 |
| A09AB04 citric acid | 0 | 0 | 0 | 15 | 35 | 40 | 34 | <5 | 0 | 0 | 171 |
| A10 DRUGS USED IN DIABETES | 110 749 | 117 533 | 124 649 | 131 958 | 138 731 | 46 | 1 759 | 21 623 | 68 405 | 46 944 | 456 704 |
| A10A INSULINS AND ANALOGUES | 45 650 | 47 074 | 48 123 | 49 343 | 50 967 | 44 | 1 747 | 13 394 | 22 310 | 13 516 | 337 401 |
| A10AB Insulins and analogues for injection, fast-acting | 27 274 | 28 720 | 29 763 | 30 985 | 32 352 | 43 | 1 742 | 12 111 | 13 625 | 4 874 | 118 716 |
| A10AB01 insulin (human) | 9 920 | 8 787 | 4 557 | 2 536 | 2 177 | 41 | 60 | 538 | 1 063 | 516 | 5 451 |
| A10AB03 insulin (pork) | 35 | 28 | 16 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 3 |
| A10AB04 insulin lispro | 8 903 | 8 779 | 8 749 | 8 629 | 8 640 | 42 | 178 | 4 409 | 3 387 | 666 | 37 051 |
| A10AB05 insulin aspart | 11 042 | 13 379 | 19 281 | 21 078 | 22 609 | 44 | 1 590 | 7 628 | 9 575 | 3 816 | 75 874 |
| A10AB06 insulin glulisine | 0 | 0 | 0 | <5 | 144 | 46 | <5 | 59 | 71 | 11 | 336 |
| A10AC Insulins and analogues for injection, intermediate-acting | 37 409 | 36 967 | 35 488 | 34 018 | 33 373 | 44 | 878 | 7 416 | 15 197 | 9 882 | 114 881 |
| A10AC01 insulin (human) | 37 363 | 36 929 | 35 479 | 34 013 | 33 371 | 44 | 878 | 7 416 | 15 197 | 9 880 | 114 874 |
| A10AC03 insulin (pork) | 50 | 44 | 19 | 7 | <5 | 50 | 0 | 0 | 0 | <5 | 7 |
| A10AD Insulins and analogues for injection, intermediate-acting combined with fast-acting | 10 476 | 10 332 | 10 379 | 10 246 | 10 220 | 45 | 25 | 1 045 | 4 943 | 4 207 | 50 833 |
| A10AD01 insulin (human) | 6 388 | 4 802 | 939 | 43 | 32 | 44 | 0 | <5 | 14 | 15 | 104 |
| A10AD03 insulin (pork) | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A10AD04 Insulin lispro | 928 | 828 | 803 | 763 | 748 | 43 | 5 | 130 | 399 | 214 | 3 668 |
| A10AD05 insulin aspart | 4 136 | 7 766 | 9 389 | 9 475 | 9 468 | 45 | 20 | 917 | 4 545 | 3 986 | 47 060 |
| A10AE Insulins and analogues for injection, long-acting | 1 561 | 3 625 | 6 221 | 8 139 | 9 793 | 47 | 549 | 4 483 | 3 895 | 866 | 52 971 |
| A10AE01 insulin (human) | 113 | 69 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A10AE03 insulin (pork) | 0 | 0 | 0 | 0 | <5 | 0 | 0 | <5 | 0 | 0 | 12 |
| A10AE04 insulin glargine | 1 306 | 2 418 | 4 025 | 5 134 | 6 138 | 47 | 247 | 2 922 | 2 416 | 553 | 30 952 |
| A10AE05 insulin detemir | 158 | 1 206 | 2 300 | 3 100 | 3 777 | 46 | 305 | 1 622 | 1 527 | 323 | 22 007 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|----------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| A10B | BLOOD GLUCOSE LOWERING DRUGS, EXCL. INSULINS | 78 676 | 85 016 | 91 934 | 98 907 | 105 177 | 46 | 18 | 9 720 | 56 071 | 39 368 | 119 304 |
| A10BA | Biguanides | 59 585 | 66 683 | 74 120 | 81 197 | 88 425 | 46 | 10 | 9 053 | 49 297 | 30 065 | 48 879 |
| A10BA02 | metformin | 59 585 | 66 683 | 74 120 | 81 197 | 88 425 | 46 | 10 | 9 053 | 49 297 | 30 065 | 48 879 |
| A10BB | Sulfonamides, urea derivatives | 43 445 | 44 293 | 45 392 | 46 452 | 46 949 | 43 | 9 | 2 519 | 23 391 | 21 030 | 23 169 |
| A10BB01 | glibenclamide | 9 063 | 2 924 | 2 377 | 2 127 | 1 906 | 45 | 6 | 59 | 789 | 1 052 | 1 062 |
| A10BB02 | chlorpropamide | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 5 |
| A10BB07 | glipizide | 7 718 | 7 000 | 6 520 | 6 093 | 5 698 | 43 | <5 | 170 | 2 376 | 3 151 | 3 140 |
| A10BB12 | glimepiride | 32 566 | 35 073 | 36 985 | 38 628 | 39 770 | 42 | <5 | 2 306 | 20 424 | 17 037 | 18 963 |
| A10BD | Combinations of oral blood glucose lowering drugs | 0 | 399 | 1 940 | 2 680 | 2 644 | 38 | 0 | 203 | 1 721 | 720 | 12 606 |
| A10BD03 | metformin and rosiglitazone | 0 | 399 | 1 940 | 2 680 | 2 633 | 38 | 0 | 201 | 1 713 | 719 | 12 557 |
| A10BD04 | glimepiride and rosiglitazone | 0 | 0 | 0 | 0 | <5 | 100 | 0 | 0 | <5 | 0 | 2 |
| A10BD05 | metformin and pioglitazone | 0 | 0 | 0 | 0 | <5 | 0 | 0 | <5 | <5 | 0 | 16 |
| A10BD08 | metformin and vildagliptin | 0 | 0 | 0 | 0 | 10 | 40 | 0 | <5 | 8 | <5 | 31 |
| A10BF | Alpha glucosidase inhibitors | 1 641 | 1 379 | 1 232 | 1 101 | 987 | 47 | 0 | 44 | 497 | 446 | 1 582 |
| A10BF01 | acarbose | 1 641 | 1 379 | 1 232 | 1 101 | 987 | 47 | 0 | 44 | 497 | 446 | 1 582 |
| A10BG | Thiazolidinediones | 2 449 | 5 229 | 6 436 | 6 461 | 5 698 | 42 | 0 | 417 | 3 562 | 1 719 | 27 133 |
| A10BG02 | rosiglitazone | 1 981 | 4 263 | 5 053 | 5 007 | 4 189 | 43 | 0 | 272 | 2 534 | 1 383 | 19 564 |
| A10BG03 | pioglitazone | 495 | 1 027 | 1 430 | 1 516 | 1 551 | 40 | 0 | 147 | 1 064 | 340 | 7 569 |
| A10BH | Dipeptidyl peptidase 4 (DPP-4) inhibitors | 0 | 0 | 0 | 143 | 793 | 40 | 0 | 66 | 571 | 156 | 2 944 |
| A10BH01 | sitagliptin | 0 | 0 | 0 | 143 | 788 | 40 | 0 | 66 | 567 | 155 | 2 931 |
| A10BH02 | vildagliptin | 0 | 0 | 0 | 0 | 6 | 50 | 0 | <5 | <5 | <5 | 13 |
| A10BX | Other blood glucose lowering drugs, excl. insulins | 644 | 538 | 464 | 530 | 722 | 41 | <5 | 96 | 459 | 166 | 2 990 |
| A10BX02 | repaglinide | 631 | 527 | 455 | 435 | 399 | 39 | <5 | 29 | 226 | 143 | 782 |
| A10BX03 | nateglinide | 14 | 12 | 9 | 12 | 13 | 15 | 0 | <5 | 6 | <5 | 27 |
| A10BX04 | exenatide | 0 | 0 | 0 | 85 | 311 | 45 | 0 | 64 | 228 | 19 | 2 182 |
| A11 | VITAMINS²⁾ | 51 137 | 63 761 | 66 736 | 75 632 | 79 057 | 61 | 477 | 16 849 | 28 417 | 33 314 | 44 119 |
| A11A | MULTIVITAMINS, COMBINATIONS | 24 | 13 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A11AA | Multivitamins with minerals | 24 | 13 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A11AA01 | multivitamins and iron ¹⁾ | 24 | 13 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A11B | MULTIVITAMINS, PLAIN | 32 | 31 | 25 | 31 | 39 | 44 | 31 | 7 | <5 | 0 | 38 |
| A11BA | Multivitamins, plain | 32 | 31 | 25 | 31 | 39 | 44 | 31 | 7 | <5 | 0 | 38 |
| A11C | VITAMIN A AND D, INCL. COMBINATIONS OF THE TWO | 4 865 | 5 050 | 5 862 | 6 738 | 7 933 | 53 | 119 | 2 085 | 3 215 | 2 514 | 9 787 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

²⁾Includes prescription sales only for medicinal products with an approved marketing authorisation. A lot of products belonging to the vitamins are also sold outside pharmacies.

ATC group A

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|--------|--------|--------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| A11CA Vitamin A, plain | 23 | 24 | 24 | 31 | 38 | 68 | 6 | 9 | 22 | <5 | 115 |
| A11CA01 retinol (vit A) | 18 | 17 | 15 | 18 | 22 | 64 | 0 | 6 | 15 | <5 | 12 |
| A11CA02 betacarotene | 5 | 7 | 9 | 13 | 16 | 75 | 6 | <5 | 7 | 0 | 102 |
| A11CC Vitamin D and analogues | 4 845 | 5 028 | 5 840 | 6 710 | 7 902 | 53 | 113 | 2 077 | 3 199 | 2 513 | 9 673 |
| A11CC01 ergocalciferol | 741 | 767 | 1 098 | 1 482 | 2 030 | 69 | 15 | 1 043 | 800 | 172 | 1 366 |
| A11CC02 dihydrotachysterol | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A11CC03 alfalcidol | 2 748 | 2 848 | 3 033 | 3 186 | 3 513 | 49 | 92 | 562 | 1 379 | 1 480 | 5 351 |
| A11CC04 calcitriol | 1 398 | 1 511 | 1 657 | 1 907 | 2 071 | 43 | <5 | 309 | 904 | 854 | 2 806 |
| A11CC05 colecalciferol | 0 | 0 | 93 | 220 | 364 | 70 | <5 | 181 | 160 | 20 | 81 |
| A11CC07 paricalcitol | 0 | 0 | 0 | 0 | 11 | 36 | 0 | 5 | <5 | <5 | 69 |
| A11D VITAMIN B₁, PLAIN AND IN COMBINATION WITH VITAMIN B₆ AND B₁₂¹⁾ | 482 | 555 | 574 | 624 | 691 | 33 | <5 | 95 | 420 | 173 | 394 |
| A11DA Vitamin B₁, plain | 482 | 555 | 574 | 624 | 671 | 32 | <5 | 90 | 415 | 163 | 383 |
| A11DA01 thiamine (vit B ₁) ¹⁾ | 482 | 555 | 574 | 624 | 671 | 32 | <5 | 90 | 415 | 163 | 383 |
| A11DB Vitamin B₁ in combination with vitamin B₆ and/or vitamin B₁₂ | 0 | 0 | 0 | 0 | 20 | 70 | 0 | 5 | 5 | 10 | 11 |
| A11E VITAMIN B-COMPLEX, INCL. COMBINATIONS | 42 967 | 55 571 | 57 802 | 65 838 | 68 326 | 62 | 236 | 14 336 | 24 625 | 29 129 | 32 408 |
| A11EA Vitamin B-complex, plain¹⁾ | 42 577 | 55 060 | 57 208 | 65 072 | 67 326 | 62 | 191 | 14 214 | 24 248 | 28 673 | 31 537 |
| A11EB Vitamin B-complex with vitamin C | 0 | 0 | 0 | 0 | 58 | 59 | <5 | 20 | 22 | 13 | 18 |
| A11EX Vitamin B-complex, other combinations | 393 | 521 | 610 | 787 | 970 | 37 | 42 | 104 | 363 | 461 | 852 |
| A11G ASCORBIC ACID (VITAMIN C), INCL. COMBINATIONS | 3 021 | 2 984 | 3 044 | 3 307 | 3 397 | 70 | 5 | 246 | 666 | 2 480 | 787 |
| A11GA Ascorbic acid (vitamin C), plain | 3 021 | 2 984 | 3 044 | 3 307 | 3 397 | 70 | 5 | 246 | 666 | 2 480 | 787 |
| A11GA01 ascorbic acid (vit C) ¹⁾ | 3 021 | 2 984 | 3 044 | 3 307 | 3 397 | 70 | 5 | 246 | 666 | 2 480 | 787 |
| A11H OTHER PLAIN VITAMIN PREPARATIONS | 1 241 | 1 144 | 1 262 | 1 246 | 1 173 | 62 | 87 | 386 | 405 | 295 | 597 |
| A11HA Other plain vitamin preparations | 1 241 | 1 144 | 1 262 | 1 246 | 1 173 | 62 | 87 | 386 | 405 | 295 | 597 |
| A11HA01 nicotinamide ¹⁾ | 11 | 14 | 21 | 14 | 14 | 71 | <5 | <5 | 9 | <5 | 12 |
| A11HA02 pyridoxine (vit B ₆) ¹⁾ | 399 | 466 | 554 | 571 | 561 | 69 | 24 | 244 | 213 | 80 | 270 |
| A11HA03 tocopherol (vit E) ¹⁾ | 843 | 672 | 695 | 650 | 589 | 56 | 60 | 135 | 182 | 212 | 310 |
| A11HA04 riboflavin (vit B ₂) | 0 | 0 | 0 | 14 | 13 | 69 | <5 | 6 | <5 | <5 | 5 |
| A11J OTHER VITAMIN PRODUCTS, COMBINATIONS | 46 | 44 | 37 | 50 | 59 | 53 | 49 | 9 | <5 | 0 | 108 |
| A11JA Combinations of vitamins | 42 | 41 | 37 | 50 | 59 | 53 | 49 | 9 | <5 | 0 | 108 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| A11JB | Vitamins with minerals | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A12 | MINERAL SUPPLEMENTS | 52 536 | 62 480 | 69 317 | 76 549 | 82 979 | 79 | 343 | 5 515 | 30 842 | 46 279 | 58 489 |
| A12A | CALCIUM | 35 462 | 44 151 | 50 058 | 56 456 | 62 430 | 83 | 141 | 4 282 | 24 393 | 33 614 | 36 294 |
| A12AA | Calcium | 1 402 | 1 482 | 1 499 | 1 449 | 1 503 | 71 | 60 | 247 | 509 | 687 | 1 024 |
| A12AA02 | calcium glubionate | 5 | 5 | 5 | <5 | <5 | 67 | <5 | <5 | 0 | 0 | 5 |
| A12AA04 | calcium carbonate ¹⁾ | 393 | 397 | 390 | 371 | 394 | 79 | 7 | 47 | 86 | 254 | 122 |
| A12AA06 | calcium lactate gluconate ¹⁾ | 990 | 1 087 | 1 100 | 1 078 | 1 113 | 67 | 51 | 204 | 427 | 431 | 877 |
| A12AA12 | calcium acetate anhydrous | 28 | 9 | 18 | 11 | 22 | 50 | 0 | <5 | 10 | 11 | 21 |
| A12AX | Calcium, combinations with other drugs ¹⁾ | 34 207 | 42 852 | 48 744 | 55 179 | 61 122 | 84 | 81 | 4 063 | 23 948 | 33 030 | 35 270 |
| A12B | POTASSIUM | 16 299 | 17 530 | 18 546 | 19 731 | 20 343 | 67 | 91 | 970 | 6 103 | 13 179 | 20 310 |
| A12BA | Potassium | 16 299 | 17 530 | 18 546 | 19 731 | 20 343 | 67 | 91 | 970 | 6 103 | 13 179 | 20 310 |
| A12BA01 | potassium chloride ¹⁾ | 15 164 | 16 241 | 17 133 | 18 208 | 18 783 | 67 | 26 | 826 | 5 635 | 12 296 | 17 511 |
| A12BA02 | potassium citrate ¹⁾ | 1 320 | 1 501 | 1 650 | 1 798 | 1 847 | 65 | 69 | 164 | 551 | 1 063 | 2 781 |
| A12BA30 | combinations | 5 | <5 | <5 | 5 | 5 | 40 | 0 | <5 | <5 | <5 | 18 |
| A12C | OTHER MINERAL SUPPLEMENTS | 2 662 | 3 031 | 3 404 | 3 344 | 3 616 | 61 | 112 | 456 | 1 303 | 1 745 | 1 716 |
| A12CA | Sodium | 144 | 210 | 283 | 379 | 464 | 72 | 10 | 24 | 130 | 300 | 235 |
| A12CA01 | sodium chloride ¹⁾ | 144 | 210 | 283 | 379 | 464 | 72 | 10 | 24 | 130 | 300 | 235 |
| A12CB | Zinc | 764 | 799 | 878 | 904 | 907 | 66 | 63 | 190 | 262 | 392 | 271 |
| A12CB01 | zinc sulfate | 764 | 799 | 878 | 904 | 907 | 66 | 63 | 190 | 262 | 392 | 271 |
| A12CC | Magnesium | 1 769 | 2 050 | 2 272 | 2 095 | 2 282 | 57 | 41 | 244 | 929 | 1 068 | 1 210 |
| A12CC04 | magnesium citrate | 25 | 19 | 17 | 24 | 19 | 47 | <5 | <5 | 11 | <5 | 12 |
| A12CC10 | magnesium oxide | 0 | 0 | 0 | 0 | 9 | 44 | <5 | <5 | <5 | <5 | 5 |
| A12CC30 | magnesium (different salts in combination) ¹⁾ | 1 748 | 2 036 | 2 262 | 2 076 | 2 262 | 57 | 39 | 241 | 919 | 1 063 | 1 186 |
| A14 | ANABOLIC AGENTS FOR SYSTEMIC USE | 949 | 883 | 803 | 710 | 658 | 78 | 0 | 137 | 448 | 73 | 572 |
| A14A | ANABOLIC STEROIDS | 949 | 883 | 803 | 710 | 658 | 78 | 0 | 137 | 448 | 73 | 572 |
| A14AA | Androstan derivatives | 844 | 764 | 686 | 595 | 559 | 86 | 0 | 104 | 416 | 39 | 437 |
| A14AA04 | metenolone | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| A14AA07 | prasterone | 842 | 763 | 684 | 593 | 558 | 86 | 0 | 103 | 416 | 39 | 428 |
| A14AA08 | oxandrolone | 0 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 9 |
| A14AB | Estren derivatives | 108 | 119 | 119 | 117 | 100 | 33 | 0 | 33 | 33 | 34 | 135 |
| A14AB01 | nandrolone | 108 | 119 | 119 | 117 | 100 | 33 | 0 | 33 | 33 | 34 | 135 |
| A16 | OTHER ALIMENTARY TRACT AND METABOLISM PRODUCTS | 83 | 113 | 158 | 197 | 328 | 61 | 68 | 111 | 131 | 18 | 103 304 |
| A16A | OTHER ALIMENTARY TRACT AND METABOLISM PRODUCTS | 83 | 113 | 158 | 197 | 328 | 61 | 68 | 111 | 131 | 18 | 103 304 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group A

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|-----------|-----------|-----------|------------|--------------------|-------------------------------------|-----------|-----------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| A16AA | Amino acids and derivatives | 46 | 48 | 63 | 73 | 93 | 59 | 54 | 20 | 16 | <5 | 2 042 |
| A16AA01 | levocarnitine | 40 | 41 | 52 | 56 | 63 | 56 | 44 | 11 | 5 | <5 | 830 |
| A16AA03 | glutamine | 0 | <5 | <5 | <5 | 13 | 77 | 0 | <5 | 10 | 0 | 11 |
| A16AA04 | mercaptamine | 6 | 6 | 7 | 8 | 8 | 50 | 6 | <5 | 0 | 0 | 712 |
| A16AA06 | betaine | 0 | 0 | 0 | 6 | 10 | 70 | 5 | <5 | <5 | 0 | 490 |
| A16AB | Enzymes | 25 | 33 | 40 | 44 | 44 | 39 | <5 | 19 | 21 | <5 | 91 478 |
| A16AB02 | imiglucerase | 7 | 10 | 8 | 9 | 9 | 56 | 0 | 7 | <5 | 0 | 21 163 |
| A16AB03 | agalsidase alfa | 10 | 12 | 17 | 17 | 17 | 29 | <5 | 8 | 7 | <5 | 33 734 |
| A16AB04 | agalsidase beta | 8 | 11 | 16 | 19 | 19 | 42 | <5 | 5 | 12 | <5 | 33 285 |
| A16AB07 | alglucosidase alfa | 0 | 0 | 0 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 3 297 |
| A16AX | Various alimentary tract and metabolism products | 12 | 32 | 56 | 80 | 197 | 69 | 12 | 74 | 98 | 13 | 9 784 |
| A16AX01 | tiotic acid | 12 | 20 | 44 | 66 | 179 | 73 | 0 | 68 | 98 | 13 | 154 |
| A16AX03 | sodium phenylbutyrate | 0 | <5 | <5 | <5 | <5 | 50 | <5 | 0 | 0 | 0 | 232 |
| A16AX04 | nitisinone | 0 | 11 | 11 | 11 | 12 | 17 | 9 | <5 | 0 | 0 | 9 367 |
| A16AX05 | zinc acetate | 0 | 0 | 0 | <5 | <5 | 50 | <5 | <5 | 0 | 0 | 30 |

3.5 ATC group B – Blood and bloodforming organs

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|--------|---------|---------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| B01 | ANTITHROMBOTIC AGENTS | 378 617 | 398 759 | 418 397 | 437 812 | 454 480 | 45 | 342 | 18 317 | 195 786 | 240 035 | 402 409 |
| B01A | ANTITHROMBOTIC AGENTS | 378 617 | 398 759 | 418 397 | 437 812 | 454 480 | 45 | 342 | 18 317 | 195 786 | 240 035 | 402 409 |
| B01AA | Vitamin K antagonists | 72 848 | 76 021 | 79 146 | 82 044 | 84 031 | 40 | 60 | 3 415 | 25 903 | 54 653 | 71 389 |
| B01AA01 | dicoumarol | 54 | 62 | 67 | 69 | 87 | 48 | 0 | 13 | 46 | 28 | 412 |
| B01AA02 | phenindione | 52 | 47 | 43 | 45 | 33 | 58 | 0 | 5 | 16 | 12 | 171 |
| B01AA03 | warfarin | 72 755 | 75 920 | 79 044 | 81 942 | 83 940 | 40 | 60 | 3 402 | 25 854 | 54 624 | 70 806 |
| B01AB | Heparin group | 18 478 | 20 141 | 21 801 | 25 298 | 27 722 | 59 | 132 | 6 087 | 12 011 | 9 492 | 60 891 |
| B01AB01 | heparin | 554 | 647 | 649 | 747 | 765 | 58 | 89 | 149 | 360 | 167 | 1 075 |
| B01AB02 | antithrombin III | <5 | 0 | 0 | 0 | <5 | 100 | 0 | <5 | 0 | 0 | 163 |
| B01AB04 | dalteparin | 9 847 | 10 261 | 10 753 | 13 308 | 15 112 | 60 | 30 | 3 339 | 6 553 | 5 190 | 35 027 |
| B01AB05 | enoxaparin | 8 309 | 9 505 | 10 699 | 11 570 | 12 179 | 57 | 16 | 2 665 | 5 270 | 4 228 | 24 626 |
| B01AB10 | tinzaparin | <5 | 0 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| B01AC | Platelet aggregation inhibitors excl. heparin | 304 779 | 320 695 | 337 653 | 353 119 | 367 383 | 45 | 171 | 10 278 | 167 118 | 189 816 | 269 092 |
| B01AC04 | clopidogrel | 17 973 | 21 604 | 22 541 | 23 283 | 25 099 | 33 | <5 | 973 | 13 101 | 11 024 | 101 282 |
| B01AC05 | ticlopidine | 520 | 465 | 454 | 432 | 428 | 40 | 0 | 6 | 203 | 219 | 1 111 |
| B01AC06 | acetylsalicylic acid | 297 455 | 312 787 | 329 595 | 344 950 | 358 753 | 45 | 168 | 10 131 | 163 655 | 184 799 | 114 750 |
| B01AC07 | dipyridamole | 10 971 | 11 701 | 12 867 | 15 539 | 18 028 | 43 | 0 | 326 | 6 708 | 10 994 | 22 064 |
| B01AC09 | epoprostenol | 8 | 11 | 9 | 7 | 9 | 56 | <5 | <5 | 5 | 0 | 10 354 |
| B01AC11 | iloprost | 9 | 6 | 10 | 5 | <5 | 50 | 0 | <5 | <5 | <5 | 1 289 |
| B01AC21 | treprostinil | 0 | 0 | 0 | 8 | 9 | 89 | 0 | 6 | <5 | 0 | 15 962 |
| B01AC30 | combinations | 1 637 | 1 488 | 1 440 | 1 331 | 2 217 | 46 | 0 | 58 | 969 | 1 190 | 2 281 |
| B01AD | Enzymes | 0 | 0 | 0 | 0 | <5 | 100 | <5 | 0 | 0 | 0 | 1 004 |
| B01AD02 | alteplase | 0 | 0 | 0 | 0 | <5 | 100 | <5 | 0 | 0 | 0 | 1 004 |
| B01AE | Direct thrombin inhibitors | <5 | 758 | 166 | 0 | <5 | 100 | 0 | 0 | 0 | <5 | 2 |
| B01AE05 | ximelagatran | <5 | 758 | 166 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| B01AE07 | dabigatran etexilate | 0 | 0 | 0 | 0 | <5 | 100 | 0 | 0 | 0 | <5 | 2 |
| B01AX | Other antithrombotic agents | <5 | <5 | <5 | 7 | 7 | 57 | 0 | <5 | <5 | <5 | 32 |
| B01AX05 | fondaparinux | <5 | <5 | <5 | 7 | 7 | 57 | 0 | <5 | <5 | <5 | 32 |
| B02 | ANTIHEMORRHAGICS | 11 656 | 12 012 | 11 795 | 12 222 | 12 566 | 92 | 252 | 6 157 | 5 569 | 588 | 126 638 |
| B02A | ANTIFIBRINOLYTICS | 11 372 | 11 711 | 11 501 | 11 870 | 12 177 | 94 | 153 | 5 971 | 5 502 | 551 | 17 388 |
| B02AA | Amino acids | 11 353 | 11 689 | 11 480 | 11 846 | 12 154 | 94 | 151 | 5 960 | 5 493 | 550 | 4 254 |
| B02AA02 | tranexamic acid | 11 353 | 11 689 | 11 480 | 11 846 | 12 154 | 94 | 151 | 5 960 | 5 493 | 550 | 4 254 |
| B02AB | Proteinase inhibitors | 23 | 28 | 30 | 33 | 30 | 67 | <5 | 16 | 11 | <5 | 13 133 |
| B02AB02 | alfa1 antitrypsin | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 639 |
| B02AB03 | c1-inhibitor | 22 | 27 | 29 | 32 | 29 | 66 | <5 | 15 | 11 | <5 | 12 495 |

ATC group B

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|----------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| B02B | VITAMIN K AND OTHER HEMOSTATICS | 308 | 330 | 348 | 396 | 446 | 43 | 108 | 209 | 90 | 39 | 109 250 |
| B02BA | Vitamin K | 238 | 231 | 195 | 224 | 258 | 68 | 72 | 106 | 46 | 34 | 149 |
| B02BA01 | phytomenadione | 238 | 231 | 195 | 224 | 258 | 68 | 72 | 106 | 46 | 34 | 149 |
| B02BD | Blood coagulation factors | 70 | 99 | 153 | 172 | 188 | 8 | 36 | 103 | 44 | 5 | 109 101 |
| B02BD01 | coagulation factor IX, II, VII and X in combination | 0 | 0 | 0 | 0 | <5 | 50 | 0 | <5 | 0 | 0 | 191 |
| B02BD02 | coagulation factor VIII | 55 | 71 | 115 | 122 | 138 | 1 | 30 | 75 | 31 | <5 | 76 020 |
| B02BD03 | factor VIII inhibitor bypassing activity | 7 | 5 | 8 | 7 | 8 | 0 | 0 | <5 | <5 | <5 | 16 300 |
| B02BD04 | coagulation factor IX | 0 | 8 | 17 | 26 | 23 | 0 | 6 | 12 | <5 | <5 | 8 762 |
| B02BD06 | von Willebrand factor and coagulation factor VIII in combination | <5 | 9 | 7 | 8 | 14 | 64 | 0 | 9 | 5 | 0 | 6 893 |
| B02BD08 | eptacog alfa (activated) | 6 | 7 | 6 | 9 | <5 | 75 | 0 | <5 | <5 | 0 | 935 |
| B03 | ANTIANEMIC PREPARATIONS | 102 404 | 108 359 | 108 857 | 112 780 | 113 019 | 65 | 1 800 | 21 740 | 38 596 | 50 883 | 130 365 |
| B03A | IRON PREPARATIONS | 15 952 | 16 709 | 17 566 | 18 677 | 19 976 | 66 | 1 203 | 4 881 | 3 939 | 9 953 | 4 917 |
| B03AA | Iron bivalent, oral preparations | 14 754 | 15 629 | 16 454 | 17 490 | 18 680 | 65 | 1 199 | 4 220 | 3 515 | 9 746 | 3 239 |
| B03AA01 | ferrous glycine sulfate ¹⁾ | 674 | 1 260 | 1 412 | 1 708 | 2 024 | 67 | 40 | 613 | 486 | 885 | 776 |
| B03AA02 | ferrous fumarate ¹⁾ | 1 132 | 1 233 | 1 292 | 1 205 | 1 316 | 50 | 970 | 172 | 43 | 131 | 169 |
| B03AA03 | ferrous gluconate | 0 | 0 | 0 | 0 | 10 | 70 | <5 | <5 | <5 | <5 | 2 |
| B03AA06 | ferrous succinate | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| B03AA07 | ferrous sulfate ¹⁾ | 13 034 | 13 222 | 13 826 | 14 689 | 15 491 | 66 | 194 | 3 454 | 3 000 | 8 843 | 2 293 |
| B03AC | Iron trivalent, parenteral preparations | 1 266 | 1 143 | 1 181 | 1 255 | 1 386 | 83 | <5 | 691 | 446 | 245 | 1 678 |
| B03AC02 | saccharated iron oxide | 297 | 286 | 301 | 302 | 296 | 74 | <5 | 131 | 99 | 64 | 507 |
| B03AC03 | iron-sorbitol-citric acid complex | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| B03AC06 | ferric oxide dextran complex | 981 | 864 | 886 | 963 | 1 105 | 86 | <5 | 566 | 354 | 183 | 1 171 |
| B03AD | Iron in combination with folic acid | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| B03AD03 | ferrous sulfate | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| B03B | VITAMIN B12 AND FOLIC ACID | 87 544 | 92 793 | 92 279 | 95 294 | 94 412 | 65 | 651 | 17 415 | 34 429 | 41 917 | 25 814 |
| B03BA | Vitamin B12 (cyanocobalamin and analogues) | 65 811 | 68 077 | 65 996 | 66 970 | 65 328 | 66 | 76 | 11 461 | 21 474 | 32 317 | 15 422 |
| B03BA01 | cyanocobalamin | 5 494 | 5 743 | 5 819 | 5 379 | 5 673 | 67 | 16 | 1 504 | 1 987 | 2 166 | 1 266 |
| B03BA02 | cyanocobalamin tannin complex | 35 752 | 36 736 | 34 861 | 35 655 | 34 170 | 66 | 25 | 5 972 | 11 014 | 17 159 | 7 939 |
| B03BA03 | hydroxocobalamin | 26 572 | 27 480 | 27 325 | 27 726 | 27 311 | 66 | 42 | 4 379 | 9 095 | 13 795 | 6 077 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group B

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| B03BA05 | mecobalamin | 7 | 19 | 19 | 26 | 26 | 77 | 0 | 12 | 12 | <5 | 141 |
| B03BB | Folic acid and derivatives | 27 549 | 30 968 | 31 750 | 33 575 | 33 932 | 62 | 582 | 6 530 | 14 347 | 12 473 | 10 391 |
| B03BB01 | folic acid ¹⁾ | 27 549 | 30 968 | 31 750 | 33 575 | 33 932 | 62 | 582 | 6 530 | 14 347 | 12 473 | 10 391 |
| B03X | OTHER ANTIANEMIC PREPARATIONS | 2 655 | 2 957 | 3 318 | 3 498 | 3 492 | 40 | 19 | 369 | 1 234 | 1 870 | 99 634 |
| B03XA | Other antianemic preparations | 2 655 | 2 957 | 3 318 | 3 498 | 3 492 | 40 | 19 | 369 | 1 234 | 1 870 | 99 634 |
| B03XA01 | erythropoietin | 1 306 | 1 011 | 902 | 867 | 680 | 43 | 5 | 64 | 233 | 378 | 18 298 |
| B03XA02 | darbepoetin alfa | 1 449 | 2 013 | 2 473 | 2 670 | 2 689 | 39 | 14 | 295 | 955 | 1 425 | 76 615 |
| B03XA03 | methoxy polyethylene glycol-epoetin beta | 0 | 0 | 0 | 7 | 228 | 31 | 0 | 24 | 84 | 120 | 4 721 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

3.6 ATC group C – Cardiovascular system

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|-------|--------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| C01 | CARDIAC THERAPY | 140 813 | 136 852 | 134 588 | 130 272 | 129 168 | 49 | 2 475 | 6 595 | 40 910 | 79 188 | 79 476 |
| C01A | CARDIAC GLYCOSIDES | 31 381 | 30 391 | 29 457 | 28 122 | 26 976 | 50 | 49 | 214 | 4 775 | 21 938 | 4 473 |
| C01AA | Digitalis glycosides | 31 381 | 30 391 | 29 457 | 28 122 | 26 976 | 50 | 49 | 214 | 4 775 | 21 938 | 4 473 |
| C01AA04 | digitoxin | 29 883 | 28 973 | 28 140 | 26 918 | 25 861 | 50 | <5 | 178 | 4 535 | 21 147 | 4 264 |
| C01AA05 | digoxin | 1 522 | 1 442 | 1 342 | 1 223 | 1 142 | 48 | 48 | 37 | 248 | 809 | 208 |
| C01B | ANTIARRHYTHMICS, CLASS I AND III | 7 381 | 8 020 | 8 536 | 9 187 | 9 838 | 35 | 29 | 505 | 5 176 | 4 128 | 19 637 |
| C01BA | Antiarrhythmics, class Ia | 276 | 253 | 228 | 202 | 182 | 48 | 0 | 5 | 76 | 101 | 468 |
| C01BA01 | quinidine | 23 | 20 | 18 | 9 | 5 | 100 | 0 | 0 | <5 | <5 | 28 |
| C01BA03 | disopyramide | 254 | 233 | 210 | 193 | 177 | 46 | 0 | 5 | 74 | 98 | 439 |
| C01BB | Antiarrhythmics, class Ib | 36 | 46 | 31 | 33 | 26 | 42 | 0 | 9 | 12 | 5 | 99 |
| C01BB02 | mexiletine | 36 | 46 | 31 | 33 | 26 | 42 | 0 | 9 | 12 | 5 | 99 |
| C01BC | Antiarrhythmics, class Ic | 3 950 | 4 412 | 4 708 | 5 112 | 5 499 | 39 | 27 | 407 | 3 466 | 1 599 | 14 765 |
| C01BC03 | propafenone | <5 | <5 | <5 | <5 | <5 | 50 | 0 | 0 | <5 | <5 | 10 |
| C01BC04 | flecainide | 3 946 | 4 408 | 4 707 | 5 111 | 5 497 | 39 | 27 | 407 | 3 465 | 1 598 | 14 754 |
| C01BD | Antiarrhythmics, class III | 3 223 | 3 433 | 3 696 | 3 964 | 4 251 | 29 | <5 | 91 | 1 702 | 2 455 | 4 305 |
| C01BD01 | amiodarone | 3 223 | 3 433 | 3 696 | 3 964 | 4 251 | 29 | <5 | 91 | 1 702 | 2 455 | 4 305 |
| C01C | CARDIAC STIMULANTS EXCL. CARDIAC GLYCOSIDES | 7 622 | 7 936 | 9 679 | 9 468 | 12 086 | 59 | 2 393 | 4 444 | 4 415 | 834 | 7 685 |
| C01CA | Adrenergic and dopaminergic agents | 7 622 | 7 936 | 9 679 | 9 468 | 12 086 | 59 | 2 393 | 4 444 | 4 415 | 834 | 7 685 |
| C01CA01 | etilefrine | 381 | 185 | 148 | 131 | 114 | 61 | 0 | 32 | 43 | 39 | 220 |
| C01CA03 | norepinephrine | 0 | 0 | 0 | 0 | <5 | 100 | 0 | 0 | <5 | 0 | 1 |
| C01CA17 | midodrine | 0 | 7 | 10 | 18 | 14 | 57 | 0 | 8 | 5 | <5 | 140 |
| C01CA24 | epinephrine | 7 243 | 7 745 | 9 524 | 9 321 | 11 959 | 59 | 2 393 | 4 405 | 4 367 | 794 | 7 324 |
| C01D | VASODILATORS USED IN CARDIAC DISEASES | 104 396 | 99 900 | 95 762 | 91 752 | 88 177 | 49 | <5 | 1 443 | 27 953 | 58 778 | 47 426 |
| C01DA | Organic nitrates | 104 396 | 99 900 | 95 762 | 91 752 | 88 177 | 49 | <5 | 1 443 | 27 953 | 58 778 | 47 426 |
| C01DA02 | glyceryl trinitrate | 79 759 | 76 664 | 73 614 | 70 657 | 68 329 | 48 | <5 | 1 376 | 24 277 | 42 673 | 12 565 |
| C01DA08 | isosorbide dinitrate | 6 592 | 5 482 | 4 591 | 3 818 | 3 249 | 56 | 0 | 12 | 428 | 2 809 | 2 785 |
| C01DA14 | isosorbide mononitrate | 47 598 | 44 899 | 42 496 | 40 169 | 37 939 | 52 | 0 | 153 | 7 646 | 30 140 | 32 076 |
| C01E | OTHER CARDIAC PREPARATIONS | 56 | 49 | 99 | 146 | 132 | 68 | <5 | 34 | 70 | 25 | 256 |
| C01EB | Other cardiac preparations | 56 | 49 | 99 | 146 | 132 | 68 | <5 | 34 | 70 | 25 | 256 |
| C01EB09 | ubidecarenone | 48 | 43 | 92 | 133 | 122 | 69 | <5 | 32 | 64 | 23 | 243 |
| C01EB15 | trimetazidine | 8 | 6 | 7 | 13 | 10 | 60 | 0 | <5 | 6 | <5 | 13 |
| C02 | ANTIHYPERTENSIVES | 26 570 | 19 125 | 17 921 | 17 294 | 17 728 | 29 | 13 | 899 | 8 142 | 8 674 | 44 096 |
| C02A | ANTIADRENERGIC AGENTS, CENTRALLY ACTING | 6 310 | 6 264 | 6 563 | 6 876 | 7 076 | 46 | <5 | 641 | 3 793 | 2 640 | 6 697 |
| C02AB | Methyldopa | 1 284 | 1 166 | 1 154 | 1 131 | 1 080 | 67 | 0 | 352 | 306 | 422 | 742 |

ATC group C

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|---------------|----------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| C02AB01 | methyldopa (levorotatory) | 1 284 | 1 166 | 1 154 | 1 131 | 1 080 | 67 | 0 | 352 | 306 | 422 | 742 |
| C02AC | Imidazoline receptor agonists | 5 089 | 5 155 | 5 465 | 5 813 | 6 082 | 42 | <5 | 297 | 3 533 | 2 250 | 5 955 |
| C02AC01 | clonidine | 50 | 68 | 74 | 73 | 74 | 49 | <5 | 20 | 41 | 12 | 112 |
| C02AC05 | moxonidine | 5 039 | 5 087 | 5 393 | 5 741 | 6 008 | 42 | <5 | 277 | 3 492 | 2 238 | 5 843 |
| C02C | ANTIADRENERGIC AGENTS, PERIPHERALLY ACTING | 20 560 | 13 002 | 11 497 | 10 575 | 10 885 | 17 | <5 | 252 | 4 554 | 6 078 | 14 795 |
| C02CA | Alpha-adrenoreceptor antagonists | 20 560 | 13 002 | 11 497 | 10 575 | 10 885 | 17 | <5 | 252 | 4 554 | 6 078 | 14 795 |
| C02CA04 | doxazosin | 20 560 | 13 002 | 11 497 | 10 575 | 10 885 | 17 | <5 | 252 | 4 554 | 6 078 | 14 795 |
| C02D | ARTERIOLAR SMOOTH MUSCLE, AGENTS ACTING ON | 264 | 298 | 320 | 339 | 329 | 37 | 0 | 20 | 146 | 163 | 446 |
| C02DB | Hydrazinophthalazine derivatives | 235 | 263 | 283 | 302 | 298 | 39 | 0 | 15 | 122 | 161 | 208 |
| C02DB02 | hydralazine | 235 | 263 | 283 | 302 | 298 | 39 | 0 | 15 | 122 | 161 | 208 |
| C02DC | Pyrimidine derivatives | 30 | 36 | 37 | 40 | 31 | 19 | 0 | 5 | 24 | <5 | 238 |
| C02DC01 | minoxidil | 30 | 36 | 37 | 40 | 31 | 19 | 0 | 5 | 24 | <5 | 238 |
| C02K | OTHER ANTIHYPERTENSIVES | 89 | 98 | 94 | 89 | 105 | 69 | 10 | 26 | 56 | 13 | 22 158 |
| C02KD | Serotonin antagonists | 43 | 37 | 24 | 21 | 21 | 95 | 0 | 5 | 13 | <5 | 643 |
| C02KD01 | ketanserin | 43 | 37 | 24 | 21 | 21 | 95 | 0 | 5 | 13 | <5 | 643 |
| C02KX | Other antihypertensives | 47 | 64 | 72 | 69 | 85 | 62 | 10 | 22 | 43 | 10 | 21 515 |
| C02KX01 | bosentan | 47 | 64 | 72 | 69 | 83 | 61 | 10 | 21 | 42 | 10 | 20 928 |
| C02KX02 | ambrisentan | 0 | 0 | 0 | 0 | <5 | 100 | 0 | <5 | <5 | 0 | 367 |
| C02KX03 | sitaxentan | 0 | 0 | 0 | 0 | <5 | 100 | 0 | 0 | <5 | 0 | 220 |
| C03 | DIURETICS | 193 506 | 204 735 | 218 210 | 225 131 | 233 414 | 61 | 234 | 12 266 | 91 964 | 128 950 | 86 411 |
| C03A | LOW-CEILING DIURETICS, THIAZIDES | 33 463 | 43 334 | 53 817 | 61 857 | 71 735 | 59 | 7 | 4 963 | 38 394 | 28 371 | 26 171 |
| C03AA | Thiazides, plain | 20 657 | 26 234 | 33 181 | 38 189 | 44 404 | 57 | <5 | 3 317 | 24 440 | 16 644 | 13 042 |
| C03AA01 | bendroflumethiazide | 13 001 | 17 022 | 22 562 | 26 164 | 30 722 | 57 | <5 | 2 353 | 16 991 | 11 377 | 8 131 |
| C03AA03 | hydrochlorothiazide | 7 719 | 9 283 | 10 701 | 12 096 | 13 749 | 57 | <5 | 973 | 7 482 | 5 292 | 4 911 |
| C03AB | Thiazides and potassium in combination | 13 426 | 17 922 | 21 623 | 24 862 | 28 771 | 63 | <5 | 1 760 | 14 692 | 12 315 | 13 129 |
| C03AB01 | bendroflumethiazide and potassium | 13 426 | 17 922 | 21 623 | 24 862 | 28 771 | 63 | <5 | 1 760 | 14 692 | 12 315 | 13 129 |
| C03B | LOW-CEILING DIURETICS, EXCL. THIAZIDES | 7 | 5 | 5 | 5 | 6 | 50 | 0 | <5 | <5 | <5 | 22 |
| C03BA | Sulfonamides, plain | 7 | 5 | 5 | 5 | 6 | 50 | 0 | <5 | <5 | <5 | 22 |
| C03BA04 | chlortalidone | 5 | <5 | <5 | 5 | 6 | 50 | 0 | <5 | <5 | <5 | 22 |
| C03BA08 | metolazone | <5 | <5 | <5 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| C03C | HIGH-CEILING DIURETICS | 128 119 | 128 290 | 129 781 | 128 569 | 128 321 | 61 | 210 | 5 697 | 37 112 | 85 302 | 42 671 |
| C03CA | Sulfonamides, plain | 127 700 | 127 860 | 129 607 | 128 569 | 128 321 | 61 | 210 | 5 697 | 37 112 | 85 302 | 42 671 |

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|---------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| C03CA01 | furosemide | 115 698 | 112 575 | 110 775 | 106 949 | 104 503 | 63 | 210 | 5 095 | 31 329 | 67 869 | 23 983 |
| C03CA02 | bumetanide | 15 898 | 19 809 | 23 649 | 26 364 | 28 662 | 53 | <5 | 718 | 6 835 | 21 108 | 18 668 |
| C03CA04 | torasemide | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 20 |
| C03CB | Sulfonamides and potassium in combination | 590 | 622 | 498 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| C03CB02 | bumetanide and potassium | 590 | 622 | 498 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| C03D | POTASSIUM-SPARING AGENTS | 15 493 | 16 017 | 16 416 | 16 807 | 17 244 | 52 | 26 | 750 | 6 188 | 10 280 | 11 033 |
| C03DA | Aldosterone antagonists | 15 469 | 15 995 | 16 401 | 16 794 | 17 230 | 52 | 26 | 750 | 6 177 | 10 277 | 10 965 |
| C03DA01 | spironolactone | 15 458 | 15 898 | 16 142 | 16 388 | 16 741 | 53 | 26 | 718 | 5 895 | 10 102 | 7 242 |
| C03DA02 | potassium canrenoate | 0 | 0 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| C03DA04 | eplerenone | 24 | 167 | 321 | 453 | 576 | 14 | 0 | 40 | 332 | 204 | 3 722 |
| C03DB | Other potassium-sparing agents | 28 | 28 | 17 | 16 | 14 | 14 | 0 | 0 | 11 | <5 | 69 |
| C03DB01 | amiloride | 28 | 28 | 17 | 16 | 14 | 14 | 0 | 0 | 11 | <5 | 69 |
| C03E | DIURETICS AND POTASSIUM-SPARING AGENTS IN COMBINATION | 33 740 | 34 745 | 36 325 | 36 308 | 35 301 | 66 | <5 | 1 402 | 16 225 | 17 670 | 6 514 |
| C03EA | Low-ceiling diuretics and potassium-sparing agents | 33 740 | 34 745 | 36 325 | 36 308 | 35 301 | 66 | <5 | 1 402 | 16 225 | 17 670 | 6 514 |
| C03EA01 | hydrochlorothiazide and potassium-sparing agents | 33 740 | 34 745 | 36 325 | 36 308 | 35 301 | 66 | <5 | 1 402 | 16 225 | 17 670 | 6 514 |
| C04 | PERIPHERAL VASODILATORS | 2 378 | 2 100 | 1 825 | 1 718 | 1 519 | 47 | 0 | 22 | 372 | 1 125 | 1 634 |
| C04A | PERIPHERAL VASODILATORS | 2 378 | 2 100 | 1 825 | 1 718 | 1 519 | 47 | 0 | 22 | 372 | 1 125 | 1 634 |
| C04AC | Nicotinic acid and derivatives | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| C04AC01 | nicotinic acid | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| C04AD | Purine derivatives | 2 371 | 2 088 | 1 819 | 1 715 | 1 515 | 47 | 0 | 22 | 368 | 1 125 | 1 624 |
| C04AD03 | pentoxifylline | 2 371 | 2 088 | 1 819 | 1 715 | 1 515 | 47 | 0 | 22 | 368 | 1 125 | 1 624 |
| C04AX | Other peripheral vasodilators | 6 | 11 | 6 | <5 | <5 | 75 | 0 | 0 | <5 | 0 | 10 |
| C04AX01 | cyclandelate | 0 | <5 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| C04AX02 | phenoxybenzamine | 6 | 10 | <5 | <5 | <5 | 75 | 0 | 0 | <5 | 0 | 10 |
| C05 | VASOPROTECTIVES | 52 342 | 52 760 | 54 944 | 54 298 | 54 793 | 57 | 754 | 21 326 | 22 365 | 10 348 | 8 588 |
| C05A | AGENTS FOR TREATMENT OF HEMORRHOIDS AND ANAL FISSURES FOR TOPICAL USE | 46 454 | 47 032 | 48 901 | 48 809 | 49 481 | 56 | 730 | 20 371 | 20 206 | 8 174 | 7 461 |
| C05AA | Corticosteroids | 46 008 | 46 518 | 48 226 | 48 011 | 48 314 | 56 | 712 | 19 875 | 19 721 | 8 006 | 6 290 |
| C05AA01 | hydrocortisone ¹⁾ | 14 729 | 14 399 | 14 664 | 11 923 | 9 885 | 54 | 293 | 3 736 | 4 123 | 1 733 | 1 908 |
| C05AA04 | prednisolone ¹⁾ | 33 166 | 33 617 | 35 197 | 38 315 | 40 174 | 56 | 435 | 16 898 | 16 265 | 6 576 | 4 382 |
| C05AE | Muscle relaxants | 243 | 291 | 440 | 662 | 1 356 | 50 | 10 | 606 | 622 | 118 | 978 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group C

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|----------------|----------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| C05AE01 | glyceryl trinitrate | 243 | 291 | 440 | 662 | 1 356 | 50 | 10 | 606 | 622 | 118 | 978 |
| C05AX | Other agents for treatment of hemorrhoids and anal fissures for topical use | 480 | 565 | 805 | 993 | 982 | 40 | 9 | 410 | 409 | 154 | 193 |
| C05AX03 | other preparations, combinations | 480 | 559 | 783 | 974 | 952 | 39 | 9 | 397 | 394 | 152 | 143 |
| C05B | ANTIVARICOSE THERAPY | 6 117 | 5 948 | 6 255 | 5 655 | 5 533 | 69 | 24 | 1 002 | 2 241 | 2 266 | 1 127 |
| C05BA | Heparins or heparinoids for topical use | 6 112 | 5 946 | 6 249 | 5 646 | 5 529 | 69 | 24 | 1 002 | 2 237 | 2 266 | 1 123 |
| C05BA01 | organo-heparinoid ¹⁾ | 6 085 | 5 922 | 6 225 | 5 619 | 5 503 | 69 | 24 | 1 000 | 2 219 | 2 260 | 574 |
| C05BA04 | pentosan polysulfate sodium | 27 | 24 | 25 | 27 | 26 | 92 | 0 | <5 | 18 | 6 | 549 |
| C05BB | Sclerosing agents for local injection | 5 | <5 | 6 | 9 | <5 | 50 | 0 | 0 | <5 | 0 | 4 |
| C05BB02 | polidocanol | 5 | <5 | 6 | 9 | <5 | 50 | 0 | 0 | <5 | 0 | 4 |
| C07 | BETA BLOCKING AGENTS | 309 758 | 322 256 | 334 495 | 343 718 | 351 097 | 50 | 353 | 19 524 | 161 410 | 169 810 | 187 999 |
| C07A | BETA BLOCKING AGENTS | 307 736 | 318 880 | 329 971 | 338 377 | 345 692 | 50 | 353 | 19 109 | 158 022 | 168 208 | 183 414 |
| C07AA | Beta blocking agents, non-selective | 33 164 | 30 743 | 29 263 | 28 163 | 27 291 | 57 | 184 | 4 321 | 11 672 | 11 114 | 14 442 |
| C07AA03 | pindolol | 46 | 40 | 38 | 35 | 31 | 68 | 0 | <5 | 10 | 18 | 79 |
| C07AA05 | propranolol | 17 428 | 16 069 | 15 955 | 15 986 | 16 358 | 64 | 175 | 3 913 | 7 654 | 4 616 | 6 837 |
| C07AA06 | timolol | 2 134 | 1 847 | 1 625 | 1 463 | 1 336 | 54 | <5 | 148 | 561 | 625 | 1 152 |
| C07AA07 | sotalol | 14 003 | 12 908 | 11 730 | 10 744 | 9 624 | 46 | 5 | 252 | 3 481 | 5 886 | 6 353 |
| C07AA12 | nadolol | 6 | 6 | 5 | 8 | 12 | 50 | <5 | 9 | <5 | 0 | 22 |
| C07AB | Beta blocking agents, selective | 256 105 | 268 068 | 280 610 | 290 440 | 298 488 | 50 | 155 | 13 045 | 136 294 | 148 994 | 150 358 |
| C07AB02 | metoprolol | 189 286 | 209 280 | 224 281 | 235 285 | 243 780 | 48 | 128 | 10 717 | 111 923 | 121 012 | 126 465 |
| C07AB03 | atenolol | 67 324 | 57 960 | 51 204 | 46 630 | 42 781 | 58 | 25 | 1 785 | 18 869 | 22 102 | 13 060 |
| C07AB07 | bisoprolol | 3 459 | 5 913 | 8 799 | 12 009 | 15 433 | 46 | <5 | 700 | 7 085 | 7 644 | 10 833 |
| C07AG | Alpha and beta blocking agents | 25 536 | 25 594 | 25 222 | 24 755 | 24 608 | 46 | 18 | 2 057 | 12 210 | 10 323 | 18 613 |
| C07AG01 | labetalol | 1 944 | 1 973 | 2 033 | 2 157 | 2 164 | 75 | <5 | 1 146 | 568 | 448 | 2 434 |
| C07AG02 | carvedilol | 23 629 | 23 650 | 23 215 | 22 633 | 22 464 | 43 | 16 | 916 | 11 649 | 9 883 | 16 179 |
| C07B | BETA BLOCKING AGENTS AND THIAZIDES | 2 520 | 4 035 | 5 092 | 5 873 | 5 957 | 54 | 0 | 446 | 3 672 | 1 839 | 4 585 |
| C07BB | Beta blocking agents, selective, and thiazides | 2 520 | 4 035 | 5 092 | 5 873 | 5 957 | 54 | 0 | 446 | 3 672 | 1 839 | 4 585 |
| C07BB07 | bisoprolol and thiazides | 2 520 | 4 035 | 5 092 | 5 873 | 5 957 | 54 | 0 | 446 | 3 672 | 1 839 | 4 585 |
| C08 | CALCIUM CHANNEL BLOCKERS | 180 338 | 186 466 | 193 563 | 200 853 | 208 090 | 49 | 55 | 8 025 | 98 326 | 101 684 | 183 059 |
| C08C | SELECTIVE CALCIUM CHANNEL BLOCKERS WITH MAINLY VASCULAR EFFECTS | 150 318 | 158 110 | 166 923 | 175 988 | 184 726 | 48 | 46 | 7 266 | 89 686 | 87 728 | 156 716 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|----------------|----------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| C08CA | Dihydropyridine derivatives | 150 318 | 158 110 | 166 923 | 175 988 | 184 726 | 48 | 46 | 7 266 | 89 686 | 87 728 | 156 716 |
| C08CA01 | amlodipine | 103 523 | 106 736 | 109 210 | 111 161 | 113 367 | 47 | 11 | 3 701 | 54 490 | 55 165 | 55 957 |
| C08CA02 | felodipine | 19 311 | 18 854 | 18 312 | 17 747 | 17 071 | 51 | <5 | 403 | 7 643 | 9 024 | 13 093 |
| C08CA03 | isradipine | 765 | 766 | 742 | 693 | 682 | 55 | 0 | 24 | 310 | 348 | 1 310 |
| C08CA05 | nifedipine | 22 208 | 23 414 | 24 842 | 26 438 | 28 211 | 49 | 35 | 2 045 | 13 579 | 12 552 | 40 235 |
| C08CA06 | nimodipine | 33 | 41 | 30 | 35 | 35 | 43 | 0 | 8 | 20 | 7 | 36 |
| C08CA13 | lercanidipine | 6 690 | 10 966 | 16 904 | 23 452 | 28 879 | 51 | <5 | 1 256 | 15 374 | 12 248 | 46 085 |
| C08D | SELECTIVE CALCIUM CHANNEL BLOCKERS WITH DIRECT CARDIAC EFFECTS | 31 536 | 29 773 | 28 026 | 26 221 | 24 703 | 55 | 9 | 781 | 9 152 | 14 761 | 26 342 |
| C08DA | Phenylalkylamine derivatives | 22 155 | 21 250 | 20 246 | 19 130 | 18 165 | 56 | 9 | 693 | 6 466 | 10 997 | 13 094 |
| C08DA01 | verapamil | 22 155 | 21 250 | 20 246 | 19 130 | 18 165 | 56 | 9 | 693 | 6 466 | 10 997 | 13 094 |
| C08DB | Benzothiazepine derivatives | 9 447 | 8 597 | 7 858 | 7 159 | 6 618 | 54 | 0 | 90 | 2 713 | 3 815 | 13 249 |
| C08DB01 | diltiazem | 9 447 | 8 597 | 7 858 | 7 159 | 6 618 | 54 | 0 | 90 | 2 713 | 3 815 | 13 249 |
| C09 | AGENTS ACTING ON THE RENIN-ANGIOTENSIN SYSTEM | 364 356 | 384 732 | 406 862 | 430 062 | 451 991 | 49 | 250 | 25 354 | 240 278 | 186 109 | 915 157 |
| C09A | ACE INHIBITORS, PLAIN | 118 442 | 117 976 | 118 903 | 120 667 | 123 255 | 43 | 217 | 6 313 | 54 177 | 62 548 | 68 883 |
| C09AA | ACE inhibitors, plain | 118 442 | 117 976 | 118 903 | 120 667 | 123 255 | 43 | 217 | 6 313 | 54 177 | 62 548 | 68 883 |
| C09AA01 | captopril | 5 838 | 5 167 | 4 456 | 3 987 | 3 498 | 45 | 33 | 130 | 1 278 | 2 057 | 4 184 |
| C09AA02 | enalapril | 42 951 | 42 012 | 41 744 | 41 789 | 42 558 | 48 | 180 | 2 387 | 18 688 | 21 303 | 18 427 |
| C09AA03 | lisinopril | 32 598 | 30 722 | 29 322 | 28 411 | 27 867 | 48 | <5 | 1 626 | 12 890 | 13 348 | 16 888 |
| C09AA05 | ramipril | 37 776 | 40 725 | 43 994 | 47 128 | 49 956 | 36 | 5 | 2 198 | 21 540 | 26 213 | 29 096 |
| C09AA10 | trandolapril | 71 | 103 | 117 | 117 | 119 | 29 | 0 | 6 | 72 | 41 | 288 |
| C09B | ACE INHIBITORS, COMBINATIONS | 36 677 | 36 424 | 36 040 | 35 745 | 35 673 | 50 | <5 | 1 172 | 17 863 | 16 637 | 28 906 |
| C09BA | ACE inhibitors and diuretics | 36 677 | 36 424 | 36 040 | 35 745 | 35 673 | 50 | <5 | 1 172 | 17 863 | 16 637 | 28 906 |
| C09BA02 | enalapril and diuretics | 19 656 | 19 737 | 19 795 | 19 811 | 20 117 | 50 | <5 | 696 | 10 137 | 9 283 | 16 336 |
| C09BA03 | lisinopril and diuretics | 17 054 | 16 718 | 16 265 | 15 960 | 15 585 | 50 | 0 | 476 | 7 740 | 7 369 | 12 570 |
| C09C | ANGIOTENSIN II ANTAGONISTS, PLAIN | 129 219 | 135 375 | 143 695 | 153 211 | 162 008 | 52 | 47 | 12 392 | 90 294 | 59 275 | 363 086 |
| C09CA | Angiotensin II antagonists, plain | 129 219 | 135 375 | 143 695 | 153 211 | 162 008 | 52 | 47 | 12 392 | 90 294 | 59 275 | 363 086 |
| C09CA01 | losartan | 44 499 | 43 733 | 43 822 | 44 601 | 44 001 | 52 | 21 | 2 273 | 22 710 | 18 997 | 105 793 |
| C09CA02 | eprosartan | 1 467 | 1 567 | 1 755 | 2 210 | 2 381 | 53 | 0 | 121 | 1 155 | 1 105 | 4 471 |
| C09CA03 | valsartan | 17 952 | 18 476 | 19 186 | 19 497 | 19 978 | 48 | 0 | 1 320 | 11 611 | 7 047 | 45 729 |
| C09CA04 | irbesartan | 24 469 | 24 463 | 24 321 | 23 784 | 23 382 | 50 | <5 | 1 472 | 13 736 | 8 172 | 57 110 |
| C09CA06 | candesartan | 41 042 | 46 908 | 53 496 | 60 228 | 67 383 | 53 | 24 | 6 760 | 37 961 | 22 638 | 136 986 |
| C09CA07 | telmisartan | 1 531 | 1 794 | 2 476 | 3 809 | 5 210 | 44 | 0 | 431 | 3 183 | 1 596 | 10 294 |

ATC group C

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|----------------|----------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| C09CA08 | olmesartan medoxomil | 0 | 87 | 399 | 1 094 | 1 532 | 51 | 0 | 161 | 953 | 418 | 2 702 |
| C09D | ANGIOTENSIN II ANTAGONISTS, COMBINATIONS | 115 043 | 130 058 | 144 645 | 158 603 | 172 131 | 51 | <5 | 7 791 | 100 601 | 63 737 | 454 217 |
| C09DA | Angiotensin II antagonists and diuretics | 115 043 | 130 058 | 144 645 | 157 755 | 168 312 | 51 | <5 | 7 507 | 98 268 | 62 535 | 442 981 |
| C09DA01 | losartan and diuretics | 55 676 | 58 516 | 61 122 | 63 361 | 64 439 | 54 | <5 | 2 308 | 35 565 | 26 565 | 168 494 |
| C09DA02 | eprosartan and diuretics | 26 | 421 | 889 | 1 427 | 1 838 | 50 | 0 | 121 | 1 013 | 704 | 4 020 |
| C09DA03 | valsartan and diuretics | 14 873 | 17 944 | 21 180 | 23 363 | 24 729 | 49 | <5 | 1 145 | 14 874 | 8 709 | 66 389 |
| C09DA04 | irbesartan and diuretics | 22 959 | 25 798 | 27 936 | 29 855 | 31 227 | 50 | 0 | 1 353 | 18 628 | 11 246 | 91 621 |
| C09DA06 | candesartan and diuretics | 22 842 | 28 492 | 34 108 | 39 094 | 43 821 | 51 | 0 | 2 444 | 26 723 | 14 654 | 103 120 |
| C09DA07 | telmisartan and diuretics | 580 | 913 | 1 461 | 2 415 | 3 316 | 41 | 0 | 188 | 2 105 | 1 023 | 7 986 |
| C09DA08 | olmesartan medoxomil and diuretics | 0 | 0 | 0 | 349 | 808 | 49 | 0 | 62 | 521 | 225 | 1 351 |
| C09DB | Angiotensin II antagonists and calcium channel blockers | 0 | 0 | 0 | 1 350 | 5 334 | 42 | 0 | 373 | 3 324 | 1 637 | 11 236 |
| C09DB01 | valsartan and amlodipine | 0 | 0 | 0 | 1 350 | 5 334 | 42 | 0 | 373 | 3 324 | 1 637 | 11 236 |
| C09X | OTHER AGENTS ACTING ON THE RENIN-ANGIOTENSIN SYSTEM | 0 | 0 | 0 | 0 | 46 | 30 | <5 | 8 | 26 | 11 | 65 |
| C09XA | Renin-inhibitors | 0 | 0 | 0 | 0 | 46 | 30 | <5 | 8 | 26 | 11 | 65 |
| C09XA02 | aliskiren | 0 | 0 | 0 | 0 | 46 | 30 | <5 | 8 | 26 | 11 | 65 |
| C10 | LIPID MODIFYING AGENTS | 306 138 | 331 972 | 363 051 | 398 152 | 425 060 | 47 | 74 | 19 958 | 235 265 | 169 763 | 568 184 |
| C10A | LIPID MODIFYING AGENTS, PLAIN | 306 138 | 331 972 | 363 050 | 397 792 | 424 451 | 47 | 74 | 19 936 | 234 821 | 169 620 | 566 575 |
| C10AA | HMG CoA reductase inhibitors | 304 365 | 329 952 | 360 893 | 395 238 | 420 868 | 47 | 65 | 19 396 | 232 756 | 168 651 | 500 202 |
| C10AA01 | simvastatin | 122 206 | 181 256 | 254 951 | 320 903 | 347 266 | 47 | 46 | 15 500 | 188 947 | 142 773 | 214 509 |
| C10AA02 | lovastatin | 3 000 | 2 688 | 2 107 | 1 884 | 1 711 | 56 | 0 | 30 | 716 | 965 | 3 661 |
| C10AA03 | pravastatin | 43 391 | 39 366 | 28 113 | 24 223 | 22 996 | 47 | 5 | 630 | 11 581 | 10 780 | 27 230 |
| C10AA04 | fluvastatin | 9 231 | 8 790 | 7 173 | 7 092 | 7 243 | 48 | <5 | 546 | 4 359 | 2 337 | 12 202 |
| C10AA05 | atorvastatin | 136 588 | 140 856 | 103 381 | 85 840 | 59 057 | 43 | 14 | 3 538 | 38 197 | 17 308 | 240 525 |
| C10AA07 | rosuvastatin | 0 | 0 | 22 | 234 | 347 | 43 | 0 | 67 | 259 | 21 | 2 075 |
| C10AB | Fibrates | 269 | 298 | 322 | 320 | 328 | 30 | 0 | 73 | 238 | 17 | 1 701 |
| C10AB02 | bezafibrate | 107 | 95 | 80 | 76 | 70 | 33 | 0 | 5 | 62 | <5 | 277 |
| C10AB04 | gemfibrozil | 96 | 92 | 93 | 102 | 105 | 25 | 0 | 26 | 71 | 8 | 920 |
| C10AB05 | fenofibrate | 71 | 119 | 151 | 143 | 156 | 31 | 0 | 43 | 107 | 6 | 503 |
| C10AC | Bile acid sequestrants | 2 112 | 2 132 | 2 153 | 2 086 | 2 116 | 53 | 8 | 400 | 1 139 | 569 | 6 662 |
| C10AC01 | colestyramine | 1 461 | 1 505 | 1 535 | 1 486 | 1 557 | 56 | 6 | 341 | 779 | 431 | 2 313 |
| C10AC02 | colestipol | 552 | 479 | 439 | 430 | 379 | 47 | <5 | 29 | 225 | 123 | 1 001 |
| C10AC04 | colesevelam | 108 | 166 | 197 | 183 | 197 | 40 | <5 | 33 | 147 | 16 | 3 348 |

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|--------------|--------------|--------------|---------------|--------------------|-------------------------------------|--------------|--------------|--------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| C10AD Nicotinic acid and derivatives | 73 | 100 | 175 | 230 | 232 | 27 | 0 | 36 | 176 | 20 | 680 |
| C10AD02 nicotinic acid | 42 | 76 | 154 | 211 | 214 | 27 | 0 | 36 | 160 | 18 | 564 |
| C10AD06 acipimox | 32 | 24 | 22 | 19 | 20 | 25 | 0 | 0 | 18 | <5 | 116 |
| C10AX Other lipid modifying agents | 2 578 | 3 543 | 4 534 | 7 990 | 12 532 | 43 | 5 | 1 299 | 8 760 | 2 468 | 57 330 |
| C10AX06 omega-3-triglycerides incl. other esters and acids | 1 666 | 1 949 | 2 039 | 2 192 | 2 399 | 26 | <5 | 388 | 1 729 | 281 | 20 125 |
| C10AX09 ezetimibe | 945 | 1 653 | 2 586 | 5 962 | 10 381 | 47 | <5 | 937 | 7 236 | 2 204 | 37 205 |
| C10B LIPID MODIFYING AGENTS, COMBINATIONS | 0 | 0 | <5 | <5 | <5 | 33 | 0 | <5 | <5 | <5 | 6 |
| C10BA HMG CoA reductase inhibitors in combination with other lipid modifying agents | 0 | 0 | <5 | <5 | <5 | 33 | 0 | <5 | <5 | <5 | 6 |
| C10BA02 simvastatin and ezetimibe | 0 | 0 | <5 | <5 | <5 | 33 | 0 | <5 | <5 | <5 | 6 |

3.7 ATC group D – Dermatologicals

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|---------|---------|---------|---------|--------------------|-------------------------------------|--------|--------|--------|-------------------|--------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15–44 | 45–69 | ≥70 | | | | | | | | |
| D01 | ANTIFUNGALS FOR DERMATOLOGICAL USE | 103 159 | 103 625 | 106 212 | 109 775 | 113 413 | 49 | 10 251 | 43 889 | 40 173 | 19 100 | 28 838 |
| D01A | ANTIFUNGALS FOR TOPICAL USE | 89 365 | 89 767 | 92 862 | 95 464 | 98 577 | 50 | 10 066 | 38 026 | 33 038 | 17 447 | 15 311 |
| D01AA | Antibiotics | 2 166 | 2 429 | 2 786 | 3 197 | 3 443 | 86 | 415 | 2 515 | 292 | 221 | 264 |
| D01AA01 | nystatin | 2 166 | 2 429 | 2 786 | 3 197 | 3 443 | 86 | 415 | 2 515 | 292 | 221 | 264 |
| D01AC | Imidazole and triazole derivatives | 64 455 | 65 360 | 68 171 | 70 647 | 73 238 | 49 | 7 867 | 26 665 | 24 626 | 14 080 | 8 938 |
| D01AC01 | clotrimazole ¹⁾ | 7 474 | 7 383 | 7 979 | 8 184 | 8 319 | 53 | 916 | 2 958 | 2 357 | 2 088 | 1 044 |
| D01AC02 | miconazole ¹⁾ | 2 377 | 2 316 | 2 247 | 2 082 | 1 921 | 48 | 246 | 754 | 584 | 337 | 299 |
| D01AC03 | econazole ¹⁾ | 2 186 | 2 232 | 2 326 | 2 226 | 2 190 | 52 | 187 | 737 | 715 | 551 | 291 |
| D01AC08 | ketoconazole ¹⁾ | 15 844 | 15 499 | 15 123 | 15 362 | 14 963 | 40 | 836 | 6 569 | 5 462 | 2 096 | 2 335 |
| D01AC20 | combinations ¹⁾ | 39 684 | 41 229 | 44 008 | 46 252 | 49 461 | 51 | 5 996 | 16 979 | 16 656 | 9 830 | 4 968 |
| D01AC60 | bifonazole, combinations | 16 | 7 | <5 | 0 | <5 | 100 | <5 | 0 | 0 | 0 | 0 |
| D01AE | Other antifungals for topical use | 25 546 | 24 626 | 24 777 | 24 528 | 24 858 | 47 | 2 044 | 10 000 | 9 095 | 3 719 | 6 109 |
| D01AE02 | methyrosaniline ¹⁾ | 776 | 694 | 645 | 661 | 699 | 58 | 221 | 166 | 161 | 151 | 64 |
| D01AE14 | ciclopirox ¹⁾ | 34 | 27 | 33 | 52 | 14 | 57 | <5 | 6 | <5 | <5 | 3 |
| D01AE15 | terbinafine ¹⁾ | 16 692 | 16 312 | 17 149 | 17 204 | 17 085 | 43 | 1 600 | 7 327 | 5 566 | 2 592 | 3 070 |
| D01AE16 | amorolfine | 8 434 | 7 947 | 7 351 | 6 978 | 7 450 | 56 | 249 | 2 642 | 3 533 | 1 026 | 2 972 |
| D01AE20 | combinations ¹⁾ | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D01B | ANTIFUNGALS FOR SYSTEMIC USE | 16 867 | 16 880 | 16 706 | 17 536 | 18 241 | 39 | 289 | 7 272 | 8 596 | 2 084 | 13 527 |
| D01BA | Antifungals for systemic use | 16 867 | 16 880 | 16 706 | 17 536 | 18 241 | 39 | 289 | 7 272 | 8 596 | 2 084 | 13 527 |
| D01BA01 | griseofulvin | 21 | 23 | 26 | 14 | 16 | 63 | 12 | <5 | <5 | <5 | 14 |
| D01BA02 | terbinafine | 16 853 | 16 859 | 16 686 | 17 527 | 18 229 | 39 | 279 | 7 271 | 8 595 | 2 084 | 13 513 |
| D02 | EMOLLIENTS AND PROTECTIVES | 1 425 | 1 448 | 1 361 | 1 572 | 1 744 | 51 | 234 | 525 | 630 | 355 | 395 |
| D02A | EMOLLIENTS AND PROTECTIVES | 1 425 | 1 448 | 1 361 | 1 572 | 1 744 | 51 | 234 | 525 | 630 | 355 | 395 |
| D02AB | Zinc products ¹⁾ | 10 | 18 | 16 | 8 | 10 | 80 | <5 | 0 | 5 | <5 | 1 |
| D02AE | Carbamide products | 38 | 68 | 44 | 222 | 458 | 52 | 64 | 136 | 146 | 112 | 175 |
| D02AE01 | carbamide ¹⁾ | 38 | 68 | 44 | 222 | 458 | 52 | 64 | 136 | 146 | 112 | 175 |
| D02AF | Salicylic acid preparations ¹⁾ | 1 371 | 1 360 | 1 298 | 1 274 | 1 192 | 51 | 128 | 371 | 463 | 230 | 183 |
| D02AX | Other emollients and protectives ¹⁾ | 8 | <5 | <5 | 76 | 93 | 51 | 43 | 20 | 18 | 12 | 36 |
| D03 | PREPARATIONS FOR TREATMENT OF WOUNDS AND ULCERS | 262 | 228 | 172 | 121 | 143 | 57 | 8 | 26 | 66 | 43 | 27 |
| D03A | CICATRIZANTS | 262 | 228 | 172 | 121 | 143 | 57 | 8 | 26 | 66 | 43 | 27 |
| D03AA | Cod-liver oil ointments ¹⁾ | 144 | 146 | 91 | 39 | 54 | 61 | 7 | 12 | 19 | 16 | 6 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group D

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|-------|--------|-------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| D03AX | Other cicatrizants | 118 | 82 | 81 | 82 | 89 | 54 | <5 | 14 | 47 | 27 | 20 |
| D03AX03 | dexpanthenol | 118 | 82 | 81 | 82 | 89 | 54 | <5 | 14 | 47 | 27 | 20 |
| D04 | ANTIPRURITICS, INCL. ANTIHISTAMINES, ANESTHETICS, ETC. | 2 316 | 2 907 | 2 978 | 2 993 | 3 177 | 64 | 352 | 1 155 | 803 | 867 | 455 |
| D04A | ANTIPRURITICS, INCL. ANTIHISTAMINES, ANESTHETICS, ETC. | 2 316 | 2 907 | 2 978 | 2 993 | 3 177 | 64 | 352 | 1 155 | 803 | 867 | 455 |
| D04AA | Antihistamines for topical use | 8 | 5 | 6 | 5 | <5 | 100 | 0 | <5 | <5 | <5 | 1 |
| D04AA02 | mepyramine | <5 | 0 | <5 | 0 | <5 | 100 | 0 | 0 | <5 | 0 | 0 |
| D04AA13 | dimetindene | 7 | 5 | 5 | 5 | <5 | 100 | 0 | <5 | 0 | <5 | 1 |
| D04AB | Anesthetics for topical use | 1 307 | 1 892 | 1 878 | 1 936 | 2 080 | 66 | 207 | 873 | 552 | 448 | 352 |
| D04AB01 | lidocaine ¹⁾ | 1 306 | 1 892 | 1 878 | 1 935 | 2 080 | 66 | 207 | 873 | 552 | 448 | 352 |
| D04AB06 | tetracaine ¹⁾ | <5 | 0 | 0 | <5 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| D04AX | Other antipruritics | 1 023 | 1 035 | 1 105 | 1 077 | 1 114 | 59 | 147 | 289 | 253 | 425 | 102 |
| D05 | ANTIPSORIATICS | 24 667 | 24 776 | 24 547 | 25 463 | 26 472 | 45 | 429 | 8 131 | 13 646 | 4 266 | 44 223 |
| D05A | ANTIPSORIATICS FOR TOPICAL USE | 23 582 | 23 723 | 23 414 | 24 285 | 25 232 | 45 | 421 | 7 869 | 12 860 | 4 082 | 38 076 |
| D05AA | Tars ¹⁾ | 900 | 944 | 933 | 956 | 1 006 | 58 | 75 | 340 | 370 | 221 | 263 |
| D05AC | Antracen derivatives | 231 | 206 | 167 | 109 | 15 | 67 | 0 | <5 | 10 | <5 | 4 |
| D05AC01 | dithranol | 231 | 206 | 167 | 109 | 15 | 67 | 0 | <5 | 10 | <5 | 4 |
| D05AD | Psoralens for topical use | 22 | <5 | 10 | 11 | 10 | 100 | 0 | 6 | <5 | 0 | 10 |
| D05AD01 | trioxysalen | 22 | <5 | 10 | 11 | 10 | 100 | 0 | 6 | <5 | 0 | 10 |
| D05AX | Other antipsoriatics for topical use | 22 736 | 22 858 | 22 573 | 23 425 | 24 419 | 44 | 350 | 7 614 | 12 575 | 3 880 | 37 798 |
| D05AX02 | calcipotriol | 14 635 | 14 482 | 13 491 | 11 689 | 9 894 | 46 | 183 | 2 988 | 5 001 | 1 722 | 9 154 |
| D05AX03 | calcitriol | 1 091 | 1 054 | 872 | 927 | 1 119 | 46 | 26 | 337 | 605 | 151 | 774 |
| D05AX52 | calcipotriol, combinations | 11 612 | 12 505 | 13 187 | 15 365 | 17 578 | 42 | 184 | 5 657 | 9 110 | 2 627 | 27 870 |
| D05B | ANTIPSORIATICS FOR SYSTEMIC USE | 1 625 | 1 585 | 1 637 | 1 669 | 1 760 | 44 | 10 | 416 | 1 086 | 248 | 6 147 |
| D05BA | Psoralens for systemic use | 179 | 79 | 68 | 59 | 34 | 53 | 0 | 10 | 19 | 5 | 41 |
| D05BA02 | methoxsalen | 179 | 68 | 58 | 55 | 28 | 54 | 0 | 8 | 16 | <5 | 25 |
| D05BA03 | bergapten | <5 | 11 | 10 | <5 | 7 | 43 | 0 | <5 | <5 | <5 | 16 |
| D05BB | Retinoids for treatment of psoriasis | 1 467 | 1 516 | 1 568 | 1 603 | 1 705 | 44 | 10 | 396 | 1 058 | 241 | 5 484 |
| D05BB02 | acitretin | 1 467 | 1 516 | 1 568 | 1 603 | 1 705 | 44 | 10 | 396 | 1 058 | 241 | 5 484 |
| D05BX | Other antipsoriatics for systemic use | <5 | 5 | 12 | 15 | 25 | 40 | 0 | 11 | 11 | <5 | 623 |
| D05BX51 | fumaric acid derivatives, combinations | <5 | 5 | 12 | 15 | 25 | 40 | 0 | 11 | 11 | <5 | 623 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group D

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|---|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|--------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| D06 ANTIBIOTICS AND CHEMOTHERAPEUTICS FOR DERMATOLOGICAL USE | 126 730 | 117 793 | 118 079 | 110 267 | 107 639 | 59 | 14 434 | 46 410 | 32 305 | 14 490 | 16 549 |
| D06A ANTIBIOTICS FOR TOPICAL USE | 67 020 | 57 648 | 57 846 | 55 449 | 56 962 | 56 | 11 885 | 17 779 | 17 281 | 10 017 | 4 654 |
| D06AA Tetracycline and derivatives | 2 669 | 3 130 | 3 025 | 3 003 | 2 825 | 55 | 432 | 874 | 964 | 555 | 164 |
| D06AA02 chlortetracycline | 45 | 36 | 33 | 26 | 16 | 38 | 0 | <5 | 9 | <5 | 3 |
| D06AA03 oxytetracycline | 2 625 | 3 096 | 2 992 | 2 977 | 2 809 | 55 | 432 | 871 | 955 | 551 | 161 |
| D06AX Other antibiotics for topical use | 64 537 | 54 722 | 54 992 | 52 601 | 54 306 | 56 | 11 472 | 16 960 | 16 375 | 9 499 | 4 490 |
| D06AX01 fusidic acid | 62 535 | 52 807 | 53 086 | 50 916 | 52 130 | 56 | 10 681 | 16 301 | 15 979 | 9 169 | 4 214 |
| D06AX05 bacitracin | 2 172 | 2 058 | 2 044 | 1 819 | 1 964 | 49 | 650 | 597 | 379 | 338 | 209 |
| D06AX07 gentamicin | <5 | <5 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D06AX09 mupirocin | 21 | 33 | 13 | 8 | 19 | 47 | <5 | 7 | 5 | <5 | 5 |
| D06AX13 retapamulin | 0 | 0 | 0 | 7 | 372 | 51 | 194 | 102 | 51 | 25 | 62 |
| D06B CHEMOTHERAPEUTICS FOR TOPICAL USE | 62 339 | 62 386 | 62 469 | 56 890 | 52 554 | 63 | 2 693 | 29 471 | 15 634 | 4 756 | 11 896 |
| D06BA Sulfonamides | 2 445 | 3 462 | 3 447 | 3 464 | 3 457 | 53 | 628 | 1 241 | 966 | 622 | 448 |
| D06BA01 silver sulfadiazine | 2 445 | 3 462 | 3 447 | 3 464 | 3 457 | 53 | 628 | 1 241 | 966 | 622 | 448 |
| D06BB Antivirals | 52 434 | 51 733 | 52 220 | 46 085 | 41 191 | 64 | 1 959 | 25 574 | 10 764 | 2 894 | 10 138 |
| D06BB03 aciclovir ¹⁾ | 27 965 | 27 670 | 28 218 | 24 058 | 20 578 | 71 | 1 394 | 10 455 | 7 099 | 1 630 | 2 733 |
| D06BB04 podophyllotoxin | 10 116 | 10 894 | 11 403 | 12 243 | 13 098 | 51 | 132 | 11 916 | 997 | 53 | 2 853 |
| D06BB06 penciclovir ¹⁾ | 13 794 | 12 468 | 11 808 | 8 464 | 5 009 | 71 | 257 | 2 331 | 1 931 | 490 | 1 014 |
| D06BB10 imiquimod | 1 565 | 1 728 | 1 853 | 2 224 | 3 393 | 56 | 190 | 1 630 | 832 | 741 | 3 538 |
| D06BB11 docosanol | 0 | 0 | 0 | 0 | 6 | 50 | 0 | <5 | <5 | 0 | 1 |
| D06BX Other chemotherapeutics | 7 736 | 7 447 | 7 061 | 7 574 | 8 126 | 67 | 107 | 2 754 | 3 992 | 1 273 | 1 310 |
| D06BX01 metronidazole | 7 736 | 7 447 | 7 061 | 7 574 | 8 126 | 67 | 107 | 2 754 | 3 992 | 1 273 | 1 310 |
| D07 CORTICOSTEROIDS, DERMATOLOGICAL PREPARATIONS | 335 013 | 344 291 | 347 424 | 345 362 | 348 374 | 54 | 48 734 | 107 910 | 124 946 | 66 784 | 82 307 |
| D07A CORTICOSTEROIDS, PLAIN | 255 748 | 264 714 | 270 399 | 275 449 | 284 730 | 55 | 41 010 | 88 175 | 101 131 | 54 414 | 61 359 |
| D07AA Corticosteroids, weak (group I) | 28 348 | 29 169 | 28 270 | 26 994 | 27 337 | 55 | 12 276 | 6 975 | 4 778 | 3 308 | 3 197 |
| D07AA02 hydrocortisone ¹⁾ | 28 348 | 29 169 | 28 270 | 26 994 | 27 337 | 55 | 12 276 | 6 975 | 4 778 | 3 308 | 3 197 |
| D07AB Corticosteroids, moderately potent (group II) | 84 619 | 86 995 | 88 545 | 91 253 | 95 485 | 55 | 20 738 | 28 926 | 28 823 | 16 998 | 14 122 |
| D07AB02 hydrocortisone butyrate | 57 309 | 59 056 | 59 835 | 62 155 | 64 442 | 55 | 14 926 | 19 515 | 18 653 | 11 348 | 9 967 |
| D07AB08 desonide | 28 476 | 29 186 | 29 907 | 30 370 | 32 489 | 55 | 6 212 | 9 809 | 10 543 | 5 925 | 4 155 |
| D07AC Corticosteroids, potent (group III) | 140 549 | 145 538 | 148 925 | 151 130 | 154 487 | 54 | 15 244 | 50 201 | 57 494 | 31 548 | 32 660 |
| D07AC01 betamethasone | 45 440 | 47 521 | 48 813 | 50 712 | 52 529 | 54 | 2 954 | 16 954 | 21 081 | 11 540 | 7 856 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group D

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|---------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| D07AC03 | desoximetasone | 14 746 | 14 431 | 14 160 | 13 764 | 13 791 | 53 | 539 | 3 976 | 5 936 | 3 340 | 4 271 |
| D07AC04 | fluocinolone acetonide | 8 312 | 7 826 | 7 548 | 7 293 | 7 135 | 54 | 246 | 1 485 | 3 262 | 2 142 | 1 282 |
| D07AC08 | fluocinonide | 1 428 | 1 172 | 1 173 | 998 | 871 | 53 | 12 | 202 | 435 | 222 | 172 |
| D07AC13 | mometasone | 59 460 | 64 373 | 66 960 | 69 056 | 71 482 | 54 | 9 487 | 24 269 | 24 386 | 13 340 | 15 673 |
| D07AC17 | fluticasone | 18 448 | 17 879 | 17 853 | 16 867 | 16 915 | 56 | 2 678 | 5 922 | 5 392 | 2 923 | 3 406 |
| D07AD | Corticosteroids, very potent (group IV) | 40 099 | 42 244 | 43 658 | 45 616 | 48 069 | 56 | 1 474 | 14 921 | 22 607 | 9 067 | 11 379 |
| D07AD01 | clobetasol | 40 099 | 42 244 | 43 658 | 45 616 | 48 069 | 56 | 1 474 | 14 921 | 22 607 | 9 067 | 11 379 |
| D07B | CORTICOSTEROIDS, COMBINATIONS WITH ANTISEPTICS | 60 264 | 60 666 | 57 672 | 48 588 | 41 014 | 50 | 5 721 | 12 424 | 14 662 | 8 207 | 5 622 |
| D07BB | Corticosteroids, moderately potent, combinations with antiseptics | 43 231 | 42 781 | 38 422 | 28 416 | 29 251 | 50 | 4 884 | 8 726 | 9 970 | 5 671 | 4 194 |
| D07BB01 | flumetasone and antiseptics | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D07BB02 | desonide and antiseptics | 8 793 | 9 257 | 10 643 | 14 104 | 13 849 | 49 | 2 284 | 3 787 | 4 873 | 2 905 | 2 417 |
| D07BB03 | triamcinolone and antiseptics | 29 583 | 28 375 | 19 576 | 351 | <5 | 0 | 0 | 0 | 0 | <5 | 0 |
| D07BB04 | hydrocortisone butyrate and antiseptics | 5 359 | 5 994 | 9 295 | 14 433 | 15 921 | 50 | 2 714 | 5 051 | 5 254 | 2 902 | 1 777 |
| D07BC | Corticosteroids, potent, combinations with antiseptics | 18 681 | 19 618 | 20 868 | 21 606 | 13 142 | 48 | 1 037 | 4 109 | 5 143 | 2 853 | 1 427 |
| D07BC01 | betamethasone and antiseptics | 16 157 | 17 146 | 18 661 | 18 720 | 9 655 | 49 | 804 | 3 018 | 3 768 | 2 065 | 945 |
| D07BC02 | fluocinolone acetonide and antiseptics | 2 588 | 2 547 | 2 274 | 3 212 | 3 859 | 47 | 260 | 1 197 | 1 521 | 881 | 482 |
| D07C | CORTICOSTEROIDS, COMBINATIONS WITH ANTIBIOTICS | 23 705 | 24 762 | 24 256 | 23 929 | 26 482 | 54 | 5 595 | 7 612 | 8 422 | 4 853 | 3 290 |
| D07CA | Corticosteroids, weak, combinations with antibiotics | 23 705 | 24 762 | 24 256 | 23 929 | 25 754 | 54 | 5 514 | 7 395 | 8 155 | 4 690 | 3 110 |
| D07CA01 | hydrocortisone and antibiotics | 23 705 | 24 762 | 24 256 | 23 929 | 25 754 | 54 | 5 514 | 7 395 | 8 155 | 4 690 | 3 110 |
| D07CC | Corticosteroids, potent, combinations with antibiotics | 0 | 0 | 0 | 0 | 766 | 47 | 92 | 225 | 282 | 167 | 180 |
| D07CC01 | betamethasone and antibiotics | 0 | 0 | 0 | 0 | 766 | 47 | 92 | 225 | 282 | 167 | 180 |
| D07X | CORTICOSTEROIDS, OTHER COMBINATIONS | 31 777 | 30 539 | 30 420 | 30 462 | 27 047 | 48 | 867 | 8 952 | 11 917 | 5 311 | 12 037 |
| D07XA | Corticosteroids, weak, other combinations | 1 173 | 6 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D07XA01 | hydrocortisone | 1 173 | 6 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D07XB | Corticosteroids, moderately potent, other combinations | 4 049 | 4 398 | 4 007 | 3 998 | 555 | 47 | 14 | 144 | 254 | 143 | 73 |
| D07XB02 | triamcinolone | 4 049 | 4 398 | 4 007 | 3 998 | 555 | 47 | 14 | 144 | 254 | 143 | 73 |

ATC group D

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| D07XC | Corticosteroids, potent, other combinations | 26 885 | 26 332 | 26 596 | 26 624 | 26 585 | 48 | 854 | 8 839 | 11 711 | 5 181 | 11 964 |
| D07XC01 | betamethasone | 25 153 | 26 329 | 26 596 | 26 624 | 26 585 | 48 | 854 | 8 839 | 11 711 | 5 181 | 11 964 |
| D07XC02 | desoximetasone | 2 204 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D08 | ANTISEPTICS AND DISINFECTANTS | 14 532 | 17 519 | 17 934 | 17 765 | 18 169 | 57 | 3 182 | 6 971 | 5 923 | 2 093 | 2 260 |
| D08A | ANTISEPTICS AND DISINFECTANTS | 14 532 | 17 519 | 17 934 | 17 765 | 18 169 | 57 | 3 182 | 6 971 | 5 923 | 2 093 | 2 260 |
| D08AB | Aluminium agents ¹⁾ | 146 | 194 | 211 | 267 | 265 | 55 | 99 | 67 | 52 | 47 | 44 |
| D08AC | Biguanides and amidines | 12 799 | 13 786 | 13 980 | 13 928 | 14 608 | 59 | 2 114 | 5 951 | 5 072 | 1 471 | 1 687 |
| D08AC01 | dibrompropamidine ¹⁾ | 5 959 | 5 865 | 5 781 | 5 251 | 5 322 | 52 | 1 618 | 1 692 | 1 139 | 873 | 593 |
| D08AC02 | chlorhexidine ¹⁾ | 7 078 | 8 202 | 8 445 | 8 930 | 9 531 | 62 | 597 | 4 348 | 3 968 | 618 | 1 095 |
| D08AG | Iodine products | 60 | 69 | 54 | 56 | 53 | 49 | 5 | 15 | 23 | 10 | 9 |
| D08AG01 | iodine/octylphenoxypolyglycoether ¹⁾ | 14 | 12 | 16 | 12 | 15 | 47 | <5 | <5 | 9 | <5 | 5 |
| D08AG02 | povidone-iodine | 0 | <5 | <5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D08AG03 | iodine ¹⁾ | 46 | 56 | 37 | 44 | 38 | 50 | <5 | 12 | 14 | 9 | 4 |
| D08AJ | Quaternary ammonium compounds | 125 | 133 | 109 | 136 | 145 | 59 | 11 | 33 | 43 | 58 | 100 |
| D08AJ03 | cetylpyridinium ¹⁾ | 125 | 133 | 109 | 136 | 145 | 59 | 11 | 33 | 43 | 58 | 100 |
| D08AX | Other antiseptics and disinfectants | 1 523 | 3 544 | 3 798 | 3 559 | 3 252 | 52 | 1 014 | 942 | 765 | 531 | 420 |
| D08AX01 | hydrogen peroxide ¹⁾ | 158 | 2 295 | 2 646 | 2 457 | 2 193 | 53 | 742 | 648 | 466 | 337 | 264 |
| D08AX06 | potassium permanganate ¹⁾ | 1 368 | 1 278 | 1 179 | 1 123 | 1 079 | 49 | 277 | 301 | 305 | 196 | 155 |
| D09 | MEDICATED DRESSINGS | 2 697 | 2 375 | 2 203 | 2 200 | 2 060 | 56 | 178 | 494 | 633 | 755 | 286 |
| D09A | MEDICATED DRESSINGS | 2 697 | 2 375 | 2 203 | 2 200 | 2 060 | 56 | 178 | 494 | 633 | 755 | 286 |
| D09AA | Medicated dressings with anti-infectives | 2 697 | 2 375 | 2 203 | 2 200 | 2 060 | 56 | 178 | 494 | 633 | 755 | 286 |
| D09AA01 | framycetin | 11 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| D09AA02 | fusidic acid | 2 686 | 2 375 | 2 203 | 2 200 | 2 060 | 56 | 178 | 494 | 633 | 755 | 286 |
| D10 | ANTI-ACNE PREPARATIONS | 38 187 | 43 087 | 44 308 | 47 762 | 48 106 | 64 | 2 953 | 35 101 | 7 983 | 2 069 | 20 186 |
| D10A | ANTI-ACNE PREPARATIONS FOR TOPICAL USE | 36 619 | 41 399 | 42 396 | 45 430 | 45 224 | 66 | 2 898 | 32 391 | 7 872 | 2 063 | 10 892 |
| D10AD | Retinoids for topical use in acne | 16 035 | 18 028 | 18 652 | 21 388 | 21 517 | 67 | 1 506 | 15 491 | 3 348 | 1 172 | 4 070 |
| D10AD01 | tretinoin | 7 345 | 7 753 | 7 855 | 9 765 | 9 420 | 76 | 400 | 5 173 | 2 802 | 1 045 | 994 |
| D10AD02 | retinol | <5 | 15 | 57 | 44 | 97 | 66 | 8 | 28 | 55 | 6 | 29 |
| D10AD03 | adapalene | 9 017 | 10 653 | 11 165 | 12 032 | 10 532 | 60 | 873 | 9 082 | 455 | 122 | 2 479 |
| D10AD53 | adapalene, combinations | 0 | 0 | 0 | 0 | 2 240 | 60 | 305 | 1 877 | 57 | <5 | 568 |
| D10AE | Peroxides | 1 394 | 1 729 | 2 052 | 2 359 | 1 998 | 52 | 238 | 1 684 | 70 | 6 | 316 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group D

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|--------------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| D10AE01 | benzoyl peroxide | 1 394 | 1 729 | 2 052 | 2 359 | 1 998 | 52 | 238 | 1 684 | 70 | 6 | 316 |
| D10AF | Antiinfectives for treatment of acne | 16 421 | 17 102 | 16 977 | 17 357 | 16 700 | 63 | 1 191 | 13 028 | 2 148 | 333 | 3 740 |
| D10AF01 | clindamycin | 16 368 | 17 064 | 16 932 | 17 309 | 16 666 | 63 | 1 190 | 12 999 | 2 144 | 333 | 3 725 |
| D10AF02 | erythromycin | 55 | 46 | 46 | 54 | 39 | 82 | <5 | 34 | <5 | 0 | 15 |
| D10AX | Other anti-acne preparations for topical use | 9 289 | 12 348 | 13 135 | 13 444 | 13 470 | 67 | 732 | 9 554 | 2 617 | 567 | 2 766 |
| D10AX03 | azelaic acid | 9 283 | 12 333 | 13 122 | 13 430 | 13 465 | 67 | 732 | 9 553 | 2 614 | 566 | 2 765 |
| D10AX30 | various combinations | 7 | 18 | 15 | 14 | 7 | 71 | 0 | <5 | <5 | <5 | 1 |
| D10B | ANTI-ACNE PREPARATIONS FOR SYSTEMIC USE | 2 226 | 2 462 | 2 744 | 3 422 | 4 215 | 42 | 112 | 3 944 | 153 | 6 | 9 295 |
| D10BA | Retinoids for treatment of acne | 2 226 | 2 462 | 2 744 | 3 422 | 4 215 | 42 | 112 | 3 944 | 153 | 6 | 9 295 |
| D10BA01 | isotretinoin | 2 226 | 2 462 | 2 744 | 3 422 | 4 215 | 42 | 112 | 3 944 | 153 | 6 | 9 295 |
| D11 | OTHER DERMATOLOGICAL PREPARATIONS | 14 006 | 13 688 | 13 351 | 13 633 | 14 660 | 53 | 2 199 | 6 304 | 4 167 | 1 990 | 10 676 |
| D11A | OTHER DERMATOLOGICAL PREPARATIONS | 14 006 | 13 688 | 13 351 | 13 633 | 14 660 | 53 | 2 199 | 6 304 | 4 167 | 1 990 | 10 676 |
| D11AC | Medicated shampoos | 964 | 1 025 | 1 127 | 1 017 | 1 023 | 48 | 58 | 631 | 237 | 97 | 99 |
| D11AC03 | selenium compounds | 964 | 1 025 | 1 127 | 1 017 | 1 023 | 48 | 58 | 631 | 237 | 97 | 99 |
| D11AF | Wart and anti-corn preparations | 1 264 | 1 328 | 1 468 | 1 416 | 1 368 | 53 | 556 | 526 | 197 | 89 | 155 |
| D11AX | Other dermatologicals | 11 789 | 11 347 | 10 775 | 11 215 | 12 293 | 54 | 1 587 | 5 162 | 3 738 | 1 806 | 10 422 |
| D11AX01 | minoxidil | 1 082 | 367 | 196 | 172 | 192 | 50 | <5 | 104 | 70 | 15 | 126 |
| D11AX10 | finasteride | 790 | 831 | 810 | 767 | 813 | 0 | 0 | 656 | 153 | <5 | 4 081 |
| D11AX14 | tacrolimus | 5 537 | 4 551 | 3 949 | 4 344 | 6 139 | 58 | 932 | 2 757 | 1 960 | 490 | 3 522 |
| D11AX15 | pimecrolimus | 4 352 | 4 219 | 3 697 | 3 905 | 3 497 | 59 | 692 | 1 599 | 958 | 248 | 1 875 |
| D11AX18 | diclofenac | 269 | 1 422 | 2 120 | 2 070 | 1 690 | 51 | <5 | 35 | 597 | 1 057 | 740 |

3.8 ATC group G – Genito urinary system and sex hormones

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| G01 | GYNECOLOGICAL ANTIINFECTIVES AND ANTISEPTICS | 30 462 | 30 670 | 29 768 | 30 239 | 30 439 | 100 | 65 | 22 263 | 6 740 | 1 371 | 6 075 |
| G01A | ANTIINFECTIVES AND ANTISEPTICS, EXCL. COMBINATIONS WITH CORTICOSTEROIDS | 30 462 | 30 670 | 29 768 | 30 239 | 30 439 | 100 | 65 | 22 263 | 6 740 | 1 371 | 6 075 |
| G01AA | Antibiotics | 16 149 | 15 889 | 14 683 | 14 366 | 14 347 | 100 | 30 | 10 356 | 3 468 | 493 | 3 375 |
| G01AA10 | clindamycin | 16 149 | 15 889 | 14 683 | 14 366 | 14 347 | 100 | 30 | 10 356 | 3 468 | 493 | 3 375 |
| G01AF | Imidazole derivatives | 15 489 | 16 011 | 16 164 | 17 089 | 17 271 | 100 | 38 | 12 838 | 3 484 | 911 | 2 683 |
| G01AF01 | metronidazole | 7 429 | 8 275 | 8 843 | 9 950 | 10 320 | 100 | 7 | 7 949 | 2 091 | 273 | 1 434 |
| G01AF02 | clotrimazole ¹⁾ | 5 731 | 5 511 | 5 229 | 5 254 | 5 010 | 99 | 24 | 3 456 | 996 | 534 | 885 |
| G01AF04 | miconazole ¹⁾ | 890 | 949 | 823 | 788 | 952 | 99 | <5 | 733 | 174 | 44 | 156 |
| G01AF05 | econazole ¹⁾ | 1 792 | 1 624 | 1 646 | 1 492 | 1 402 | 100 | 6 | 1 037 | 285 | 74 | 208 |
| G01AX | Other antiinfectives and antiseptics | 5 | 18 | 12 | 12 | 17 | 35 | 0 | 7 | 8 | <5 | 16 |
| G01AX03 | policresulen | 5 | 18 | 12 | 12 | 17 | 35 | 0 | 7 | 8 | <5 | 16 |
| G02 | OTHER GYNECOLOGICALS | 36 647 | 36 708 | 38 156 | 41 311 | 42 808 | 99 | 8 | 38 474 | 4 179 | 147 | 45 277 |
| G02A | OXYTOCICS | 43 | 43 | 35 | 31 | 26 | 100 | 0 | 24 | <5 | 0 | 3 |
| G02AB | Ergot alkaloids | 43 | 43 | 34 | 31 | 26 | 100 | 0 | 24 | <5 | 0 | 3 |
| G02AB01 | methylergometrine | 43 | 43 | 34 | 31 | 26 | 100 | 0 | 24 | <5 | 0 | 3 |
| G02AD | Prostaglandins | 0 | 0 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| G02AD02 | dinoprostone | 0 | 0 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| G02B | CONTRACEPTIVES FOR TOPICAL USE | 34 319 | 34 307 | 35 776 | 39 027 | 40 521 | 100 | 7 | 36 973 | 3 535 | 6 | 42 344 |
| G02BA | Intrauterine contraceptives | 21 839 | 22 596 | 23 092 | 24 818 | 24 719 | 100 | 0 | 21 510 | 3 206 | <5 | 29 749 |
| G02BA03 | plastic IUD with progestogen | 21 839 | 22 596 | 23 092 | 24 818 | 24 719 | 100 | 0 | 21 510 | 3 206 | <5 | 29 749 |
| G02BB | Intravaginal contraceptives | 12 626 | 11 823 | 12 805 | 14 334 | 15 971 | 100 | 7 | 15 631 | 330 | <5 | 12 595 |
| G02BB01 | vaginal ring with progestogen and estrogen | 12 626 | 11 823 | 12 805 | 14 334 | 15 971 | 100 | 7 | 15 631 | 330 | <5 | 12 595 |
| G02C | OTHER GYNECOLOGICALS | 2 395 | 2 463 | 2 428 | 2 339 | 2 366 | 81 | <5 | 1 578 | 646 | 141 | 2 930 |
| G02CB | Prolactine inhibitors | 2 395 | 2 463 | 2 428 | 2 339 | 2 366 | 81 | <5 | 1 578 | 646 | 141 | 2 930 |
| G02CB01 | bromocriptine | 1 540 | 1 475 | 1 360 | 1 259 | 1 241 | 90 | 0 | 929 | 245 | 67 | 830 |
| G02CB03 | cabergoline | 682 | 820 | 904 | 913 | 982 | 69 | <5 | 581 | 334 | 66 | 1 425 |
| G02CB04 | quinagolide | 224 | 219 | 211 | 214 | 185 | 81 | 0 | 97 | 78 | 10 | 675 |
| G03 | SEX HORMONES AND MODULATORS OF THE GENITAL SYSTEM | 509 467 | 509 369 | 511 137 | 510 087 | 511 765 | 99 | 2 245 | 342 685 | 132 572 | 34 263 | 387 952 |
| G03A | HORMONAL CONTRACEPTIVES FOR SYSTEMIC USE | 283 225 | 295 013 | 300 970 | 301 397 | 303 952 | 100 | 1 025 | 293 789 | 9 116 | 22 | 166 664 |
| G03AA | Progestogens and estrogens, fixed combinations | 117 866 | 125 718 | 145 430 | 211 548 | 212 262 | 100 | 857 | 208 001 | 3 392 | 12 | 127 909 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|---------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| G03AA06 | norgestrel and estrogen | 13 | <5 | <5 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| G03AA07 | levonorgestrel and estrogen | 30 427 | 37 514 | 47 622 | 83 625 | 88 546 | 100 | 346 | 86 730 | 1 466 | <5 | 45 984 |
| G03AA09 | desogestrel and estrogen | 9 122 | 8 225 | 10 862 | 40 375 | 48 403 | 100 | 365 | 47 187 | 847 | <5 | 15 502 |
| G03AA12 | drospirenone and estrogen | 68 789 | 73 567 | 84 140 | 97 503 | 79 096 | 100 | 174 | 77 946 | 972 | <5 | 59 802 |
| G03AA13 | norelgestromin and estrogen | 16 421 | 13 103 | 9 260 | 9 016 | 8 993 | 100 | 19 | 8 816 | 158 | 0 | 6 622 |
| G03AB | Progestogens and estrogens, sequential preparations | 126 954 | 123 178 | 112 813 | 29 232 | 22 004 | 100 | 74 | 21 359 | 568 | <5 | 5 434 |
| G03AB03 | levonorgestrel and estrogen | 115 297 | 112 651 | 102 582 | 5 340 | <5 | 100 | 0 | <5 | 0 | 0 | 1 |
| G03AB04 | norethisterone and estrogen | 12 169 | 10 990 | 12 073 | 24 611 | 22 001 | 100 | 74 | 21 356 | 568 | <5 | 5 433 |
| G03AC | Progestogens | 61 140 | 71 563 | 77 911 | 85 654 | 87 596 | 100 | 136 | 82 147 | 5 306 | 7 | 33 320 |
| G03AC01 | norethisterone | 20 314 | 16 278 | 12 892 | 10 485 | 9 182 | 100 | 10 | 8 128 | 1 044 | 0 | 2 043 |
| G03AC02 | lynestrenol | 4 336 | 1 555 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| G03AC03 | levonorgestrel ¹⁾ | 3 228 | 1 829 | 424 | 408 | 311 | 99 | <5 | 297 | 11 | 0 | 277 |
| G03AC06 | medroxyprogesterone | 28 395 | 25 383 | 23 401 | 22 507 | 21 139 | 100 | 34 | 18 493 | 2 608 | <5 | 4 561 |
| G03AC08 | etonogestrel | 1 427 | 1 805 | 2 063 | 2 598 | 2 680 | 100 | <5 | 2 615 | 61 | 0 | 3 469 |
| G03AC09 | desogestrel | 5 021 | 29 057 | 41 479 | 51 988 | 56 439 | 100 | 89 | 54 703 | 1 644 | <5 | 22 971 |
| G03B | ANDROGENS | 3 922 | 3 941 | 3 999 | 4 291 | 4 785 | 6 | 55 | 1 449 | 2 654 | 627 | 17 613 |
| G03BA | 3-oxoandrosten (4) derivatives | 3 922 | 3 941 | 3 999 | 4 291 | 4 785 | 6 | 55 | 1 449 | 2 654 | 627 | 17 613 |
| G03BA01 | flouxymesterone | 8 | <5 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| G03BA03 | testosterone | 3 915 | 3 939 | 3 999 | 4 291 | 4 785 | 6 | 55 | 1 449 | 2 654 | 627 | 17 613 |
| G03BB | 5-androstanon (3) derivatives | <5 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| G03BB01 | mesterolone | <5 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| G03C | ESTROGENS | 96 512 | 97 380 | 101 558 | 105 539 | 108 876 | 100 | 195 | 4 940 | 73 992 | 29 749 | 70 153 |
| G03CA | Natural and semisynthetic estrogens, plain | 81 335 | 84 359 | 90 029 | 95 287 | 99 706 | 100 | 195 | 4 700 | 65 610 | 29 201 | 53 835 |
| G03CA01 | ethinylestradiol | 162 | 165 | 165 | 159 | 146 | 79 | 66 | 61 | 18 | <5 | 727 |
| G03CA03 | estradiol | 53 926 | 60 519 | 68 864 | 76 470 | 83 130 | 100 | 34 | 4 399 | 61 094 | 17 603 | 44 772 |
| G03CA04 | estriol ¹⁾ | 29 012 | 25 429 | 22 779 | 20 429 | 18 177 | 100 | 95 | 266 | 5 305 | 12 511 | 8 333 |
| G03CA53 | estradiol, combinations | <5 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| G03CA57 | conjugated estrogens | <5 | <5 | <5 | <5 | 5 | 100 | 0 | 0 | <5 | <5 | 3 |
| G03CX | Other estrogens | 16 256 | 14 166 | 12 560 | 11 192 | 10 005 | 100 | 0 | 277 | 9 146 | 582 | 16 319 |
| G03CX01 | tibolone | 16 256 | 14 166 | 12 560 | 11 192 | 10 005 | 100 | 0 | 277 | 9 146 | 582 | 16 319 |
| G03D | PROGESTOGENS | 39 474 | 40 356 | 39 386 | 39 335 | 40 387 | 100 | 1 040 | 29 902 | 9 279 | 166 | 15 263 |
| G03DA | Pregnen (4) derivatives | 12 419 | 12 430 | 12 156 | 12 447 | 12 956 | 100 | 87 | 9 372 | 3 349 | 148 | 12 859 |
| G03DA02 | medroxyprogesterone | 8 386 | 8 030 | 7 539 | 7 330 | 7 468 | 100 | 87 | 3 960 | 3 273 | 148 | 1 328 |
| G03DA04 | progesterone | 4 072 | 4 483 | 4 703 | 5 201 | 5 576 | 100 | 0 | 5 500 | 76 | 0 | 11 531 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group G

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| G03DC | Estren derivatives | 27 828 | 28 696 | 27 931 | 27 599 | 28 186 | 100 | 954 | 21 104 | 6 110 | 18 | 2 404 |
| G03DC02 | norethisterone | 27 828 | 28 696 | 27 931 | 27 599 | 28 186 | 100 | 954 | 21 104 | 6 110 | 18 | 2 404 |
| G03F | PROGESTOGENS AND ESTROGENS IN COMBINATION | | | | | | | | | | | |
| | | 78 166 | 65 110 | 56 823 | 50 988 | 47 290 | 100 | <5 | 2 560 | 41 530 | 3 197 | 34 441 |
| G03FA | Progestogens and estrogens, fixed combinations | | | | | | | | | | | |
| | | 58 690 | 49 812 | 44 108 | 40 063 | 37 323 | 100 | <5 | 718 | 33 549 | 3 055 | 27 616 |
| G03FA01 | norethisterone and estrogen | 57 686 | 48 944 | 43 324 | 39 328 | 36 643 | 100 | <5 | 692 | 32 911 | 3 039 | 26 870 |
| G03FA12 | medroxyprogesterone and estrogen | 635 | 549 | 521 | 500 | 474 | 100 | 0 | 17 | 444 | 13 | 502 |
| G03FA15 | dienogest and estrogen | 530 | 422 | 361 | 314 | 280 | 100 | 0 | 12 | 264 | <5 | 244 |
| G03FB | Progestogens and estrogens, sequential preparations | | | | | | | | | | | |
| | | 22 222 | 17 492 | 14 549 | 12 440 | 11 341 | 100 | <5 | 1 931 | 9 248 | 160 | 6 825 |
| G03FB01 | norgestrel and estrogen | 1 302 | 1 057 | 820 | 5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| G03FB05 | norethisterone and estrogen | 21 002 | 16 526 | 13 910 | 12 436 | 11 341 | 100 | <5 | 1 931 | 9 248 | 160 | 6 825 |
| G03FB11 | trimegestone and estrogen | 16 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| G03G | GONADOTROPINS AND OTHER OVULATION STIMULANTS | | | | | | | | | | | |
| | | 9 514 | 9 693 | 9 748 | 10 111 | 10 910 | 96 | <5 | 10 743 | 162 | <5 | 70 675 |
| G03GA | Gonadotropins | | | | | | | | | | | |
| | | 5 064 | 5 293 | 5 263 | 5 551 | 5 868 | 98 | <5 | 5 803 | 60 | <5 | 68 892 |
| G03GA01 | chorionic gonadotrophin | 1 173 | 1 464 | 1 299 | 1 391 | 1 652 | 93 | <5 | 1 621 | 27 | <5 | 548 |
| G03GA02 | human menopausal gonadotrophin | <5 | 625 | 864 | 1 092 | 1 405 | 100 | 0 | 1 388 | 17 | 0 | 10 887 |
| G03GA05 | follictropin alfa | 1 853 | 1 738 | 1 595 | 1 624 | 1 628 | 99 | 0 | 1 615 | 13 | 0 | 22 697 |
| G03GA06 | follictropin beta | 2 709 | 2 826 | 2 787 | 2 877 | 3 039 | 100 | 0 | 3 014 | 24 | <5 | 32 184 |
| G03GA07 | lutropin alfa | 145 | 135 | 81 | 82 | 62 | 100 | 0 | 62 | 0 | 0 | 261 |
| G03GA08 | choriogonadotropin alfa | 3 713 | 3 640 | 3 717 | 4 039 | 4 173 | 100 | 0 | 4 139 | 34 | 0 | 2 308 |
| G03GA30 | combinations | 0 | 0 | 0 | 0 | <5 | 100 | 0 | <5 | 0 | 0 | 8 |
| G03GB | Ovulation stimulants, synthetic | | | | | | | | | | | |
| | | 5 665 | 5 652 | 5 647 | 5 843 | 6 435 | 94 | 0 | 6 317 | 118 | 0 | 1 783 |
| G03GB02 | clomifene | 5 665 | 5 652 | 5 647 | 5 843 | 6 435 | 94 | 0 | 6 317 | 118 | 0 | 1 783 |
| G03H | ANTIANDROGENS | | | | | | | | | | | |
| | | 18 095 | 18 297 | 19 127 | 19 572 | 16 944 | 99 | 51 | 16 479 | 303 | 111 | 8 193 |
| G03HA | Antiandrogens, plain | | | | | | | | | | | |
| | | 217 | 221 | 236 | 232 | 189 | 9 | 0 | 23 | 56 | 110 | 444 |
| G03HA01 | cyproterone | 217 | 221 | 236 | 232 | 189 | 9 | 0 | 23 | 56 | 110 | 444 |
| G03HB | Antiandrogens and estrogens | | | | | | | | | | | |
| | | 17 887 | 18 084 | 18 899 | 19 345 | 16 765 | 100 | 51 | 16 466 | 247 | <5 | 7 749 |
| G03HB01 | cyproterone and estrogen | 17 887 | 18 084 | 18 899 | 19 345 | 16 765 | 100 | 51 | 16 466 | 247 | <5 | 7 749 |
| G03X | OTHER SEX HORMONES AND MODULATORS OF THE GENITAL SYSTEM | | | | | | | | | | | |
| | | 2 616 | 2 255 | 1 958 | 1 719 | 1 504 | 98 | 0 | 22 | 611 | 871 | 4 950 |
| G03XA | Antigonadotropins and similar agents | | | | | | | | | | | |
| | | 37 | 40 | 43 | 52 | 51 | 43 | 0 | 18 | 23 | 10 | 189 |
| G03XA01 | danazol | 37 | 40 | 43 | 52 | 51 | 43 | 0 | 18 | 23 | 10 | 189 |

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|--------|--------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| G03XB | Antiprogestogens | <5 | <5 | 0 | <5 | <5 | 67 | 0 | <5 | 0 | 0 | 2 |
| G03XB01 | mifepristone | <5 | <5 | 0 | <5 | <5 | 67 | 0 | <5 | 0 | 0 | 2 |
| G03XC | Selective estrogen receptor modulators | 2 578 | 2 213 | 1 915 | 1 665 | 1 450 | 100 | 0 | <5 | 588 | 861 | 4 759 |
| G03XC01 | raloxifene | 2 578 | 2 213 | 1 915 | 1 665 | 1 450 | 100 | 0 | <5 | 588 | 861 | 4 759 |
| G04 | UROLOGICALS | 110 697 | 116 315 | 122 740 | 131 436 | 141 226 | 21 | 589 | 14 156 | 74 632 | 51 849 | 354 491 |
| G04B | OTHER UROLOGICALS, INCL. ANTISPASMODICS | 89 982 | 91 793 | 95 652 | 100 695 | 106 247 | 28 | 588 | 12 861 | 60 775 | 32 023 | 303 378 |
| G04BA | Acidifiers | <5 | <5 | <5 | <5 | <5 | 0 | 0 | 0 | <5 | <5 | 14 |
| G04BA01 | ammonium chloride | <5 | <5 | <5 | <5 | <5 | 0 | 0 | 0 | <5 | <5 | 14 |
| G04BD | Urinary antispasmodics | 34 249 | 36 378 | 39 288 | 40 919 | 42 722 | 68 | 578 | 3 168 | 18 140 | 20 836 | 154 977 |
| G04BD01 | emeprium | 9 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| G04BD04 | oxybutynin | 410 | 882 | 2 060 | 2 054 | 1 686 | 74 | 156 | 222 | 720 | 588 | 11 379 |
| G04BD07 | tolterodine | 33 858 | 31 502 | 27 131 | 23 740 | 21 532 | 70 | 394 | 1 303 | 8 330 | 11 505 | 78 768 |
| G04BD08 | solifenacin | 102 | 6 013 | 11 236 | 13 975 | 15 707 | 66 | 38 | 1 321 | 7 329 | 7 019 | 46 746 |
| G04BD10 | darifenacin | 0 | 0 | 2 185 | 4 336 | 5 415 | 71 | <5 | 419 | 2 442 | 2 550 | 15 787 |
| G04BD11 | fesoterodine | 0 | 0 | 0 | 0 | 1 812 | 60 | <5 | 158 | 916 | 737 | 2 296 |
| G04BE | Drugs used in erectile dysfunction | 56 700 | 56 388 | 57 442 | 60 998 | 64 883 | 0 | 9 | 9 771 | 43 477 | 11 626 | 148 368 |
| G04BE01 | alprostadil | 1 974 | 1 906 | 1 941 | 2 038 | 2 323 | 0 | 0 | 125 | 1 570 | 628 | 4 122 |
| G04BE02 | papaverine | 24 | 32 | 30 | 30 | 39 | 0 | 0 | 5 | 29 | 5 | 77 |
| G04BE03 | sildenafil | 35 463 | 32 480 | 32 054 | 33 253 | 34 628 | 0 | 9 | 5 131 | 22 593 | 6 895 | 74 742 |
| G04BE04 | yohimbine | 28 | 26 | 23 | 20 | 13 | 23 | 0 | <5 | 7 | <5 | 7 |
| G04BE07 | apomorphine | 760 | 319 | 160 | 6 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| G04BE08 | tadalafil | 16 146 | 16 750 | 18 471 | 21 262 | 23 885 | 0 | 0 | 3 959 | 16 576 | 3 350 | 48 907 |
| G04BE09 | vardeafil | 11 009 | 12 268 | 11 727 | 11 619 | 11 510 | 0 | 0 | 1 649 | 7 989 | 1 872 | 19 559 |
| G04BE30 | combinations | 515 | 516 | 573 | 598 | 530 | 0 | 0 | 33 | 382 | 115 | 954 |
| G04BX | Other urologicals | 12 | 10 | 13 | 10 | 10 | 30 | <5 | 7 | <5 | 0 | 18 |
| G04BX01 | magnesium hydroxide | 12 | 10 | 13 | 10 | 10 | 30 | <5 | 7 | <5 | 0 | 18 |
| G04C | DRUGS USED IN BENIGN PROSTATIC HYPERTROPHY | 23 850 | 28 289 | 31 538 | 35 859 | 40 912 | 1 | <5 | 1 437 | 16 877 | 22 597 | 51 114 |
| G04CA | Alpha-adrenoreceptor antagonists | 17 934 | 21 301 | 23 708 | 27 126 | 31 414 | 1 | <5 | 813 | 14 106 | 16 494 | 30 236 |
| G04CA01 | alfuzosin | 827 | 914 | 972 | 937 | 777 | 1 | 0 | 16 | 317 | 444 | 1 142 |
| G04CA02 | tamsulosin | 16 206 | 19 538 | 21 924 | 25 393 | 30 082 | 1 | 0 | 732 | 13 549 | 15 801 | 28 307 |
| G04CA03 | terazosin | 1 052 | 992 | 984 | 986 | 897 | 1 | <5 | 67 | 392 | 437 | 788 |
| G04CB | Testosterone-5-alpha reductase inhibitors | 7 162 | 8 867 | 10 299 | 11 658 | 13 227 | 0 | 0 | 630 | 4 227 | 8 370 | 20 877 |
| G04CB01 | finasteride | 5 998 | 5 961 | 5 913 | 5 805 | 10 171 | 0 | 0 | 585 | 3 166 | 6 420 | 11 014 |
| G04CB02 | dutasteride | 1 263 | 2 998 | 4 492 | 5 943 | 4 043 | 0 | 0 | 51 | 1 392 | 2 600 | 9 863 |

3.9 ATC group H – Systemic hormonal preparations, excl. sex hormones and insulins

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|--------|--------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15–44 | 45–69 | ≥70 | |
| H01 | PITUITARY AND HYPOTHALAMIC HORMONES AND ANALOGUES | 22 484 | 22 793 | 22 932 | 23 653 | 24 204 | 65 | 9 346 | 12 235 | 1 593 | 1 030 | 269 575 |
| H01A | ANTERIOR PITUITARY LOBE HORMONES AND ANALOGUES | 1 174 | 1 316 | 1 395 | 1 442 | 1 478 | 44 | 776 | 462 | 233 | 7 | 155 436 |
| H01AA | ACTH | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | <5 | 0 | 1 |
| H01AA02 | tetracosactide | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | <5 | 0 | 1 |
| H01AC | Somatropin and somatropin agonists | 1 168 | 1 304 | 1 383 | 1 430 | 1 463 | 44 | 776 | 453 | 227 | 7 | 150 878 |
| H01AC01 | somatropin | 1 168 | 1 304 | 1 383 | 1 430 | 1 463 | 44 | 776 | 453 | 227 | 7 | 150 878 |
| H01AX | Other anterior pituitary lobe hormones and analogues | 5 | 8 | 10 | 10 | 13 | 38 | 0 | 8 | 5 | 0 | 4 556 |
| H01AX01 | pegvisomant | 5 | 8 | 10 | 10 | 13 | 38 | 0 | 8 | 5 | 0 | 4 556 |
| H01B | POSTERIOR PITUITARY LOBE HORMONES | 18 297 | 18 368 | 18 267 | 18 536 | 18 778 | 61 | 8 599 | 8 219 | 1 109 | 851 | 38 993 |
| H01BA | Vasopressin and analogues | 12 378 | 11 938 | 11 606 | 11 701 | 11 581 | 36 | 8 568 | 1 072 | 1 090 | 851 | 37 722 |
| H01BA02 | desmopressin | 12 378 | 11 938 | 11 606 | 11 701 | 11 581 | 36 | 8 568 | 1 072 | 1 090 | 851 | 37 722 |
| H01BB | Oxytocin and analogues | 5 921 | 6 433 | 6 661 | 6 837 | 7 198 | 100 | 31 | 7 148 | 19 | 0 | 1 271 |
| H01BB02 | oxytocin | 5 921 | 6 433 | 6 661 | 6 837 | 7 198 | 100 | 31 | 7 148 | 19 | 0 | 1 271 |
| H01C | HYPOTHALAMIC HORMONES | 3 174 | 3 272 | 3 444 | 3 845 | 4 129 | 94 | 6 | 3 654 | 296 | 173 | 75 147 |
| H01CA | Gonadotropin-releasing hormones | 2 705 | 2 717 | 2 748 | 3 021 | 3 089 | 100 | 0 | 3 070 | 17 | <5 | 9 608 |
| H01CA02 | nafarelin | 2 705 | 2 717 | 2 748 | 3 021 | 3 089 | 100 | 0 | 3 070 | 17 | <5 | 9 608 |
| H01CB | Antigrowth hormones | 363 | 377 | 415 | 458 | 488 | 48 | 6 | 50 | 261 | 171 | 63 417 |
| H01CB02 | octreotide | 334 | 333 | 358 | 383 | 400 | 49 | <5 | 46 | 207 | 143 | 48 447 |
| H01CB03 | lanreotide | 38 | 56 | 67 | 89 | 118 | 46 | <5 | 6 | 65 | 45 | 14 970 |
| H01CC | Anti-gonadotropin-releasing hormones | 148 | 227 | 344 | 459 | 675 | 100 | 0 | 655 | 20 | 0 | 2 122 |
| H01CC01 | ganirelix | 79 | 142 | 261 | 351 | 555 | 100 | 0 | 537 | 18 | 0 | 1 703 |
| H01CC02 | cetrotorelix | 71 | 96 | 93 | 120 | 149 | 100 | 0 | 146 | <5 | 0 | 419 |
| H02 | CORTICOSTEROIDS FOR SYSTEMIC USE | 134 018 | 145 047 | 156 724 | 169 602 | 176 673 | 56 | 4 242 | 52 673 | 70 942 | 48 816 | 43 240 |
| H02A | CORTICOSTEROIDS FOR SYSTEMIC USE, PLAIN | 133 875 | 144 892 | 156 588 | 169 475 | 176 554 | 56 | 4 241 | 52 647 | 70 867 | 48 799 | 43 173 |
| H02AA | Mineralocorticoids | 1 019 | 1 087 | 1 121 | 1 144 | 1 156 | 56 | 87 | 361 | 501 | 207 | 321 |
| H02AA02 | fludrocortisone | 1 019 | 1 087 | 1 121 | 1 144 | 1 156 | 56 | 87 | 361 | 501 | 207 | 321 |
| H02AB | Glucocorticoids | 133 770 | 144 763 | 156 447 | 169 332 | 176 409 | 56 | 4 229 | 52 610 | 70 821 | 48 749 | 42 853 |
| H02AB01 | betamethasone | 2 881 | 2 895 | 2 867 | 1 906 | 1 730 | 46 | 438 | 456 | 607 | 229 | 468 |
| H02AB02 | dexamethasone | 3 069 | 1 915 | 1 716 | 1 796 | 1 904 | 48 | 95 | 258 | 1 036 | 515 | 1 884 |
| H02AB04 | methylprednisolone | 5 752 | 7 192 | 9 139 | 9 567 | 10 089 | 52 | 79 | 3 037 | 4 891 | 2 082 | 3 991 |

ATC group H

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|---|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|---------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| H02AB06 | prednisolone | 106 575 | 113 902 | 121 161 | 128 917 | 135 699 | 58 | 2 818 | 30 951 | 56 730 | 45 200 | 27 506 |
| H02AB07 | prednisone | 6 | <5 | 5 | <5 | <5 | 100 | 0 | <5 | <5 | 0 | 2 |
| H02AB08 | triamcinolone | 16 285 | 19 910 | 23 347 | 29 137 | 28 977 | 49 | 708 | 18 366 | 8 521 | 1 382 | 3 476 |
| H02AB09 | hydrocortisone | 447 | 430 | 447 | 429 | 421 | 61 | 46 | 156 | 185 | 34 | 288 |
| H02AB10 | cortisone | 2 253 | 2 344 | 2 375 | 2 452 | 2 502 | 51 | 137 | 654 | 1 173 | 538 | 5 183 |
| H02AB13 | deflazacort | 7 | 10 | 13 | 18 | 17 | 88 | <5 | <5 | 11 | <5 | 55 |
| H02B | CORTICOSTEROIDS FOR SYSTEMIC USE, COMBINATIONS | 302 | 358 | 344 | 359 | 340 | 61 | <5 | 60 | 182 | 97 | 67 |
| H02BX | Corticosteroids for systemic use, combinations | 302 | 358 | 344 | 359 | 340 | 61 | <5 | 60 | 182 | 97 | 67 |
| H02BX01 | methylprednisolone, combinations | 302 | 358 | 344 | 359 | 340 | 61 | <5 | 60 | 182 | 97 | 67 |
| H03 | THYROID THERAPY | 141 006 | 148 122 | 154 293 | 160 907 | 167 441 | 82 | 1 184 | 31 677 | 83 822 | 50 758 | 54 520 |
| H03A | THYROID PREPARATIONS | 137 408 | 144 601 | 150 748 | 157 349 | 163 777 | 83 | 1 160 | 30 593 | 82 310 | 49 714 | 52 415 |
| H03AA | Thyroid hormones | 137 408 | 144 601 | 150 748 | 157 349 | 163 777 | 83 | 1 160 | 30 593 | 82 310 | 49 714 | 52 415 |
| H03AA01 | levothyroxine sodium | 137 235 | 144 428 | 150 511 | 157 092 | 163 455 | 83 | 1 157 | 30 486 | 82 138 | 49 674 | 48 657 |
| H03AA02 | liothyronine sodium | 3 459 | 3 461 | 3 643 | 3 867 | 3 975 | 90 | 15 | 1 349 | 2 351 | 260 | 3 246 |
| H03AA03 | combinations of levothyroxine and liothyronine | 180 | 189 | 257 | 295 | 402 | 90 | 0 | 155 | 228 | 19 | 512 |
| H03B | ANTITHYROID PREPARATIONS | 4 792 | 4 816 | 4 951 | 4 981 | 5 112 | 81 | 41 | 1 682 | 2 213 | 1 176 | 2 105 |
| H03BA | Thiouracils | 448 | 450 | 453 | 470 | 548 | 89 | <5 | 325 | 157 | 64 | 449 |
| H03BA02 | propylthiouracil | 448 | 450 | 453 | 470 | 548 | 89 | <5 | 325 | 157 | 64 | 449 |
| H03BB | Sulfur-containing imidazole derivatives | 4 436 | 4 456 | 4 621 | 4 620 | 4 724 | 80 | 41 | 1 450 | 2 101 | 1 132 | 1 656 |
| H03BB01 | carbimazole | 4 436 | 4 456 | 4 621 | 4 620 | 4 724 | 80 | 41 | 1 450 | 2 101 | 1 132 | 1 656 |
| H04 | PANCREATIC HORMONES | 4 997 | 5 142 | 5 018 | 4 767 | 5 207 | 46 | 1 127 | 2 560 | 1 196 | 324 | 2 568 |
| H04A | GLYCOGENOLYTIC HORMONES | 4 997 | 5 142 | 5 018 | 4 767 | 5 207 | 46 | 1 127 | 2 560 | 1 196 | 324 | 2 568 |
| H04AA | Glycogenolytic hormones | 4 997 | 5 142 | 5 018 | 4 767 | 5 207 | 46 | 1 127 | 2 560 | 1 196 | 324 | 2 568 |
| H04AA01 | glucagon | 4 997 | 5 142 | 5 018 | 4 767 | 5 207 | 46 | 1 127 | 2 560 | 1 196 | 324 | 2 568 |
| H05 | CALCIUM HOMEOSTASIS | 348 | 457 | 532 | 602 | 632 | 65 | 0 | 57 | 259 | 316 | 15 879 |
| H05A | PARATHYROID HORMONES AND ANALOGUES | 73 | 125 | 152 | 194 | 224 | 88 | 0 | 6 | 87 | 131 | 6 886 |
| H05AA | Parathyroid hormones and analogues | 73 | 125 | 152 | 194 | 224 | 88 | 0 | 6 | 87 | 131 | 6 886 |
| H05AA02 | teriparatide | 73 | 125 | 152 | 174 | 200 | 88 | 0 | 6 | 80 | 114 | 5 947 |
| H05AA03 | parathyroid hormone | 0 | 0 | 0 | 22 | 25 | 88 | 0 | 0 | 8 | 17 | 939 |
| H05B | ANTI-PARATHYROID AGENTS | 278 | 336 | 383 | 410 | 410 | 53 | 0 | 51 | 173 | 186 | 8 993 |
| H05BA | Calcitonin preparations | 277 | 251 | 194 | 156 | 110 | 85 | 0 | <5 | 23 | 83 | 583 |

ATC group H

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--------------------------------------|-----------------------|-----------|------------|------------|------------|--------------------|-------------------------------------|-----------|------------|------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | <15 | | 15-44 | 45-69 | ≥70 | | |
| H05BA01 | calcitonin (salmon synthetic) | 277 | 251 | 194 | 156 | 110 | 85 | 0 | <5 | 23 | 83 | 583 |
| H05BX | Other anti-parathyroid agents | <5 | 85 | 189 | 254 | 302 | 41 | 0 | 47 | 152 | 103 | 8 410 |
| H05BX01 | cinacalcet | <5 | 85 | 189 | 254 | 302 | 41 | 0 | 47 | 152 | 103 | 8 410 |

3.10 ATC group J – Antiinfectives for systemic use

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|-----------|-----------|-----------|-----------|--------------------|-------------------------------------|---------|---------|---------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| J01 | ANTIBACTERIALS FOR SYSTEMIC USE | 1 034 011 | 1 101 330 | 1 136 876 | 1 167 986 | 1 176 013 | 59 | 158 854 | 477 340 | 366 492 | 173 327 | 282 218 |
| J01A | TETRACYCLINES | 168 556 | 179 255 | 176 509 | 180 324 | 171 758 | 56 | 1 440 | 68 758 | 71 068 | 30 492 | 29 361 |
| J01AA | Tetracyclines | 168 556 | 179 255 | 176 509 | 180 324 | 171 758 | 56 | 1 440 | 68 758 | 71 068 | 30 492 | 29 361 |
| J01AA02 | doxycycline | 135 542 | 144 704 | 141 389 | 144 443 | 135 183 | 57 | 613 | 43 945 | 62 053 | 28 572 | 17 166 |
| J01AA04 | lymecycline | 9 353 | 10 513 | 11 473 | 12 322 | 12 704 | 54 | 245 | 8 659 | 3 198 | 602 | 6 676 |
| J01AA06 | oxytetracycline | 6 573 | 6 463 | 6 065 | 5 785 | 5 594 | 52 | 97 | 3 327 | 1 655 | 515 | 1 053 |
| J01AA07 | tetracycline | 19 456 | 20 173 | 20 131 | 20 337 | 20 654 | 54 | 512 | 14 215 | 4 904 | 1 023 | 4 037 |
| J01AA08 | minocycline | 5 | 5 | 5 | <5 | 8 | 25 | 0 | 6 | <5 | 0 | 12 |
| J01AA12 | tigecycline | 0 | 0 | <5 | <5 | 6 | 17 | <5 | 5 | 0 | 0 | 418 |
| J01B | AMPHENICOLS | <5 | 0 | 0 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 0 |
| J01BA | Amphenicols | <5 | 0 | 0 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 0 |
| J01BA01 | chloramphenicol | <5 | 0 | 0 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 0 |
| J01C | BETA-LACTAM ANTI-BACTERIALS, PENICILLINS | 621 190 | 665 296 | 701 465 | 730 746 | 760 790 | 60 | 119 262 | 304 812 | 225 063 | 111 653 | 118 111 |
| J01CA | Penicillins with extended spectrum | 209 454 | 226 201 | 245 166 | 262 242 | 280 129 | 74 | 34 805 | 94 382 | 85 909 | 65 033 | 53 873 |
| J01CA01 | ampicillin | 24 | 35 | 33 | 32 | 34 | 47 | <5 | 0 | 13 | 19 | 42 |
| J01CA02 | pivampicillin | 5 626 | 5 147 | 4 101 | 1 288 | <5 | 67 | 0 | <5 | 0 | <5 | 4 |
| J01CA04 | amoxicillin | 89 668 | 99 410 | 104 505 | 114 530 | 122 654 | 56 | 30 775 | 32 273 | 37 309 | 22 297 | 15 974 |
| J01CA08 | pivmecillinam | 122 534 | 130 617 | 146 361 | 156 797 | 168 822 | 87 | 4 339 | 65 513 | 52 118 | 46 852 | 37 842 |
| J01CA11 | mecillinam | 5 | <5 | 11 | 12 | 8 | 63 | 0 | <5 | <5 | <5 | 11 |
| J01CE | Beta-lactamase sensitive penicillins | 401 075 | 438 855 | 450 080 | 460 610 | 472 667 | 54 | 88 771 | 203 077 | 133 770 | 47 049 | 44 795 |
| J01CE01 | benzylpenicillin | 56 | 57 | 63 | 53 | 53 | 49 | <5 | 15 | 11 | 26 | 22 |
| J01CE02 | phenoxymethylpenicillin | 401 006 | 438 773 | 449 989 | 460 531 | 472 592 | 54 | 88 769 | 203 042 | 133 753 | 47 028 | 44 661 |
| J01CE08 | benzathine benzylpenicillin | 39 | 48 | 61 | 50 | 46 | 41 | <5 | 29 | 11 | <5 | 112 |
| J01CF | Beta-lactamase resistant penicillins | 59 115 | 53 033 | 65 516 | 73 672 | 78 929 | 48 | 4 974 | 34 153 | 26 631 | 13 171 | 19 210 |
| J01CF01 | dicloxacillin | 55 683 | 46 428 | 62 587 | 71 444 | 76 720 | 48 | 4 876 | 33 231 | 25 881 | 12 732 | 17 266 |
| J01CF02 | cloxacillin | 3 949 | 7 757 | 3 496 | 2 685 | 2 656 | 50 | 98 | 1 078 | 918 | 562 | 1 910 |
| J01CF05 | flucloxacillin | <5 | <5 | <5 | 6 | 19 | 42 | 14 | <5 | <5 | <5 | 35 |
| J01CR | Combinations of penicillins, incl. beta-lactamase inhibitors | 397 | 21 | 48 | 31 | 51 | 55 | 23 | 11 | 7 | 10 | 233 |
| J01CR02 | amoxicillin and enzyme inhibitor | 392 | 8 | 30 | 15 | 37 | 59 | 22 | <5 | <5 | 8 | 40 |
| J01CR05 | piperacillin and enzyme inhibitor | 5 | 13 | 18 | 16 | 14 | 43 | <5 | 7 | <5 | <5 | 192 |
| J01D | OTHER BETA-LACTAM ANTIBACTERIALS | 35 909 | 33 484 | 29 319 | 28 933 | 26 934 | 57 | 3 054 | 9 727 | 9 249 | 4 904 | 7 997 |

ATC group J

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|----------------|---------------|---------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| J01DB First-generation cephalosporins | 35 775 | 33 323 | 29 102 | 28 696 | 26 649 | 57 | 2 997 | 9 622 | 9 184 | 4 846 | 3 915 |
| J01DB01 cefalexin | 35 762 | 33 318 | 29 090 | 28 672 | 26 639 | 57 | 2 996 | 9 617 | 9 182 | 4 844 | 3 900 |
| J01DB03 cefalotin | 13 | 6 | 14 | 24 | 10 | 40 | <5 | 5 | <5 | <5 | 16 |
| J01DC Second-generation cephalosporins | 33 | 41 | 46 | 57 | 66 | 48 | <5 | 12 | 17 | 34 | 56 |
| J01DC02 cefuroxime | 33 | 41 | 46 | 57 | 66 | 48 | <5 | 12 | 17 | 34 | 56 |
| J01DD Third-generation cephalosporins | 105 | 125 | 173 | 197 | 232 | 42 | 62 | 94 | 47 | 29 | 2 041 |
| J01DD01 cefotaxime | 9 | 14 | 16 | 16 | 30 | 47 | <5 | 9 | 9 | 8 | 48 |
| J01DD02 ceftazidime | 52 | 45 | 54 | 66 | 57 | 39 | 13 | 33 | 7 | <5 | 1 582 |
| J01DD04 ceftriaxone | 47 | 68 | 103 | 115 | 148 | 43 | 46 | 53 | 32 | 17 | 410 |
| J01DF Monobactams | 16 | 17 | 12 | 12 | 12 | 50 | 0 | 11 | 0 | <5 | 514 |
| J01DF01 aztreonam | 16 | 17 | 12 | 12 | 12 | 50 | 0 | 11 | 0 | <5 | 514 |
| J01DH Carbapenems | 32 | 37 | 34 | 29 | 31 | 52 | 12 | 11 | 6 | <5 | 1 471 |
| J01DH02 meropenem | 29 | 35 | 34 | 27 | 30 | 53 | 12 | 11 | 5 | <5 | 1 299 |
| J01DH03 ertapenem | 0 | 0 | 0 | <5 | <5 | 0 | <5 | 0 | 0 | <5 | 151 |
| J01DH51 imipenem and enzyme inhibitor | <5 | <5 | 0 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 21 |
| J01E SULFONAMIDES AND TRIMETHOPRIM | 132 720 | 134 734 | 131 636 | 125 909 | 123 309 | 78 | 13 207 | 35 110 | 38 681 | 36 311 | 13 420 |
| J01EA Trimethoprim and derivatives | 104 287 | 105 776 | 102 064 | 96 491 | 92 610 | 86 | 7 944 | 27 129 | 28 497 | 29 040 | 9 302 |
| J01EA01 trimethoprim | 104 287 | 105 776 | 102 064 | 96 491 | 92 610 | 86 | 7 944 | 27 129 | 28 497 | 29 040 | 9 302 |
| J01EE Combinations of sulfonamides and trimethoprim, incl. derivatives | 32 823 | 33 489 | 33 886 | 33 469 | 34 804 | 56 | 5 784 | 8 776 | 11 357 | 8 887 | 4 118 |
| J01EE01 sulfamethoxazole and trimethoprim | 32 823 | 33 489 | 33 886 | 33 469 | 34 804 | 56 | 5 784 | 8 776 | 11 357 | 8 887 | 4 118 |
| J01F MACROLIDES, LINCOSAMIDES AND STREPTOGRAMINS | 270 274 | 301 998 | 317 040 | 326 009 | 308 867 | 57 | 44 700 | 145 417 | 91 908 | 26 842 | 54 099 |
| J01FA Macrolides | 244 540 | 271 007 | 285 956 | 292 005 | 271 028 | 58 | 40 844 | 129 006 | 79 227 | 21 951 | 41 544 |
| J01FA01 erythromycin | 134 119 | 150 319 | 161 938 | 158 247 | 142 036 | 58 | 32 536 | 57 461 | 39 697 | 12 342 | 19 163 |
| J01FA02 spiramycin | 4 413 | 4 181 | 4 149 | 4 371 | 3 568 | 61 | 59 | 1 451 | 1 643 | 415 | 600 |
| J01FA09 clarithromycin | 49 638 | 50 739 | 50 845 | 51 571 | 44 012 | 57 | 5 003 | 16 193 | 16 890 | 5 926 | 7 660 |
| J01FA10 azithromycin | 66 207 | 76 886 | 81 225 | 90 864 | 92 530 | 58 | 4 435 | 59 610 | 24 446 | 4 039 | 14 120 |
| J01FA15 telithromycin | 18 | 0 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| J01FF Lincosamides | 31 188 | 37 647 | 37 933 | 41 651 | 45 796 | 53 | 4 762 | 20 486 | 14 958 | 5 590 | 12 555 |
| J01FF01 clindamycin | 31 188 | 37 647 | 37 933 | 41 651 | 45 796 | 53 | 4 762 | 20 486 | 14 958 | 5 590 | 12 555 |
| J01G AMINOGLYCOSIDE ANTIBACTERIALS | 214 | 248 | 257 | 282 | 276 | 47 | 118 | 100 | 45 | 13 | 11 015 |

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|---|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|--------|--------|--------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| J01GA Streptomycins | <5 | <5 | <5 | 0 | <5 | 100 | 0 | <5 | 0 | 0 | 8 |
| J01GA01 streptomycin | <5 | <5 | <5 | 0 | <5 | 100 | 0 | <5 | 0 | 0 | 8 |
| J01GB Other aminoglycosides | 213 | 246 | 256 | 282 | 275 | 47 | 118 | 99 | 45 | 13 | 11 007 |
| J01GB01 tobramycin | 187 | 226 | 229 | 253 | 243 | 47 | 109 | 92 | 34 | 8 | 10 588 |
| J01GB03 gentamicin | 25 | 19 | 23 | 25 | 28 | 46 | 9 | 7 | 8 | <5 | 153 |
| J01GB06 amikacin | <5 | <5 | <5 | 5 | 6 | 50 | <5 | <5 | <5 | <5 | 266 |
| J01GB07 netilmicin | 0 | 0 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| J01M QUINOLONE ANTIBACTERIALS | 42 639 | 46 990 | 51 286 | 55 835 | 59 696 | 51 | 418 | 15 660 | 24 385 | 19 233 | 16 816 |
| J01MA Fluoroquinolones | 42 638 | 46 989 | 51 285 | 55 835 | 59 696 | 51 | 418 | 15 660 | 24 385 | 19 233 | 16 816 |
| J01MA01 ofloxacin | 3 766 | 3 422 | 3 199 | 3 001 | 2 999 | 48 | <5 | 855 | 1 187 | 955 | 891 |
| J01MA02 ciprofloxacin | 39 322 | 44 042 | 48 526 | 53 220 | 57 086 | 51 | 417 | 14 840 | 23 370 | 18 459 | 15 782 |
| J01MA12 levofloxacin | <5 | 0 | <5 | 5 | <5 | 0 | 0 | <5 | <5 | 0 | 32 |
| J01MA14 moxifloxacin | 0 | 0 | 0 | 36 | 65 | 34 | 0 | 61 | <5 | 0 | 111 |
| J01MB Other quinolones | <5 | <5 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| J01MB02 nalidixic acid | <5 | <5 | <5 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| J01X OTHER ANTIBACTERIALS | 42 672 | 44 071 | 45 040 | 46 598 | 47 671 | 84 | 1 426 | 10 364 | 15 062 | 20 819 | 31 399 |
| J01XA Glycopeptide antibacterials | 14 | 16 | 14 | 23 | 29 | 28 | 11 | <5 | 9 | 7 | 860 |
| J01XA01 vancomycin | 9 | 11 | 11 | 21 | 23 | 22 | 11 | <5 | 7 | <5 | 339 |
| J01XA02 teicoplanin | 5 | 5 | <5 | <5 | 6 | 50 | 0 | 0 | <5 | <5 | 521 |
| J01XB Polymyxins | 67 | 73 | 79 | 66 | 60 | 53 | 12 | 33 | 10 | 5 | 1 859 |
| J01XB01 colistin | 47 | 39 | 47 | 37 | 30 | 53 | <5 | 21 | <5 | <5 | 414 |
| J01XC Steroid antibacterials | 1 420 | 1 097 | 868 | 865 | 860 | 54 | 31 | 284 | 302 | 243 | 535 |
| J01XC01 fusidic acid | 1 420 | 1 097 | 868 | 865 | 860 | 54 | 31 | 284 | 302 | 243 | 535 |
| J01XD Imidazole derivatives | 12 | 8 | 12 | 16 | 16 | 38 | <5 | <5 | 9 | <5 | 56 |
| J01XD01 metronidazole | 12 | 8 | 12 | 16 | 16 | 38 | <5 | <5 | 9 | <5 | 56 |
| J01XE Nitrofurantoin derivatives | 28 436 | 29 002 | 29 180 | 29 368 | 29 363 | 87 | 1 289 | 7 989 | 9 306 | 10 779 | 3 428 |
| J01XE01 nitrofurantoin | 28 436 | 29 002 | 29 180 | 29 368 | 29 363 | 87 | 1 289 | 7 989 | 9 306 | 10 779 | 3 428 |
| J01XX Other antibacterials | 15 622 | 17 030 | 18 199 | 19 847 | 21 151 | 82 | 115 | 2 580 | 6 620 | 11 836 | 24 662 |
| J01XX04 spectinomycin | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| J01XX05 methenamine | 15 500 | 16 900 | 18 074 | 19 704 | 20 981 | 82 | 115 | 2 556 | 6 543 | 11 767 | 16 525 |
| J01XX08 linezolid | 123 | 134 | 128 | 146 | 177 | 44 | 0 | 24 | 79 | 74 | 8 137 |
| J02 ANTIMYCOTICS FOR SYSTEMIC USE | 32 887 | 34 157 | 36 874 | 39 033 | 40 625 | 87 | 345 | 26 273 | 11 235 | 2 772 | 16 649 |
| J02A ANTIMYCOTICS FOR SYSTEMIC USE | 32 887 | 34 157 | 36 874 | 39 033 | 40 625 | 87 | 345 | 26 273 | 11 235 | 2 772 | 16 649 |
| J02AA Antibiotics | <5 | 0 | 7 | <5 | <5 | 0 | 0 | 0 | 0 | <5 | 0 |
| J02AA01 amphotericin B | <5 | 0 | 7 | <5 | <5 | 0 | 0 | 0 | 0 | <5 | 0 |

ATC group J

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|--------|--------|-------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| J02AB | Imidazole derivatives | 2 182 | 2 239 | 2 317 | 2 325 | 2 284 | 46 | 15 | 1 554 | 636 | 79 | 674 |
| J02AB02 | ketoconazole | 2 182 | 2 239 | 2 317 | 2 325 | 2 284 | 46 | 15 | 1 554 | 636 | 79 | 674 |
| J02AC | Triazole derivatives | 30 791 | 32 009 | 34 664 | 36 782 | 38 448 | 89 | 331 | 24 794 | 10 624 | 2 699 | 14 777 |
| J02AC01 | fluconazole | 30 560 | 31 747 | 34 357 | 36 534 | 38 206 | 89 | 328 | 24 682 | 10 514 | 2 682 | 9 636 |
| J02AC02 | itraconazole | 314 | 330 | 403 | 317 | 305 | 79 | <5 | 185 | 103 | 13 | 454 |
| J02AC03 | voriconazole | 29 | 45 | 62 | 59 | 65 | 42 | <5 | 13 | 45 | 6 | 4 143 |
| J02AC04 | posaconazole | 0 | 0 | 0 | <5 | 7 | 57 | <5 | <5 | <5 | <5 | 544 |
| J02AX | Other antimycotics for systemic use | 0 | <5 | <5 | <5 | <5 | 67 | 0 | 0 | <5 | 0 | 1 198 |
| J02AX04 | caspofungin | 0 | <5 | <5 | <5 | <5 | 67 | 0 | 0 | <5 | 0 | 1 198 |
| J04 | ANTIMYCOBACTERIALS | 776 | 801 | 887 | 907 | 901 | 46 | 25 | 227 | 355 | 294 | 1 647 |
| J04A | DRUGS FOR TREATMENT OF TUBERCULOSIS | 332 | 352 | 448 | 474 | 470 | 53 | 18 | 145 | 169 | 138 | 1 521 |
| J04AB | Antibiotics | 191 | 217 | 267 | 314 | 316 | 53 | 10 | 66 | 121 | 119 | 1 080 |
| J04AB02 | rifampicin | 172 | 197 | 245 | 296 | 302 | 54 | 9 | 60 | 115 | 118 | 715 |
| J04AB04 | rifabutin | 19 | 23 | 24 | 17 | 15 | 40 | <5 | 7 | 6 | <5 | 280 |
| J04AB30 | capreomycin | 0 | 0 | 0 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 85 |
| J04AC | Hydrazides | 72 | 62 | 55 | 43 | 30 | 73 | <5 | 12 | 13 | <5 | 51 |
| J04AC01 | isoniazid | 72 | 62 | 55 | 43 | 30 | 73 | <5 | 12 | 13 | <5 | 51 |
| J04AD | Thiocarbamide derivatives | <5 | 0 | 0 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 2 |
| J04AD01 | protionamide | <5 | 0 | 0 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 2 |
| J04AK | Other drugs for treatment of tuberculosis | 119 | 124 | 155 | 125 | 93 | 51 | <5 | 37 | 35 | 18 | 260 |
| J04AK01 | pyrazinamide | 36 | 25 | 40 | 25 | 12 | 75 | <5 | 9 | <5 | 0 | 22 |
| J04AK02 | ethambutol | 99 | 114 | 139 | 121 | 91 | 52 | <5 | 36 | 34 | 18 | 238 |
| J04AM | Combinations of drugs for treatment of tuberculosis | 88 | 88 | 115 | 92 | 101 | 47 | <5 | 60 | 25 | 12 | 128 |
| J04AM02 | rifampicin and isoniazid | 53 | 66 | 82 | 67 | 72 | 50 | <5 | 45 | 16 | 7 | 80 |
| J04AM05 | rifampicin, pyrazinamide and isoniazid | 46 | 36 | 50 | 32 | 32 | 38 | 0 | 17 | 9 | 6 | 33 |
| J04AM06 | rifampicin, pyrazinamide, ethambutol and isoniazid | 0 | 0 | 0 | <5 | 13 | 31 | 0 | 10 | <5 | 0 | 14 |
| J04B | DRUGS FOR TREATMENT OF LEPRO | 445 | 449 | 439 | 436 | 433 | 39 | 7 | 83 | 187 | 156 | 126 |
| J04BA | Drugs for treatment of lepra | 445 | 449 | 439 | 436 | 433 | 39 | 7 | 83 | 187 | 156 | 126 |
| J04BA01 | clofazimine | 0 | 0 | 0 | 0 | <5 | 100 | 0 | <5 | 0 | 0 | 0 |
| J04BA02 | dapsone | 445 | 449 | 439 | 436 | 432 | 38 | 7 | 82 | 187 | 156 | 126 |
| J05 | ANTIVIRALS FOR SYSTEMIC USE | 16 229 | 39 129 | 24 139 | 24 503 | 24 452 | 61 | 383 | 12 237 | 8 768 | 3 064 | 229 920 |
| J05A | DIRECT ACTING ANTIVIRALS | 16 229 | 39 129 | 24 139 | 24 503 | 24 452 | 61 | 383 | 12 237 | 8 768 | 3 064 | 229 920 |

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|--------------|--------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| J05AB Nucleosides and nucleotides excl. reverse transcriptase inhibitors | 14 534 | 16 164 | 18 391 | 19 835 | 21 688 | 64 | 330 | 10 726 | 7 667 | 2 965 | 58 585 |
| J05AB01 aciclovir | 6 402 | 7 596 | 8 359 | 8 781 | 9 819 | 67 | 177 | 4 683 | 3 403 | 1 556 | 5 032 |
| J05AB04 ribavirin | 571 | 602 | 662 | 727 | 799 | 33 | 0 | 485 | 314 | 0 | 24 252 |
| J05AB06 ganciclovir | <5 | 0 | <5 | 0 | <5 | 0 | 0 | <5 | 0 | 0 | 6 |
| J05AB11 valaciclovir | 7 605 | 8 093 | 9 532 | 10 462 | 11 300 | 63 | 155 | 5 764 | 3 956 | 1 425 | 20 302 |
| J05AB12 cidofovir | 0 | 0 | <5 | 0 | <5 | 0 | 0 | <5 | 0 | 0 | 51 |
| J05AB14 valganciclovir | 182 | 181 | 191 | 196 | 222 | 35 | <5 | 58 | 140 | 22 | 8 942 |
| J05AD Phosphonic acid derivatives | 0 | 0 | <5 | <5 | 0 | _ | 0 | 0 | 0 | 0 | 0 |
| J05AD01 foscarnet | 0 | 0 | <5 | <5 | 0 | _ | 0 | 0 | 0 | 0 | 0 |
| J05AE Protease inhibitors | 640 | 708 | 819 | 959 | 1 095 | 39 | 8 | 638 | 436 | 13 | 49 029 |
| J05AE01 saquinavir | 24 | 20 | 16 | 19 | 17 | 53 | 0 | 11 | 6 | 0 | 605 |
| J05AE02 indinavir | 54 | 46 | 30 | 20 | 10 | 30 | 0 | <5 | 8 | 0 | 170 |
| J05AE03 ritonavir | 73 | 167 | 260 | 310 | 376 | 30 | 0 | 209 | 164 | <5 | 1 522 |
| J05AE04 nelfinavir | 102 | 79 | 68 | 51 | 0 | _ | 0 | 0 | 0 | 0 | 0 |
| J05AE05 amprenavir | <5 | <5 | 0 | 0 | 0 | _ | 0 | 0 | 0 | 0 | 0 |
| J05AE06 lopinavir | 425 | 386 | 410 | 523 | 573 | 47 | 8 | 374 | 183 | 8 | 21 144 |
| J05AE07 fosamprenavir | <5 | 5 | 6 | 5 | <5 | 50 | 0 | <5 | <5 | 0 | 178 |
| J05AE08 atazanavir | 104 | 221 | 353 | 425 | 514 | 30 | <5 | 277 | 230 | 6 | 22 075 |
| J05AE09 tipranavir | 0 | 0 | 6 | 7 | <5 | 0 | 0 | <5 | <5 | 0 | 180 |
| J05AE10 darunavir | 0 | 0 | 0 | 25 | 48 | 21 | 0 | 14 | 34 | 0 | 3 155 |
| J05AF Nucleoside and nucleotide reverse transcriptase inhibitors | 479 | 539 | 450 | 400 | 391 | 32 | 17 | 181 | 189 | <5 | 16 735 |
| J05AF01 zidovudine | 72 | 71 | 69 | 61 | 55 | 45 | 9 | 25 | 20 | <5 | 1 143 |
| J05AF02 didanosine | 193 | 182 | 131 | 102 | 76 | 34 | <5 | 37 | 34 | <5 | 1 387 |
| J05AF04 stavudine | 153 | 99 | 69 | 47 | 27 | 30 | <5 | 12 | 12 | 0 | 466 |
| J05AF05 lamivudine | 279 | 261 | 209 | 174 | 143 | 37 | 9 | 66 | 66 | <5 | 1 796 |
| J05AF06 abacavir | 71 | 82 | 51 | 52 | 46 | 30 | 0 | 19 | 25 | <5 | 1 159 |
| J05AF07 tenofovir disoproxil | 132 | 224 | 191 | 155 | 148 | 32 | <5 | 67 | 78 | 0 | 5 707 |
| J05AF08 adefovir dipivoxil | 14 | 26 | 32 | 36 | 38 | 24 | 0 | 15 | 23 | 0 | 2 035 |
| J05AF09 emtricitabine | 8 | 90 | 47 | 20 | 13 | 38 | 0 | 6 | 7 | 0 | 284 |
| J05AF10 entecavir | 0 | 0 | <5 | 23 | 55 | 27 | 0 | 31 | 24 | 0 | 2 506 |
| J05AF11 telbivudine | 0 | 0 | 0 | <5 | 6 | 17 | 0 | <5 | <5 | 0 | 253 |
| J05AG Non-nucleoside reverse transcriptase inhibitors | 419 | 465 | 514 | 573 | 630 | 36 | 11 | 328 | 283 | 8 | 17 176 |
| J05AG01 nevirapine | 178 | 180 | 176 | 179 | 180 | 36 | 8 | 88 | 81 | <5 | 4 205 |
| J05AG03 efavirenz | 250 | 298 | 342 | 398 | 455 | 36 | <5 | 242 | 205 | 5 | 12 971 |

ATC group J

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|--------------|--------------|--------------|--------------------|-------------------------------------|------------|------------|-----------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| J05AH | Neuraminidase inhibitors | 740 | 22 151 | 4 584 | 3 270 | 1 086 | 55 | 34 | 589 | 384 | 79 | 322 |
| J05AH01 | zanamivir | 49 | 36 | 0 | <5 | 108 | 55 | 5 | 42 | 48 | 13 | 34 |
| J05AH02 | oseltamivir | 692 | 22 120 | 4 584 | 3 268 | 980 | 55 | 29 | 548 | 337 | 66 | 288 |
| J05AR | Antivirals for treatment of HIV infections, combinations | 688 | 800 | 1 054 | 1 297 | 1 546 | 37 | 6 | 867 | 655 | 18 | 83 981 |
| J05AR01 | zidovudine and lamivudine | 644 | 681 | 676 | 682 | 634 | 43 | <5 | 367 | 255 | 9 | 21 737 |
| J05AR02 | lamivudine and abacavir | 0 | 87 | 125 | 161 | 229 | 33 | 0 | 124 | 101 | <5 | 9 381 |
| J05AR03 | tenofovir disoproxil and emtricitabine | 0 | 35 | 315 | 518 | 738 | 34 | <5 | 415 | 315 | 6 | 45 338 |
| J05AR04 | zidovudine, lamivudine and abacavir | 49 | 44 | 38 | 39 | 35 | 43 | <5 | 11 | 23 | 0 | 2 175 |
| J05AR06 | emtricitabine, tenofovir disoproxil and efavirenz | 0 | 0 | 0 | 0 | 130 | 26 | 0 | 78 | 52 | 0 | 5 349 |
| J05AX | Other antivirals | 11 | 7 | 7 | 8 | 50 | 36 | 0 | 19 | 31 | 0 | 4 092 |
| J05AX05 | inosine pranobex | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 26 |
| J05AX07 | enfuvirtide | 10 | 6 | 6 | 7 | 6 | 33 | 0 | <5 | 5 | 0 | 627 |
| J05AX08 | raltegravir | 0 | 0 | 0 | 0 | 48 | 35 | 0 | 18 | 30 | 0 | 3 263 |
| J05AX09 | maraviroc | 0 | 0 | 0 | 0 | 5 | 0 | 0 | <5 | <5 | 0 | 177 |

3.11 ATC group L – Antineoplastic and immunomodulating

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|--------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15–44 | 45–69 | ≥70 | |
| L02 | ENDOCRINE THERAPY | 20 238 | 21 608 | 22 455 | 23 651 | 24 492 | 51 | 189 | 2 295 | 8 798 | 13 210 | 331 926 |
| L02A | HORMONES AND RELATED AGENTS | 9 516 | 10 025 | 10 194 | 10 626 | 10 746 | 20 | 186 | 1 739 | 1 999 | 6 822 | 114 001 |
| L02AA | Estrogens | 111 | 99 | 79 | 75 | 47 | 11 | 0 | <5 | 13 | 33 | 70 |
| L02AA02 | polyestradiol phosphate | 111 | 99 | 79 | 75 | 47 | 11 | 0 | <5 | 13 | 33 | 70 |
| L02AB | Progestogens | 389 | 358 | 313 | 294 | 219 | 79 | 0 | 5 | 100 | 114 | 628 |
| L02AB01 | megestrol | 285 | 257 | 227 | 216 | 183 | 75 | 0 | 5 | 92 | 86 | 499 |
| L02AB02 | medroxyprogesterone | 106 | 102 | 90 | 79 | 43 | 95 | 0 | <5 | 9 | 33 | 129 |
| L02AE | Gonadotropin releasing hormone analogues | 9 068 | 9 611 | 9 840 | 10 292 | 10 509 | 19 | 186 | 1 733 | 1 895 | 6 695 | 113 303 |
| L02AE01 | buserelin | 1 348 | 1 495 | 1 370 | 1 364 | 1 331 | 99 | 0 | 1 310 | 12 | 9 | 2 284 |
| L02AE02 | leuprorelin | 3 568 | 3 641 | 3 467 | 3 544 | 3 790 | 10 | 184 | 185 | 580 | 2 841 | 43 007 |
| L02AE03 | goserelin | 4 233 | 4 631 | 5 170 | 5 506 | 5 538 | 6 | <5 | 260 | 1 342 | 3 934 | 68 006 |
| L02AE04 | triptorelin | <5 | 0 | <5 | <5 | <5 | 100 | 0 | <5 | <5 | 0 | 6 |
| L02B | HORMONE ANTAGONISTS AND RELATED AGENTS | 13 047 | 14 101 | 14 904 | 16 018 | 16 863 | 62 | <5 | 606 | 7 811 | 8 443 | 217 925 |
| L02BA | Anti-estrogens | 6 508 | 6 635 | 5 841 | 5 566 | 5 485 | 98 | <5 | 546 | 3 212 | 1 725 | 13 670 |
| L02BA01 | tamoxifen | 6 468 | 6 461 | 5 602 | 5 316 | 5 236 | 98 | <5 | 540 | 3 080 | 1 614 | 6 101 |
| L02BA03 | fulvestrant | 52 | 182 | 257 | 271 | 268 | 99 | 0 | 6 | 145 | 117 | 7 569 |
| L02BB | Anti-androgens | 4 868 | 5 215 | 5 512 | 6 003 | 6 357 | 0 | 0 | 8 | 1 622 | 4 727 | 135 759 |
| L02BB01 | flutamide | 634 | 574 | 481 | 430 | 389 | 1 | 0 | 5 | 79 | 305 | 1 851 |
| L02BB03 | bicalutamide | 4 266 | 4 676 | 5 058 | 5 595 | 5 990 | 0 | 0 | <5 | 1 549 | 4 438 | 133 907 |
| L02BG | Enzyme inhibitors | 2 226 | 3 676 | 4 610 | 5 518 | 5 955 | 99 | <5 | 71 | 3 552 | 2 331 | 68 496 |
| L02BG03 | anastrozole | 1 206 | 2 206 | 2 741 | 3 253 | 3 442 | 99 | 0 | 37 | 2 115 | 1 290 | 37 223 |
| L02BG04 | letrozole | 749 | 872 | 994 | 1 175 | 1 388 | 99 | <5 | 19 | 755 | 613 | 15 196 |
| L02BG06 | exemestane | 436 | 774 | 1 074 | 1 272 | 1 359 | 100 | 0 | 19 | 831 | 509 | 16 077 |
| L03 | IMMUNOSTIMULANTS | 3 408 | 3 730 | 4 354 | 4 881 | 5 315 | 60 | 42 | 2 243 | 2 722 | 308 | 370 580 |
| L03A | IMMUNOSTIMULANTS | 3 408 | 3 730 | 4 354 | 4 881 | 5 315 | 60 | 42 | 2 243 | 2 722 | 308 | 370 580 |
| L03AA | Colony stimulating factors | 849 | 1 009 | 1 417 | 1 707 | 1 907 | 60 | 34 | 397 | 1 201 | 275 | 78 149 |
| L03AA02 | filgrastim | 553 | 315 | 366 | 378 | 362 | 46 | 34 | 84 | 215 | 29 | 9 991 |
| L03AA13 | pegfilgrastim | 378 | 763 | 1 137 | 1 424 | 1 629 | 62 | <5 | 336 | 1 042 | 250 | 68 158 |
| L03AB | Interferons | 2 203 | 2 335 | 2 486 | 2 601 | 2 653 | 56 | 8 | 1 422 | 1 195 | 28 | 219 427 |
| L03AB01 | interferon alfa natural | 0 | 0 | 0 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 34 |
| L03AB03 | interferon gamma | 10 | 8 | 10 | 11 | 11 | 55 | 6 | 5 | 0 | 0 | 1 660 |
| L03AB04 | interferon alfa-2a | 32 | 41 | 57 | 20 | 5 | 20 | 0 | 0 | <5 | <5 | 178 |
| L03AB05 | interferon alfa-2b | 269 | 203 | 158 | 113 | 79 | 37 | 0 | 11 | 53 | 15 | 2 279 |
| L03AB07 | interferon beta-1a | 972 | 1 088 | 1 206 | 1 311 | 1 329 | 70 | <5 | 734 | 591 | <5 | 144 331 |
| L03AB08 | interferon beta-1b | 300 | 305 | 334 | 336 | 361 | 68 | 0 | 162 | 198 | <5 | 31 630 |

ATC group L

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|---------------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| L03AB10 | peginterferon alfa-2b | 359 | 443 | 446 | 503 | 461 | 34 | 0 | 259 | 195 | 7 | 20 921 |
| L03AB11 | peginterferon alfa-2a | 295 | 265 | 299 | 324 | 424 | 31 | 0 | 263 | 159 | <5 | 18 393 |
| L03AC | Interleukins | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 15 |
| L03AC01 | aldesleukin | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 15 |
| L03AX | Other immunostimulants | 398 | 425 | 506 | 668 | 859 | 72 | 0 | 480 | 374 | 5 | 72 988 |
| L03AX03 | BCG vaccine | 13 | 12 | 8 | 5 | <5 | 25 | 0 | 0 | <5 | <5 | 20 |
| L03AX13 | glatiramer acetate | 385 | 413 | 498 | 663 | 855 | 72 | 0 | 480 | 373 | <5 | 72 968 |
| L04 | IMMUNOSUPPRESSANTS | 23 934 | 26 854 | 29 180 | 32 294 | 34 817 | 57 | 774 | 9 582 | 18 326 | 6 135 | 1 046 885 |
| L04A | IMMUNOSUPPRESSANTS | 23 934 | 26 854 | 29 180 | 32 294 | 34 817 | 57 | 774 | 9 582 | 18 326 | 6 135 | 1 046 885 |
| L04AA | Selective immunosuppressants | 2 689 | 2 912 | 3 295 | 3 787 | 4 264 | 49 | 43 | 1 016 | 2 551 | 654 | 113 669 |
| L04AA06 | mycophenolic acid | 1 441 | 1 662 | 1 925 | 2 295 | 2 622 | 39 | 40 | 734 | 1 540 | 308 | 67 918 |
| L04AA10 | sirolimus | 66 | 59 | 76 | 68 | 68 | 31 | <5 | 16 | 42 | 6 | 2 810 |
| L04AA13 | leflunomide | 1 221 | 1 158 | 1 214 | 1 260 | 1 301 | 71 | 0 | 157 | 815 | 329 | 6 886 |
| L04AA18 | everolimus | 7 | 62 | 147 | 228 | 252 | 25 | 0 | 44 | 178 | 30 | 14 758 |
| L04AA21 | efalizumab | 0 | 45 | 85 | 127 | 196 | 43 | 0 | 74 | 117 | 5 | 15 382 |
| L04AA23 | natalizumab | 0 | 0 | 0 | 0 | 39 | 64 | 0 | 30 | 9 | 0 | 5 461 |
| L04AA24 | abatacept | 0 | 0 | 0 | 13 | 7 | 57 | 0 | <5 | 5 | <5 | 455 |
| L04AB | Tumor necrosis factor alpha (TNF-α) inhibitors | 3 571 | 4 586 | 5 536 | 6 540 | 7 452 | 56 | 138 | 2 611 | 4 075 | 628 | 770 326 |
| L04AB01 | etanercept | 2 816 | 3 602 | 4 122 | 4 554 | 5 259 | 56 | 120 | 1 723 | 2 963 | 453 | 521 200 |
| L04AB02 | infliximab | <5 | <5 | 20 | 405 | 128 | 48 | <5 | 53 | 66 | 5 | 12 124 |
| L04AB04 | adalimumab | 935 | 1 125 | 1 631 | 1 790 | 2 317 | 57 | 19 | 950 | 1 167 | 181 | 237 002 |
| L04AC | Interleukin inhibitors | 72 | 62 | 55 | 61 | 58 | 55 | 12 | 19 | 24 | <5 | 5 259 |
| L04AC03 | anakinra | 72 | 62 | 55 | 61 | 58 | 55 | 12 | 19 | 24 | <5 | 5 259 |
| L04AD | Calcineurin inhibitors | 3 905 | 4 054 | 4 166 | 4 327 | 4 346 | 39 | 115 | 1 259 | 2 434 | 538 | 124 835 |
| L04AD01 | ciclosporin | 3 399 | 3 442 | 3 445 | 3 424 | 3 276 | 38 | 49 | 845 | 1 895 | 487 | 79 068 |
| L04AD02 | tacrolimus | 563 | 675 | 769 | 975 | 1 147 | 41 | 72 | 440 | 581 | 54 | 45 767 |
| L04AX | Other immunosuppressants | 18 454 | 20 596 | 22 043 | 24 132 | 25 674 | 60 | 588 | 6 635 | 13 404 | 5 047 | 32 796 |
| L04AX01 | azathioprine | 5 028 | 5 464 | 5 661 | 5 951 | 6 000 | 52 | 169 | 2 753 | 2 454 | 624 | 8 074 |
| L04AX02 | thalidomide | 193 | 231 | 274 | 356 | 332 | 46 | 9 | 7 | 124 | 192 | 4 378 |
| L04AX03 | methotrexate | 13 320 | 15 004 | 16 203 | 17 919 | 19 407 | 62 | 413 | 3 904 | 10 860 | 4 230 | 8 717 |
| L04AX04 | lenalidomide | 0 | 0 | 0 | <5 | 58 | 31 | 0 | <5 | 38 | 19 | 11 626 |

3.12 ATC group M – Musculo-skeletal system

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|---------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15–44 | 45–69 | ≥70 | |
| M01 | ANTIINFLAMMATORY AND ANTIRHEUMATIC PRODUCTS | 823 173 | 783 456 | 803 642 | 822 452 | 826 527 | 57 | 11 587 | 333 132 | 372 086 | 109 722 | 204 317 |
| M01A | ANTIINFLAMMATORY AND ANTIRHEUMATIC PRODUCTS, NON-STEROIDS | 823 000 | 783 281 | 803 457 | 822 317 | 826 386 | 57 | 11 586 | 333 120 | 372 010 | 109 670 | 202 447 |
| M01AA | Butylpyrazolidines | <5 | <5 | <5 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 1 |
| M01AA01 | phenylbutazone | <5 | <5 | <5 | 0 | <5 | 0 | 0 | 0 | <5 | 0 | 1 |
| M01AB | Acetic acid derivatives and related substances | 256 230 | 352 480 | 389 170 | 436 287 | 496 954 | 55 | 6 941 | 214 404 | 221 161 | 54 448 | 66 684 |
| M01AB01 | indometacin | 12 211 | 12 801 | 13 002 | 12 711 | 11 873 | 53 | 38 | 3 780 | 5 912 | 2 143 | 2 671 |
| M01AB02 | sulindac | 741 | 854 | 750 | 751 | 597 | 61 | 0 | 81 | 267 | 249 | 724 |
| M01AB05 | diclofenac | 233 715 | 321 485 | 360 617 | 408 728 | 470 257 | 55 | 6 886 | 208 488 | 207 472 | 47 411 | 49 040 |
| M01AB15 | ketorolac | 5 | <5 | 8 | 7 | 7 | 86 | 0 | <5 | 5 | 0 | 2 |
| M01AB16 | aceclofenac | 1 381 | 1 658 | 360 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| M01AB55 | diclofenac, combinations | 11 779 | 22 468 | 21 104 | 21 643 | 22 204 | 64 | 23 | 4 568 | 11 668 | 5 945 | 14 246 |
| M01AC | Oxicams | 154 453 | 197 572 | 201 052 | 167 622 | 87 986 | 57 | 297 | 29 234 | 44 987 | 13 468 | 24 092 |
| M01AC01 | piroxicam | 134 864 | 164 983 | 172 204 | 140 361 | 60 533 | 54 | 231 | 22 933 | 30 796 | 6 573 | 15 556 |
| M01AC06 | meloxicam | 20 723 | 35 330 | 31 151 | 29 434 | 28 489 | 63 | 66 | 6 601 | 14 763 | 7 059 | 8 535 |
| M01AE | Propionic acid derivatives | 229 176 | 250 484 | 251 798 | 262 455 | 276 986 | 61 | 4 556 | 115 005 | 121 450 | 35 975 | 61 632 |
| M01AE01 | ibuprofen ¹⁾ | 162 620 | 176 266 | 183 558 | 193 708 | 207 521 | 62 | 3 678 | 92 288 | 88 529 | 23 026 | 34 387 |
| M01AE02 | naproxen ¹⁾ | 63 880 | 71 216 | 64 988 | 64 432 | 66 310 | 58 | 887 | 22 556 | 31 012 | 11 855 | 23 439 |
| M01AE03 | ketoprofen | 6 817 | 8 222 | 8 279 | 8 789 | 8 440 | 61 | 32 | 2 136 | 4 510 | 1 762 | 3 428 |
| M01AE14 | dexibuprofen | 712 | 1 005 | 1 223 | 2 182 | 2 122 | 57 | 6 | 977 | 915 | 224 | 378 |
| M01AG | Fenamates | 937 | 1 003 | 918 | 847 | 816 | 79 | <5 | 539 | 263 | 11 | 745 |
| M01AG02 | tolfenamic acid | 937 | 1 003 | 918 | 847 | 816 | 79 | <5 | 539 | 263 | 11 | 745 |
| M01AH | Coxibs | 331 908 | 76 318 | 34 413 | 37 255 | 36 393 | 54 | 55 | 12 405 | 18 204 | 5 729 | 19 290 |
| M01AH01 | celecoxib | 104 979 | 31 909 | 11 194 | 9 397 | 8 281 | 60 | 9 | 2 292 | 4 349 | 1 631 | 7 920 |
| M01AH02 | rofecoxib | 160 920 | 8 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| M01AH03 | valdecoxib | 65 831 | 14 483 | 6 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| M01AH04 | parecoxib | <5 | 0 | 0 | 0 | <5 | 0 | 0 | <5 | 0 | 0 | 4 |
| M01AH05 | etoricoxib | 52 039 | 31 817 | 23 504 | 28 104 | 28 304 | 53 | 46 | 10 167 | 13 960 | 4 131 | 11 365 |
| M01AX | Other antiinflammatory and antirheumatic agents, non-steroids | 19 316 | 66 335 | 71 115 | 64 408 | 54 971 | 68 | 27 | 5 287 | 31 393 | 18 264 | 30 004 |
| M01AX01 | nabumetone | 6 930 | 14 899 | 12 718 | 12 759 | 11 235 | 66 | 17 | 2 550 | 5 961 | 2 707 | 6 534 |
| M01AX05 | glucosamine | 11 795 | 52 185 | 58 707 | 51 510 | 43 484 | 68 | 9 | 2 713 | 25 273 | 15 489 | 21 881 |
| M01C | SPECIFIC ANTIRHEUMATIC AGENTS | 612 | 498 | 444 | 360 | 325 | 71 | <5 | 36 | 194 | 94 | 1 870 |
| M01CB | Gold preparations | 514 | 418 | 383 | 308 | 267 | 73 | 0 | 28 | 157 | 82 | 714 |
| M01CB01 | sodium aurothiomalate | 259 | 213 | 188 | 109 | 97 | 67 | 0 | 6 | 50 | 41 | 201 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group M

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|--------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| M01CB03 auranofin | 256 | 205 | 196 | 200 | 171 | 77 | 0 | 22 | 107 | 42 | 512 |
| M01CC Penicillamine and similar agents | 15 | 17 | 17 | 15 | 15 | 40 | <5 | <5 | 12 | <5 | 105 |
| M01CC01 penicillamine | 15 | 17 | 17 | 15 | 15 | 40 | <5 | <5 | 12 | <5 | 105 |
| M01CX Other specific antirheumatic agents | 83 | 63 | 44 | 37 | 43 | 67 | 0 | 7 | 25 | 11 | 1 051 |
| M02 TOPICAL PRODUCTS FOR JOINT AND MUSCULAR PAIN | 61 484 | 49 720 | 41 863 | 37 831 | 31 642 | 56 | 1 185 | 10 908 | 12 105 | 7 444 | 4 592 |
| M02A TOPICAL PRODUCTS FOR JOINT AND MUSCULAR PAIN | 61 484 | 49 720 | 41 863 | 37 831 | 31 642 | 56 | 1 185 | 10 908 | 12 105 | 7 444 | 4 592 |
| M02AA Antiinflammatory preparations, non-steroids for topical use | 61 321 | 49 571 | 41 729 | 37 720 | 31 549 | 56 | 1 182 | 10 878 | 12 082 | 7 407 | 4 580 |
| M02AA10 ketoprofen ¹⁾ | 57 306 | 45 267 | 37 832 | 33 759 | 27 435 | 56 | 1 011 | 9 564 | 10 603 | 6 257 | 3 958 |
| M02AA13 ibuprofen ¹⁾ | 4 121 | 4 391 | 3 934 | 3 956 | 4 031 | 59 | 171 | 1 301 | 1 427 | 1 132 | 580 |
| M02AA15 diclofenac | 61 | 62 | 66 | 127 | 172 | 67 | <5 | 34 | 84 | 53 | 41 |
| M02AB Capsaicin and similar agents | 12 | 16 | 14 | 13 | 8 | 75 | 0 | <5 | 5 | <5 | 4 |
| M02AB01 capsaicin | 12 | 16 | 14 | 13 | 8 | 75 | 0 | <5 | 5 | <5 | 4 |
| M02AC Preparations with salicylic acid derivatives | 153 | 142 | 129 | 106 | 89 | 70 | <5 | 27 | 18 | 41 | 7 |
| M02AX Other topical products for joint and muscular pain | 18 | 11 | 10 | 21 | 7 | 57 | 0 | <5 | <5 | <5 | 1 |
| M02AX10 various | 18 | 11 | 10 | 21 | 7 | 57 | 0 | <5 | <5 | <5 | 1 |
| M03 MUSCLE RELAXANTS | 87 685 | 85 501 | 78 562 | 51 844 | 12 840 | 62 | 110 | 4 143 | 7 286 | 1 301 | 15 850 |
| M03B MUSCLE RELAXANTS, CENTRALLY ACTING AGENTS | 87 448 | 85 255 | 78 404 | 51 670 | 12 627 | 62 | 110 | 4 009 | 7 215 | 1 293 | 13 705 |
| M03BA Carbamic acid esters | 84 482 | 82 183 | 75 164 | 48 202 | 8 576 | 67 | 0 | 2 950 | 4 901 | 725 | 6 727 |
| M03BA02 carisoprodol | 84 455 | 82 152 | 75 145 | 48 188 | 8 565 | 67 | 0 | 2 948 | 4 893 | 724 | 6 690 |
| M03BA52 carisoprodol, combinations excl. psycholeptics | 56 | 48 | 33 | 25 | 30 | 77 | 0 | 9 | 20 | <5 | 37 |
| M03BB Oxazol, thiazine, and triazine derivatives | 13 | 15 | 7 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 2 |
| M03BB03 chlorzoxazone | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 2 |
| M03BB53 chlorzoxazone, combinations excl. psycholeptics | 11 | 12 | 5 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| M03BC Ethers, chemically close to antihistamines | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 2 |
| M03BC51 orphenadrine, combinations | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 2 |
| M03BX Other centrally acting agents | 3 235 | 3 344 | 3 500 | 3 834 | 4 221 | 52 | 110 | 1 120 | 2 417 | 574 | 6 975 |
| M03BX01 baclofen | 3 212 | 3 317 | 3 469 | 3 802 | 4 181 | 52 | 110 | 1 105 | 2 392 | 574 | 6 656 |
| M03BX02 tizanidine | 48 | 55 | 59 | 60 | 71 | 38 | 0 | 28 | 40 | <5 | 319 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|-------|--------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| M03C | MUSCLE RELAXANTS, DIRECTLY ACTING AGENTS | <5 | <5 | <5 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 1 |
| M03CA | Dantrolene and derivatives | <5 | <5 | <5 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 1 |
| M03CA01 | dantrolene | <5 | <5 | <5 | <5 | <5 | 0 | 0 | 0 | <5 | 0 | 1 |
| M04 | ANTIGOUT PREPARATIONS | 32 675 | 34 548 | 35 891 | 36 439 | 37 765 | 30 | 15 | 2 290 | 15 933 | 19 527 | 15 745 |
| M04A | ANTIGOUT PREPARATIONS | 32 675 | 34 548 | 35 891 | 36 439 | 37 765 | 30 | 15 | 2 290 | 15 933 | 19 527 | 15 745 |
| M04AA | Preparations inhibiting uric acid production | 30 443 | 32 065 | 33 319 | 33 743 | 34 845 | 31 | <5 | 2 015 | 14 653 | 18 173 | 13 241 |
| M04AA01 | allopurinol | 30 443 | 32 065 | 33 319 | 33 743 | 34 845 | 31 | <5 | 2 015 | 14 653 | 18 173 | 13 241 |
| M04AB | Preparations increasing uric acid excretion | 1 973 | 2 083 | 2 063 | 2 061 | 2 088 | 32 | <5 | 176 | 910 | 1 001 | 1 549 |
| M04AB01 | probenecid | 1 973 | 2 083 | 2 063 | 2 061 | 2 088 | 32 | <5 | 176 | 910 | 1 001 | 1 549 |
| M04AC | Preparations with no effect on uric acid metabolism | 1 394 | 1 713 | 1 906 | 2 064 | 2 355 | 21 | 10 | 218 | 1 046 | 1 081 | 954 |
| M04AC01 | colchicine | 1 394 | 1 713 | 1 906 | 2 064 | 2 355 | 21 | 10 | 218 | 1 046 | 1 081 | 954 |
| M05 | DRUGS FOR TREATMENT OF BONE DISEASES | 49 559 | 54 063 | 56 095 | 56 738 | 56 547 | 90 | 6 | 635 | 18 309 | 37 597 | 62 234 |
| M05B | DRUGS AFFECTING BONE STRUCTURE AND MINERALIZATION | 49 559 | 54 063 | 56 095 | 56 738 | 56 547 | 90 | 6 | 635 | 18 309 | 37 597 | 62 234 |
| M05BA | Bisphosphonates | 44 762 | 50 056 | 52 810 | 53 889 | 54 063 | 89 | 6 | 619 | 17 804 | 35 634 | 56 008 |
| M05BA01 | etidronic acid | 830 | 693 | 567 | 442 | 372 | 94 | 0 | <5 | 51 | 319 | 384 |
| M05BA02 | clodronic acid | 66 | 44 | 40 | 44 | 48 | 67 | 0 | <5 | 22 | 25 | 668 |
| M05BA03 | pamidronic acid | <5 | <5 | <5 | <5 | 10 | 40 | 0 | <5 | 6 | <5 | 39 |
| M05BA04 | alendronic acid | 40 486 | 43 650 | 48 332 | 51 584 | 51 747 | 89 | 6 | 583 | 16 940 | 34 218 | 45 445 |
| M05BA06 | ibandronic acid | 19 | 74 | 1 424 | 719 | 703 | 92 | 0 | 11 | 330 | 362 | 3 802 |
| M05BA07 | risedronic acid | 3 955 | 6 277 | 6 033 | 1 971 | 1 404 | 92 | 0 | 25 | 523 | 856 | 4 324 |
| M05BA08 | zoledronic acid | 49 | 40 | 32 | 47 | 220 | 78 | 0 | 6 | 116 | 98 | 1 344 |
| M05BB | Bisphosphonates, combinations | 5 666 | 4 675 | 3 865 | 3 236 | 2 741 | 94 | 0 | 17 | 565 | 2 159 | 6 226 |
| M05BB01 | etidronic acid and calcium, sequential | 5 666 | 4 674 | 3 860 | 3 235 | 2 741 | 94 | 0 | 17 | 565 | 2 159 | 6 226 |
| M05BB03 | alendronic acid and colecalciferol | 0 | <5 | 5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| M09 | OTHER DRUGS FOR DISORDERS OF THE MUSCULO-SKELETAL SYSTEM | <5 | 5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 2 |
| M09A | OTHER DRUGS FOR DISORDERS OF THE MUSCULO-SKELETAL SYSTEM | <5 | 5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 2 |
| M09AX | Other drugs for disorders of the musculo-skeletal system | <5 | 5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 2 |
| M09AX01 | hyaluronic acid | <5 | 5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 2 |

3.13 ATC group N – Nervous system

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|----------------|--|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|---------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| N02 | ANALGESICS | 564 841 | 600 207 | 618 346 | 647 623 | 674 030 | 60 | 8 358 | 227 981 | 288 418 | 149 273 | 624 829 |
| N02A | OPIOIDS | 431 633 | 451 360 | 456 167 | 470 624 | 482 513 | 57 | 4 593 | 162 770 | 208 158 | 106 992 | 335 532 |
| N02AA | Natural opium alkaloids | 387 340 | 402 882 | 401 145 | 406 294 | 407 849 | 56 | 4 498 | 142 291 | 176 035 | 85 025 | 225 961 |
| N02AA01 | morphine | 7 540 | 7 080 | 6 608 | 6 754 | 6 930 | 46 | 16 | 1 177 | 3 183 | 2 554 | 21 029 |
| N02AA03 | hydromorphone | 0 | 121 | 90 | 65 | 52 | 44 | 0 | 10 | 25 | 17 | 521 |
| N02AA05 | oxycodone | 6 029 | 8 974 | 10 842 | 12 629 | 14 927 | 53 | 7 | 2 187 | 6 798 | 5 935 | 60 347 |
| N02AA08 | dihydrocodeine | 51 | 40 | 35 | 38 | 40 | 65 | 0 | 8 | 27 | 5 | 164 |
| N02AA55 | oxycodone, combinations | 0 | 0 | 0 | 0 | 5 | 20 | 0 | <5 | <5 | 0 | 31 |
| N02AA59 | codeine, combinations excl. psycholeptics | 380 787 | 394 958 | 392 190 | 396 224 | 396 388 | 56 | 4 486 | 140 635 | 170 929 | 80 338 | 143 869 |
| N02AB | Phenylpiperidine derivatives | 9 326 | 9 334 | 9 737 | 10 084 | 10 178 | 57 | 8 | 1 875 | 4 391 | 3 904 | 35 823 |
| N02AB01 | ketobemidone | 3 980 | 3 863 | 3 753 | 3 744 | 3 706 | 52 | <5 | 1 092 | 1 821 | 791 | 3 755 |
| N02AB02 | pethidine | 1 559 | 1 482 | 1 466 | 1 399 | 1 359 | 62 | <5 | 444 | 677 | 237 | 1 830 |
| N02AB03 | fentanyl | 4 380 | 4 559 | 5 098 | 5 496 | 5 620 | 59 | 6 | 450 | 2 144 | 3 020 | 30 238 |
| N02AC | Diphenylpropylamine derivatives | 11 786 | 11 356 | 10 161 | 9 268 | 8 504 | 62 | 0 | 1 378 | 3 782 | 3 344 | 5 414 |
| N02AC03 | piritramide | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N02AC54 | dextropropoxyphene, comb. excl. psycholeptics | 11 785 | 11 356 | 10 161 | 9 268 | 8 504 | 62 | 0 | 1 378 | 3 782 | 3 344 | 5 414 |
| N02AD | Benzomorphan derivatives | 1 591 | 162 | 79 | 52 | 49 | 53 | 0 | 8 | 31 | 10 | 534 |
| N02AD01 | pentazocine | 1 591 | 162 | 79 | 52 | 49 | 53 | 0 | 8 | 31 | 10 | 534 |
| N02AE | Oripavine derivatives | 2 308 | 2 419 | 5 290 | 7 883 | 10 190 | 68 | 0 | 1 398 | 3 040 | 5 752 | 28 104 |
| N02AE01 | buprenorphine | 2 308 | 2 419 | 5 290 | 7 883 | 10 190 | 68 | 0 | 1 398 | 3 040 | 5 752 | 28 104 |
| N02AG | Opioids in combination with antispasmodics | 1 904 | 1 946 | 1 866 | 1 854 | 1 808 | 56 | <5 | 517 | 847 | 440 | 1 644 |
| N02AG01 | morphine and antispasmodics | 88 | 109 | 165 | 178 | 218 | 44 | 0 | 8 | 71 | 139 | 46 |
| N02AG02 | ketobemidone and antispasmodics | 1 820 | 1 839 | 1 708 | 1 684 | 1 597 | 58 | <5 | 509 | 780 | 304 | 1 598 |
| N02AX | Other opioids | 60 802 | 68 161 | 77 715 | 91 720 | 105 478 | 61 | 113 | 30 435 | 46 031 | 28 899 | 38 052 |
| N02AX02 | tramadol | 60 802 | 68 161 | 77 715 | 91 720 | 105 478 | 61 | 113 | 30 435 | 46 031 | 28 899 | 38 052 |
| N02B | OTHER ANALGESICS AND ANTIPYRETICS | 146 652 | 176 813 | 198 086 | 226 056 | 254 223 | 65 | 2 528 | 62 159 | 106 292 | 83 244 | 47 917 |
| N02BA | Salicylic acid and derivatives | 1 685 | 1 493 | 1 222 | 791 | 764 | 59 | 119 | 244 | 215 | 186 | 123 |
| N02BA01 | acetylsalicylic acid ¹⁾ | 885 | 788 | 705 | 779 | 763 | 59 | 119 | 244 | 214 | 186 | 114 |
| N02BA11 | diflunisal | 799 | 703 | 517 | 11 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N02BA51 | acetylsalicylic acid, combinations excl. psycholeptics | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 9 |
| N02BB | Pyrazolones | 1 229 | 1 136 | 1 045 | 987 | 907 | 69 | 9 | 315 | 339 | 244 | 425 |
| N02BB02 | metamizole sodium | 0 | <5 | <5 | 6 | 15 | 33 | 0 | <5 | 10 | <5 | 7 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group N

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|---|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|--------------|---------------|----------------|-------------------|----------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| N02BB51 | phenazone, combinations excl. psycholeptics ¹⁾ | 1 229 | 1 135 | 1 041 | 981 | 892 | 70 | 9 | 313 | 329 | 241 | 418 |
| N02BE | Anilides | 144 303 | 174 805 | 196 365 | 224 751 | 252 989 | 65 | 2 404 | 61 725 | 105 897 | 82 963 | 47 366 |
| N02BE01 | paracetamol ¹⁾ | 144 302 | 174 805 | 196 365 | 224 751 | 252 989 | 65 | 2 404 | 61 725 | 105 897 | 82 963 | 47 366 |
| N02BE05 | propacetamol | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N02BE51 | paracetamol, combinations excl. psycholeptics | 0 | 0 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N02BG | Other analgesics and antipyretics | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | <5 | 0 | 2 |
| N02BG07 | flupirtine | <5 | <5 | <5 | <5 | <5 | 100 | 0 | <5 | <5 | 0 | 2 |
| N02C | ANTIMIGRAINE PREPARATIONS | 78 276 | 81 304 | 83 837 | 86 656 | 87 838 | 79 | 1 628 | 42 913 | 40 122 | 3 175 | 241 381 |
| N02CA | Ergot alkaloids | 6 072 | 5 416 | 4 811 | 4 262 | 3 816 | 82 | 17 | 719 | 2 314 | 766 | 1 686 |
| N02CA04 | methysergide | 11 | 10 | 8 | <5 | 8 | 38 | 0 | 0 | 6 | <5 | 71 |
| N02CA52 | ergotamine, combinations excl. psycholeptics | 25 | 17 | 16 | 14 | 14 | 57 | 0 | 0 | 9 | 5 | 23 |
| N02CA72 | ergotamine, combinations with psycholeptics | 6 043 | 5 391 | 4 790 | 4 245 | 3 797 | 82 | 17 | 719 | 2 301 | 760 | 1 592 |
| N02CC | Selective serotonin (5HT₁) agonists | 71 068 | 74 361 | 77 245 | 80 445 | 82 027 | 79 | 1 554 | 41 690 | 36 479 | 2 304 | 237 982 |
| N02CC01 | sumatriptan | 28 757 | 30 763 | 31 849 | 32 324 | 35 780 | 77 | 1 308 | 18 397 | 15 071 | 1 004 | 87 995 |
| N02CC02 | naratriptan | 1 692 | 1 584 | 1 563 | 1 527 | 1 510 | 85 | 5 | 635 | 807 | 63 | 4 720 |
| N02CC03 | zolmitriptan | 12 291 | 11 997 | 13 666 | 13 948 | 14 932 | 81 | 91 | 7 219 | 7 187 | 435 | 43 183 |
| N02CC04 | rizatriptan | 19 326 | 20 777 | 22 384 | 24 815 | 24 452 | 81 | 202 | 13 453 | 10 185 | 612 | 58 732 |
| N02CC05 | almotriptan | 4 078 | 4 879 | 5 124 | 4 684 | 3 907 | 82 | 18 | 2 239 | 1 562 | 88 | 7 548 |
| N02CC06 | eletriptan | 14 077 | 13 256 | 12 526 | 12 532 | 11 843 | 82 | 56 | 5 974 | 5 565 | 248 | 35 796 |
| N02CC07 | frovatriptan | 0 | 0 | 0 | 0 | 12 | 83 | 0 | <5 | 8 | 0 | 7 |
| N02CX | Other antimigraine preparations | 2 754 | 2 949 | 3 093 | 3 154 | 3 121 | 78 | 72 | 868 | 2 010 | 171 | 1 713 |
| N02CX01 | pizotifen | 81 | 92 | 81 | 75 | 63 | 71 | <5 | 18 | 37 | 7 | 147 |
| N02CX02 | clonidine | 2 674 | 2 858 | 3 013 | 3 081 | 3 059 | 78 | 71 | 851 | 1 973 | 164 | 1 566 |
| N03 | ANTIPILEPTICS | 67 532 | 76 515 | 83 661 | 90 853 | 96 984 | 55 | 3 593 | 32 812 | 42 986 | 17 593 | 370 270 |
| N03A | ANTIPILEPTICS | 67 532 | 76 515 | 83 661 | 90 853 | 96 984 | 55 | 3 593 | 32 812 | 42 986 | 17 593 | 370 270 |
| N03AA | Barbiturates and derivatives | 3 725 | 3 554 | 3 340 | 3 111 | 2 955 | 52 | 21 | 372 | 1 552 | 1 010 | 2 056 |
| N03AA02 | phenobarbital | 3 506 | 3 310 | 3 110 | 2 885 | 2 714 | 52 | 21 | 344 | 1 438 | 911 | 1 669 |
| N03AA03 | primidone | 256 | 261 | 247 | 243 | 255 | 50 | 0 | 28 | 123 | 104 | 387 |
| N03AB | Hydantoin derivatives | 2 986 | 2 861 | 2 661 | 2 485 | 2 329 | 42 | 23 | 334 | 1 244 | 728 | 1 139 |
| N03AB02 | phenytoin | 2 986 | 2 859 | 2 661 | 2 484 | 2 329 | 42 | 23 | 334 | 1 244 | 728 | 1 139 |
| N03AB05 | fosphenytoin | 0 | <5 | <5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N03AD | Succinimide derivatives | 121 | 116 | 110 | 110 | 114 | 71 | 34 | 54 | 22 | <5 | 618 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group N

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|--------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| N03AD01 ethosuximide | 121 | 116 | 110 | 110 | 114 | 71 | 34 | 54 | 22 | <5 | 618 |
| N03AE Benzodiazepine derivatives | 13 353 | 13 894 | 13 950 | 13 983 | 13 886 | 55 | 191 | 4 382 | 6 770 | 2 543 | 7 353 |
| N03AE01 clonazepam | 13 353 | 13 894 | 13 950 | 13 983 | 13 886 | 55 | 191 | 4 382 | 6 770 | 2 543 | 7 353 |
| N03AF Carboxamide derivatives | 24 026 | 23 144 | 22 315 | 21 519 | 20 686 | 46 | 802 | 6 273 | 9 659 | 3 952 | 26 738 |
| N03AF01 carbamazepine | 22 458 | 21 431 | 20 410 | 19 475 | 18 535 | 47 | 510 | 5 385 | 8 942 | 3 698 | 17 243 |
| N03AF02 oxcarbazepine | 1 701 | 1 833 | 2 009 | 2 105 | 2 162 | 44 | 266 | 887 | 746 | 263 | 8 448 |
| N03AF03 rufinamide | 0 | 0 | 0 | 41 | 80 | 26 | 43 | 33 | <5 | 0 | 1 046 |
| N03AG Fatty acid derivatives | 11 719 | 12 062 | 12 450 | 12 751 | 13 281 | 46 | 1 663 | 5 737 | 4 840 | 1 041 | 27 272 |
| N03AG01 valproic acid | 11 554 | 11 919 | 12 334 | 12 651 | 13 188 | 46 | 1 636 | 5 707 | 4 806 | 1 039 | 26 141 |
| N03AG04 vigabatrin | 180 | 164 | 142 | 119 | 126 | 48 | 55 | 36 | 32 | <5 | 856 |
| N03AG06 tiagabine | 40 | 31 | 29 | 19 | 15 | 47 | 0 | 6 | 9 | 0 | 275 |
| N03AX Other antiepileptics | 23 876 | 33 928 | 42 118 | 50 424 | 57 451 | 60 | 1 827 | 21 033 | 24 706 | 9 885 | 305 094 |
| N03AX03 sultiame | 21 | 28 | 39 | 51 | 54 | 52 | 36 | 17 | <5 | 0 | 184 |
| N03AX09 lamotrigine | 11 367 | 14 009 | 16 504 | 18 792 | 20 766 | 59 | 1 086 | 10 877 | 7 174 | 1 629 | 115 097 |
| N03AX10 felbamate | 20 | 22 | 25 | 23 | 24 | 33 | <5 | 18 | <5 | 0 | 526 |
| N03AX11 topiramate | 2 106 | 2 582 | 2 926 | 2 975 | 3 044 | 67 | 359 | 1 688 | 910 | 87 | 20 307 |
| N03AX12 gabapentin | 9 178 | 8 133 | 7 618 | 7 481 | 14 624 | 61 | 29 | 3 374 | 7 538 | 3 683 | 21 879 |
| N03AX14 levetiracetam | 1 738 | 2 183 | 2 746 | 3 496 | 4 302 | 51 | 551 | 1 995 | 1 327 | 429 | 45 030 |
| N03AX15 zonisamide | 130 | 137 | 180 | 297 | 347 | 53 | 68 | 196 | 78 | 5 | 4 683 |
| N03AX16 pregabalin | 1 512 | 10 043 | 15 405 | 21 037 | 20 237 | 60 | 10 | 5 117 | 10 265 | 4 845 | 97 389 |
| N04 ANTI-PARKINSON DRUGS | 12 620 | 12 853 | 14 219 | 17 100 | 17 154 | 52 | 10 | 1 610 | 7 358 | 8 176 | 122 485 |
| N04A ANTICHOLINERGIC AGENTS | 4 123 | 3 942 | 3 484 | 3 270 | 3 159 | 51 | <5 | 797 | 1 870 | 489 | 1 780 |
| N04AA Tertiary amines | 2 691 | 3 414 | 3 399 | 3 204 | 3 101 | 51 | <5 | 788 | 1 829 | 481 | 1 663 |
| N04AA01 trihexyphenidyl | 14 | 15 | 18 | 19 | 15 | 67 | <5 | <5 | 7 | <5 | 105 |
| N04AA02 biperiden | 2 670 | 3 393 | 3 375 | 3 181 | 3 082 | 51 | <5 | 785 | 1 820 | 476 | 1 552 |
| N04AA04 procyclidine | 8 | 7 | 7 | <5 | <5 | 50 | 0 | 0 | <5 | <5 | 5 |
| N04AB Ethers chemically close to antihistamines | 1 520 | 1 263 | 132 | 81 | 65 | 62 | 0 | 10 | 45 | 10 | 118 |
| N04AB02 orphenadrine (chloride) | 1 520 | 1 263 | 132 | 81 | 65 | 62 | 0 | 10 | 45 | 10 | 118 |
| N04B DOPAMINERGIC AGENTS | 8 631 | 9 045 | 10 828 | 13 906 | 14 062 | 52 | 7 | 819 | 5 519 | 7 717 | 120 704 |
| N04BA Dopa and dopa derivatives | 7 195 | 7 374 | 7 531 | 7 599 | 7 588 | 46 | 5 | 88 | 2 133 | 5 362 | 54 906 |
| N04BA02 levodopa and decarboxylase inhibitor | 7 172 | 7 131 | 7 119 | 7 065 | 6 980 | 47 | 5 | 81 | 1 883 | 5 011 | 37 171 |
| N04BA03 levodopa, decarboxylase inhibitor and COMT inhibitor | 375 | 803 | 969 | 1 132 | 1 249 | 39 | 0 | 11 | 542 | 696 | 17 734 |
| N04BB Adamantane derivatives | 100 | 104 | 104 | 116 | 111 | 59 | 0 | 29 | 74 | 8 | 403 |
| N04BB01 amantadine | 100 | 104 | 104 | 116 | 111 | 59 | 0 | 29 | 74 | 8 | 403 |
| N04BC Dopamine agonists | 2 980 | 3 330 | 5 144 | 8 303 | 8 517 | 55 | <5 | 716 | 4 372 | 3 427 | 52 759 |

ATC group N

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|---|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|--------------|----------------|----------------|-------------------|----------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| N04BC01 | bromocriptine | 46 | 21 | 9 | <5 | <5 | 0 | 0 | 0 | <5 | <5 | 51 |
| N04BC02 | pergolide | 9 | 5 | <5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N04BC04 | ropinirole | 690 | 881 | 1 125 | 1 819 | 1 840 | 52 | 0 | 176 | 1 045 | 619 | 12 794 |
| N04BC05 | pramipexole | 953 | 1 432 | 3 226 | 5 921 | 6 212 | 56 | <5 | 555 | 3 158 | 2 497 | 30 559 |
| N04BC06 | cabergoline | 1 414 | 1 187 | 978 | 796 | 513 | 47 | 0 | 9 | 215 | 289 | 2 365 |
| N04BC07 | apomorphine | 10 | 6 | 11 | 13 | 18 | 39 | 0 | 0 | 12 | 6 | 1 957 |
| N04BC09 | rotigotine | 0 | 0 | 5 | 232 | 390 | 39 | 0 | 11 | 228 | 151 | 5 033 |
| N04BD | Monoamine oxidase B inhibitors | 2 157 | 2 143 | 2 223 | 2 413 | 2 559 | 40 | 0 | 34 | 1 238 | 1 287 | 9 434 |
| N04BD01 | selegiline | 2 157 | 2 141 | 2 113 | 2 098 | 2 069 | 40 | 0 | 30 | 1 005 | 1 034 | 3 479 |
| N04BD02 | rasagiline | 0 | <5 | 173 | 405 | 575 | 41 | 0 | 6 | 279 | 290 | 5 954 |
| N04BX | Other dopaminergic agents | 734 | 565 | 424 | 341 | 286 | 45 | 0 | <5 | 119 | 165 | 3 203 |
| N04BX01 | tolcapone | 38 | 25 | 20 | 15 | 13 | 31 | 0 | 0 | 9 | <5 | 257 |
| N04BX02 | entacapone | 701 | 540 | 404 | 327 | 273 | 45 | 0 | <5 | 110 | 161 | 2 946 |
| N05 | PSYCHOLEPTICS | 561 339 | 579 816 | 591 635 | 603 046 | 609 900 | 64 | 7 916 | 136 345 | 272 669 | 192 970 | 565 879 |
| N05A | ANTIPSYCHOTICS | 104 551 | 106 184 | 106 269 | 105 705 | 103 650 | 57 | 823 | 33 571 | 44 993 | 24 263 | 305 943 |
| N05AA | Phenothiazines with aliphatic side-chain | 32 465 | 32 191 | 31 414 | 29 867 | 26 663 | 57 | 38 | 7 572 | 13 518 | 5 535 | 10 773 |
| N05AA01 | chlorpromazine | 6 432 | 6 674 | 6 645 | 3 950 | 699 | 54 | <5 | 280 | 313 | 103 | 1 174 |
| N05AA02 | levomepromazine | 26 562 | 26 050 | 25 294 | 26 780 | 26 050 | 57 | 36 | 7 318 | 13 257 | 5 439 | 9 600 |
| N05AB | Phenothiazines with piperazine structure | 26 671 | 26 502 | 25 163 | 23 005 | 20 795 | 68 | 22 | 4 448 | 8 417 | 7 908 | 10 312 |
| N05AB01 | dixyrazine | 1 979 | 1 926 | 1 815 | 620 | 76 | 61 | 0 | 28 | 40 | 8 | 207 |
| N05AB02 | fluphenazine | 123 | 107 | 101 | 89 | 59 | 46 | 0 | <5 | 36 | 22 | 54 |
| N05AB03 | perphenazine | 7 021 | 6 694 | 6 343 | 6 176 | 5 968 | 59 | <5 | 1 520 | 3 292 | 1 155 | 7 249 |
| N05AB04 | prochlorperazine | 17 695 | 17 937 | 17 059 | 16 329 | 14 758 | 72 | 21 | 2 913 | 5 080 | 6 744 | 2 798 |
| N05AB06 | trifluoperazine | 8 | <5 | 5 | <5 | <5 | 33 | 0 | <5 | 0 | <5 | 4 |
| N05AC | Phenothiazines with piperidine structure | 744 | 504 | 111 | 85 | 79 | 54 | 0 | 7 | 54 | 18 | 344 |
| N05AC01 | periciazine | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 1 |
| N05AC02 | thioridazine | 733 | 492 | 102 | 77 | 73 | 53 | 0 | 7 | 50 | 16 | 306 |
| N05AC04 | pipotiazine | 8 | 9 | 7 | 6 | 5 | 60 | 0 | 0 | <5 | <5 | 37 |
| N05AD | Butyrophenone derivatives | 4 659 | 4 904 | 4 796 | 4 823 | 4 703 | 55 | 15 | 532 | 1 556 | 2 600 | 1 737 |
| N05AD01 | haloperidol | 4 639 | 4 887 | 4 784 | 4 812 | 4 693 | 55 | 15 | 529 | 1 553 | 2 596 | 1 729 |
| N05AD03 | melperone | 21 | 19 | 12 | 11 | 10 | 60 | 0 | <5 | <5 | <5 | 8 |
| N05AE | Indole derivatives | 2 280 | 1 860 | 1 574 | 1 463 | 1 377 | 59 | 6 | 798 | 512 | 61 | 19 428 |
| N05AE03 | sertindole | 22 | 18 | 43 | 119 | 163 | 56 | <5 | 122 | 40 | 0 | 1 949 |
| N05AE04 | ziprasidone | 2 259 | 1 843 | 1 535 | 1 355 | 1 227 | 59 | 5 | 686 | 475 | 61 | 17 479 |
| N05AF | Thioxanthene derivatives | 22 226 | 22 491 | 22 906 | 24 162 | 24 441 | 56 | 18 | 8 429 | 11 904 | 4 090 | 11 451 |

ATC group N

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|----------------|----------------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| N05AF01 flupentixol | 6 054 | 5 950 | 5 595 | 5 522 | 5 371 | 68 | <5 | 1 342 | 2 769 | 1 257 | 2 789 |
| N05AF03 chlorprothixene | 13 320 | 13 807 | 14 611 | 16 171 | 16 605 | 53 | 12 | 6 536 | 7 832 | 2 225 | 6 085 |
| N05AF05 zuclopenthixol | 3 433 | 3 353 | 3 333 | 3 196 | 3 151 | 53 | <5 | 811 | 1 672 | 665 | 2 577 |
| N05AG Diphenylbutylpiperidine derivatives | 194 | 200 | 179 | 172 | 163 | 33 | 21 | 85 | 41 | 16 | 367 |
| N05AG02 pimozide | 157 | 165 | 148 | 138 | 133 | 36 | 15 | 69 | 34 | 15 | 313 |
| N05AG03 penfluridol | 37 | 36 | 31 | 34 | 31 | 16 | 7 | 16 | 7 | <5 | 54 |
| N05AH Diazepines, oxazepines and thiazepines | 18 925 | 20 724 | 22 530 | 24 911 | 26 444 | 50 | 111 | 12 546 | 10 597 | 3 190 | 156 909 |
| N05AH02 clozapine | 1 769 | 1 869 | 1 989 | 2 098 | 2 180 | 38 | 0 | 1 169 | 950 | 61 | 14 410 |
| N05AH03 olanzapine | 14 175 | 14 499 | 14 912 | 15 640 | 15 918 | 48 | 23 | 6 985 | 6 812 | 2 098 | 101 730 |
| N05AH04 quetiapine | 3 758 | 5 183 | 6 622 | 8 312 | 9 523 | 58 | 94 | 5 086 | 3 258 | 1 085 | 40 769 |
| N05AL Benzamides | 648 | 821 | 725 | 664 | 585 | 46 | <5 | 346 | 215 | 20 | 4 717 |
| N05AL01 sulpiride | <5 | <5 | <5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N05AL03 tiapride | 7 | 9 | 11 | 9 | 7 | 43 | 0 | <5 | <5 | 0 | 53 |
| N05AL05 amisulpride | 640 | 811 | 713 | 654 | 578 | 46 | <5 | 343 | 211 | 20 | 4 664 |
| N05AN Lithium | 7 749 | 7 843 | 7 749 | 7 713 | 7 893 | 57 | 9 | 2 380 | 4 314 | 1 190 | 9 855 |
| N05AN01 lithium | 7 749 | 7 843 | 7 749 | 7 713 | 7 893 | 57 | 9 | 2 380 | 4 314 | 1 190 | 9 855 |
| N05AX Other antipsychotics | 7 711 | 8 811 | 9 649 | 10 217 | 10 910 | 48 | 643 | 4 953 | 3 332 | 1 982 | 80 050 |
| N05AX08 risperidone | 7 685 | 7 665 | 7 810 | 7 895 | 8 143 | 48 | 533 | 3 089 | 2 590 | 1 931 | 46 562 |
| N05AX12 aripiprazole | 33 | 1 337 | 2 042 | 2 604 | 3 048 | 49 | 135 | 2 038 | 821 | 54 | 33 487 |
| N05B ANXIOLYTICS | 273 997 | 279 510 | 281 231 | 285 072 | 284 641 | 65 | 3 493 | 65 869 | 130 874 | 84 405 | 109 563 |
| N05BA Benzodiazepine derivatives | 256 577 | 261 101 | 261 608 | 264 606 | 264 530 | 65 | 3 091 | 58 150 | 123 404 | 79 885 | 97 406 |
| N05BA01 diazepam | 150 341 | 149 404 | 146 678 | 145 978 | 143 254 | 64 | 2 959 | 30 352 | 67 699 | 42 244 | 48 677 |
| N05BA02 chlordiazepoxide | 6 | 5 | 6 | 6 | <5 | 50 | 0 | 0 | <5 | <5 | 12 |
| N05BA04 oxazepam | 116 955 | 122 797 | 126 384 | 130 633 | 133 510 | 67 | 58 | 31 046 | 61 143 | 41 263 | 40 572 |
| N05BA06 lorazepam | 34 | 32 | 35 | 34 | 18 | 50 | <5 | 7 | 6 | <5 | 48 |
| N05BA08 bromazepam | 6 | 6 | 9 | 8 | 5 | 80 | 0 | 0 | <5 | <5 | 13 |
| N05BA09 clobazam | 519 | 520 | 507 | 532 | 545 | 53 | 179 | 265 | 96 | 5 | 1 624 |
| N05BA12 alprazolam | 5 455 | 5 514 | 5 009 | 4 678 | 4 610 | 51 | <5 | 2 045 | 2 090 | 473 | 6 459 |
| N05BB Diphenylmethane derivatives | 22 313 | 23 688 | 25 710 | 27 092 | 27 192 | 62 | 405 | 9 801 | 10 692 | 6 294 | 5 996 |
| N05BB01 hydroxyzine | 22 313 | 23 688 | 25 710 | 27 092 | 27 192 | 62 | 405 | 9 801 | 10 692 | 6 294 | 5 996 |
| N05BC Carbamates | 18 | 14 | 14 | 10 | 9 | 78 | 0 | 0 | <5 | 6 | 24 |
| N05BC01 meprobamate | 18 | 14 | 14 | 10 | 9 | 78 | 0 | 0 | <5 | 6 | 24 |
| N05BE Azaspirodecanedione derivatives | 3 454 | 3 124 | 2 965 | 3 019 | 2 804 | 59 | <5 | 1 103 | 1 358 | 342 | 6 138 |
| N05BE01 buspirone | 3 454 | 3 124 | 2 965 | 3 019 | 2 804 | 59 | <5 | 1 103 | 1 358 | 342 | 6 138 |
| N05C HYPNOTICS AND SEDATIVES | 342 371 | 360 940 | 374 197 | 385 784 | 396 023 | 65 | 4 345 | 75 694 | 175 980 | 140 004 | 150 373 |

ATC group N

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|----------------|----------------|----------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| N05CA | Barbiturates, plain | 5 | 0 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | <5 | 4 |
| N05CA04 | barbital | 5 | 0 | <5 | <5 | <5 | 100 | 0 | <5 | 0 | <5 | 4 |
| N05CD | Benzodiazepine derivatives | 58 782 | 56 018 | 52 547 | 49 513 | 46 547 | 62 | 623 | 8 093 | 17 572 | 20 259 | 18 680 |
| N05CD01 | flurazepam | 27 | 26 | 28 | 24 | 22 | 55 | 0 | 0 | 13 | 9 | 70 |
| N05CD02 | nitrazepam | 44 099 | 43 492 | 41 495 | 39 695 | 37 420 | 63 | 373 | 6 609 | 13 939 | 16 499 | 10 212 |
| N05CD03 | flunitrazepam | 16 316 | 13 589 | 11 740 | 10 179 | 9 205 | 57 | <5 | 1 473 | 3 869 | 3 861 | 6 346 |
| N05CD04 | estazolam | 6 | 0 | 0 | <5 | <5 | 0 | 0 | <5 | <5 | 0 | 4 |
| N05CD05 | triazolam | 94 | 104 | 102 | 99 | 103 | 65 | <5 | 26 | 39 | 37 | 103 |
| N05CD08 | midazolam | 117 | 295 | 441 | 639 | 825 | 46 | 312 | 317 | 119 | 77 | 1 944 |
| N05CF | Benzodiazepine related drugs | 295 155 | 314 282 | 328 941 | 341 134 | 345 341 | 66 | 74 | 63 673 | 158 927 | 122 667 | 116 279 |
| N05CF01 | zopiclone | 266 982 | 283 001 | 295 011 | 303 715 | 305 415 | 66 | 68 | 52 200 | 140 112 | 113 035 | 95 128 |
| N05CF02 | zolpidem | 37 769 | 41 381 | 44 380 | 48 400 | 51 113 | 66 | 9 | 14 569 | 23 924 | 12 611 | 21 150 |
| N05CF03 | zaleplon | 0 | 0 | <5 | 5 | 5 | 40 | 0 | <5 | <5 | 0 | 1 |
| N05CH | Melatonin receptor agonists | 6 021 | 7 847 | 9 481 | 12 418 | 29 772 | 59 | 3 826 | 10 337 | 11 823 | 3 786 | 13 626 |
| N05CH01 | melatonin | 6 021 | 7 847 | 9 481 | 12 418 | 29 772 | 59 | 3 826 | 10 337 | 11 823 | 3 786 | 13 626 |
| N05CM | Other hypnotics and sedatives | 980 | 1 295 | 1 491 | 1 761 | 1 892 | 46 | 0 | 196 | 541 | 1 155 | 1 783 |
| N05CM02 | clomethiazole | 954 | 1 266 | 1 462 | 1 735 | 1 839 | 46 | 0 | 193 | 521 | 1 125 | 1 708 |
| N05CM05 | scopolamine | 26 | 28 | 28 | 24 | 54 | 37 | 0 | <5 | 20 | 31 | 74 |
| N05CM11 | bromides | 0 | <5 | <5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N05CM18 | dexmedetomidine | 0 | 0 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N06 | PSYCHOANALEPTICS | 299 930 | 300 215 | 306 393 | 315 741 | 318 910 | 63 | 9 904 | 105 769 | 131 957 | 71 280 | 687 740 |
| N06A | ANTIDEPRESSANTS | 279 813 | 275 471 | 279 476 | 286 684 | 287 687 | 66 | 530 | 94 152 | 130 191 | 62 814 | 400 572 |
| N06AA | Non-selective monoamine reuptake inhibitors | 57 596 | 57 347 | 57 549 | 58 335 | 59 210 | 71 | 95 | 14 142 | 30 798 | 14 175 | 25 165 |
| N06AA01 | desipramine | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N06AA02 | imipramine | 67 | 53 | 41 | 40 | 47 | 38 | 23 | 6 | 11 | 7 | 128 |
| N06AA04 | clomipramine | 4 534 | 4 145 | 3 880 | 3 593 | 3 447 | 71 | 10 | 688 | 1 954 | 795 | 2 620 |
| N06AA05 | opipramol | 5 | 7 | <5 | <5 | 5 | 40 | 0 | <5 | <5 | <5 | 10 |
| N06AA06 | trimipramine | 14 205 | 13 733 | 13 449 | 13 341 | 12 592 | 69 | 11 | 2 661 | 6 309 | 3 611 | 7 526 |
| N06AA07 | lofepramine | 25 | 24 | 22 | 18 | 18 | 67 | 0 | <5 | 15 | <5 | 122 |
| N06AA09 | amitriptyline | 32 822 | 33 992 | 34 911 | 36 513 | 38 683 | 72 | 48 | 10 380 | 20 693 | 7 562 | 11 623 |
| N06AA10 | nortriptyline | 1 623 | 1 471 | 1 641 | 1 547 | 1 647 | 67 | <5 | 365 | 729 | 550 | 643 |
| N06AA12 | doxepin | 5 248 | 4 768 | 4 424 | 4 063 | 3 568 | 70 | 0 | 243 | 1 510 | 1 815 | 2 483 |
| N06AA21 | maprotiline | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 8 |
| N06AB | Selective serotonin reuptake inhibitors | 173 328 | 167 720 | 169 267 | 174 853 | 176 597 | 67 | 402 | 62 843 | 76 282 | 37 070 | 255 157 |
| N06AB03 | fluoxetine | 9 757 | 8 971 | 8 563 | 8 627 | 8 798 | 74 | 149 | 4 712 | 3 235 | 702 | 13 547 |

ATC group N

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|--------------|---------------|---------------|-------------------|----------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| N06AB04 | citalopram | 57 450 | 45 761 | 41 264 | 38 124 | 35 464 | 68 | 10 | 9 298 | 16 317 | 9 839 | 26 519 |
| N06AB05 | paroxetine | 28 060 | 23 917 | 21 309 | 19 823 | 18 642 | 70 | <5 | 4 225 | 9 971 | 4 444 | 18 054 |
| N06AB06 | sertraline | 32 534 | 29 280 | 27 618 | 26 532 | 25 978 | 67 | 232 | 9 557 | 10 982 | 5 207 | 26 270 |
| N06AB08 | fluvoxamine | 807 | 766 | 725 | 662 | 652 | 58 | 5 | 248 | 302 | 97 | 1 297 |
| N06AB10 | escitalopram | 54 858 | 66 527 | 76 432 | 87 515 | 93 524 | 65 | 14 | 37 535 | 37 993 | 17 982 | 169 470 |
| N06AF | Monoamine oxidase inhibitors, non-selective | 147 | 142 | 134 | 117 | 110 | 64 | 0 | 33 | 59 | 18 | 895 |
| N06AF03 | phenelzine | 137 | 131 | 120 | 108 | 100 | 62 | 0 | 30 | 54 | 16 | 630 |
| N06AF04 | tranylcypromine | 11 | 11 | 14 | 9 | 10 | 80 | 0 | <5 | 5 | <5 | 265 |
| N06AG | Monoamine oxidase A inhibitors | 1 622 | 1 411 | 1 292 | 1 204 | 1 077 | 63 | <5 | 239 | 641 | 196 | 2 366 |
| N06AG02 | moclobemide | 1 622 | 1 411 | 1 292 | 1 204 | 1 077 | 63 | <5 | 239 | 641 | 196 | 2 366 |
| N06AX | Other antidepressants | 86 498 | 85 977 | 88 870 | 90 935 | 88 699 | 61 | 43 | 28 927 | 39 974 | 19 755 | 116 989 |
| N06AX01 | oxitriptan | 0 | 0 | 56 | 217 | 186 | 76 | <5 | 93 | 84 | 6 | 114 |
| N06AX02 | tryptophan | <5 | <5 | 7 | <5 | 11 | 55 | 0 | <5 | 7 | 0 | 8 |
| N06AX03 | mianserin | 33 455 | 32 733 | 32 936 | 33 185 | 32 076 | 63 | 15 | 8 251 | 14 702 | 9 108 | 13 361 |
| N06AX05 | trazodone | <5 | <5 | <5 | 0 | <5 | 100 | 0 | 0 | <5 | 0 | 2 |
| N06AX06 | nefazodone | 151 | 68 | 64 | 55 | 47 | 47 | 0 | 8 | 35 | <5 | 357 |
| N06AX11 | mirtazapine | 26 928 | 26 410 | 26 956 | 27 857 | 28 672 | 57 | 18 | 8 824 | 12 041 | 7 789 | 31 227 |
| N06AX12 | bupropion | 7 409 | 6 289 | 6 944 | 4 430 | 3 869 | 54 | <5 | 1 664 | 2 009 | 195 | 4 789 |
| N06AX14 | tianeptine | 0 | 0 | 0 | <5 | <5 | 50 | 0 | <5 | <5 | 0 | 9 |
| N06AX16 | venlafaxine | 25 935 | 27 000 | 27 896 | 28 809 | 28 240 | 62 | 6 | 11 447 | 13 065 | 3 722 | 55 051 |
| N06AX18 | reboxetine | 566 | 631 | 639 | 587 | 563 | 65 | 0 | 308 | 217 | 38 | 1 100 |
| N06AX21 | duloxetine | 95 | 632 | 1 590 | 4 986 | 3 931 | 67 | <5 | 1 462 | 1 976 | 492 | 10 970 |
| N06B | PSYCHOSTIMULANTS, AGENTS USED FOR ADHD AND NOOTROPICS | 12 353 | 17 200 | 19 567 | 22 513 | 25 077 | 34 | 9 481 | 13 901 | 1 576 | 119 | 179 092 |
| N06BA | Centrally acting sympathomimetics | 12 083 | 16 850 | 19 160 | 22 149 | 24 733 | 33 | 9 470 | 13 701 | 1 476 | 86 | 178 707 |
| N06BA01 | amfetamine | 189 | 183 | 156 | 178 | 221 | 38 | 13 | 151 | 48 | 9 | 701 |
| N06BA02 | dexamfetamine | 545 | 595 | 633 | 722 | 854 | 39 | 142 | 533 | 159 | 20 | 6 615 |
| N06BA04 | methylphenidate | 10 866 | 14 528 | 16 273 | 19 195 | 21 653 | 33 | 8 668 | 11 803 | 1 131 | 51 | 133 696 |
| N06BA07 | modafinil | 228 | 295 | 275 | 272 | 287 | 63 | 5 | 171 | 103 | 8 | 3 821 |
| N06BA09 | atomoxetine | 838 | 3 203 | 3 207 | 3 183 | 3 226 | 30 | 1 270 | 1 807 | 149 | 0 | 33 874 |
| N06BC | Xanthine derivatives | 228 | 319 | 364 | 327 | 293 | 54 | <5 | 184 | 86 | 22 | 173 |
| N06BC01 | caffeine | 228 | 319 | 364 | 327 | 293 | 54 | <5 | 184 | 86 | 22 | 173 |
| N06BX | Other psychostimulants and nootropics | 48 | 37 | 48 | 43 | 57 | 40 | 12 | 20 | 14 | 11 | 212 |
| N06BX03 | piracetam | 48 | 37 | 48 | 43 | 49 | 39 | 6 | 18 | 14 | 11 | 137 |
| N06BX13 | idebenone | 0 | 0 | 0 | 0 | 8 | 50 | 6 | <5 | 0 | 0 | 76 |

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|--------|--------|--------|--------|--------------------|-------------------------------------|--------|--------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| N06C | PSYCHOLEPTICS AND PSYCHOANALEPTICS IN COMBINATION | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N06CA | Antidepressants in combination with psycholeptics | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N06CA02 | melitracen and psycholeptics | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N06D | ANTI-DEMENTIA DRUGS | 13 103 | 13 705 | 13 958 | 13 483 | 13 354 | 62 | 0 | 6 | 1 139 | 12 209 | 108 076 |
| N06DA | Anticholinesterases | 12 582 | 12 884 | 12 978 | 12 429 | 12 365 | 62 | 0 | <5 | 1 031 | 11 330 | 98 997 |
| N06DA02 | donepezil | 10 241 | 10 490 | 10 588 | 10 032 | 9 825 | 64 | 0 | <5 | 742 | 9 080 | 78 955 |
| N06DA03 | rivastigmine | 1 316 | 1 466 | 1 681 | 1 773 | 2 161 | 54 | 0 | 0 | 254 | 1 907 | 14 265 |
| N06DA04 | galantamine | 1 445 | 1 279 | 1 058 | 890 | 693 | 62 | 0 | <5 | 81 | 611 | 5 777 |
| N06DX | Other anti-dementia drugs | 1 044 | 1 363 | 1 589 | 1 616 | 1 500 | 58 | 0 | <5 | 182 | 1 316 | 9 080 |
| N06DX01 | memantine | 1 044 | 1 363 | 1 589 | 1 616 | 1 500 | 58 | 0 | <5 | 182 | 1 316 | 9 080 |
| N07 | OTHER NERVOUS SYSTEM DRUGS | 8 619 | 9 759 | 11 056 | 34 296 | 42 573 | 49 | 12 | 16 480 | 23 964 | 2 117 | 187 675 |
| N07A | PARASYMPATHOMIMETICS | 783 | 737 | 717 | 748 | 739 | 68 | <5 | 122 | 348 | 265 | 2 132 |
| N07AA | Anticholinesterases | 467 | 459 | 477 | 483 | 475 | 65 | 0 | 86 | 198 | 191 | 1 077 |
| N07AA01 | neostigmine | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N07AA02 | pyridostigmine | 467 | 459 | 477 | 481 | 475 | 65 | 0 | 86 | 198 | 191 | 1 077 |
| N07AA51 | neostigmine, combinations | 0 | <5 | 0 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| N07AB | Choline esters | 212 | 175 | 145 | 152 | 146 | 61 | <5 | 22 | 73 | 47 | 117 |
| N07AB01 | carbachol | 212 | 175 | 145 | 152 | 146 | 61 | <5 | 22 | 73 | 47 | 117 |
| N07AX | Other parasympathomimetics | 126 | 122 | 106 | 122 | 129 | 87 | 0 | 16 | 86 | 27 | 937 |
| N07AX01 | pilocarpine | 126 | 122 | 106 | 122 | 129 | 87 | 0 | 16 | 86 | 27 | 937 |
| N07B | DRUGS USED IN ADDICTIVE DISORDERS | 7 288 | 8 384 | 9 660 | 32 852 | 41 133 | 49 | <5 | 16 261 | 23 202 | 1 666 | 175 659 |
| N07BA | Drugs used in nicotine dependence | 865 | 781 | 1 126 | 23 349 | 31 302 | 55 | <5 | 11 259 | 18 610 | 1 431 | 41 164 |
| N07BA01 | nicotine ¹⁾ | 865 | 781 | 876 | 770 | 768 | 47 | <5 | 129 | 448 | 190 | 496 |
| N07BA03 | varenicline | 0 | 0 | 250 | 22 637 | 30 602 | 55 | <5 | 11 143 | 18 209 | 1 249 | 40 668 |
| N07BB | Drugs used in alcohol dependence | 3 770 | 3 972 | 4 287 | 4 868 | 4 970 | 29 | 0 | 1 727 | 3 025 | 218 | 2 753 |
| N07BB01 | disulfiram | 3 277 | 3 549 | 3 773 | 4 066 | 4 445 | 28 | 0 | 1 561 | 2 693 | 191 | 1 723 |
| N07BB03 | acamprosate | 544 | 481 | 472 | 629 | 583 | 30 | 0 | 194 | 368 | 21 | 833 |
| N07BB04 | naltrexone | 60 | 54 | 154 | 362 | 119 | 52 | 0 | 46 | 65 | 8 | 197 |
| N07BC | Drugs used in opioid dependence | 2 696 | 3 685 | 4 303 | 4 862 | 5 164 | 31 | <5 | 3 402 | 1 737 | 23 | 131 742 |
| N07BC01 | buprenorphine | 1 062 | 1 444 | 1 791 | 1 918 | 1 722 | 31 | 0 | 1 274 | 447 | <5 | 39 039 |
| N07BC02 | methadone ²⁾ | 1 654 | 2 361 | 2 673 | 2 852 | 2 954 | 32 | <5 | 1 744 | 1 186 | 22 | 73 649 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

²⁾The figures only include methadone dispensed according to prescription from the pharmacies. Patients may also receive methadone dispensed according to special arrangements in the health regions.

ATC group N

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|-----------------------------------|------------|------------|------------|------------|--------------------|-------------------------------------|--------------|-----------|------------|-------------------|--------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| N07BC04 | lofexidine | 0 | <5 | 0 | 0 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| N07BC51 | buprenorphine, combinations | 130 | 197 | 219 | 969 | 1 155 | 27 | 0 | 892 | 263 | 0 | 19 054 |
| N07C | ANTIVERTIGO PREPARATIONS | 303 | 364 | 382 | 407 | 406 | 61 | <5 | 61 | 246 | 96 | 1 168 |
| N07CA | Antivertigo preparations | 303 | 364 | 382 | 407 | 406 | 61 | <5 | 61 | 246 | 96 | 1 168 |
| N07CA01 | betahistine | 291 | 357 | 379 | 403 | 394 | 61 | <5 | 57 | 240 | 96 | 1 151 |
| N07CA03 | flunarizine | 12 | 7 | <5 | <5 | 12 | 75 | <5 | <5 | 6 | 0 | 17 |
| N07X | OTHER NERVOUS SYSTEM DRUGS | 249 | 279 | 304 | 310 | 308 | 41 | <5 | 38 | 177 | 92 | 8 717 |
| N07XX | Other nervous system drugs | 249 | 279 | 304 | 310 | 308 | 41 | <5 | 38 | 177 | 92 | 8 717 |
| N07XX02 | riluzole | 219 | 236 | 246 | 252 | 250 | 39 | 0 | 16 | 152 | 82 | 6 400 |
| N07XX04 | hydroxybutyric acid | 0 | 12 | 23 | 26 | 28 | 43 | <5 | 18 | 7 | <5 | 1 817 |
| N07XX06 | tetrabenazine | 30 | 31 | 35 | 32 | 30 | 60 | 0 | <5 | 18 | 8 | 500 |

3.14 ATC group P – Antiparasitic products, insecticides and repellents

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| P01 | ANTIPROTOZOALS | 77 478 | 79 254 | 80 298 | 84 749 | 85 734 | 65 | 1 757 | 41 992 | 33 153 | 8 832 | 32 053 |
| P01A | AGENTS AGAINST AMOEBIASIS AND OTHER PROTOZOAL DISEASES | 51 797 | 51 066 | 50 677 | 51 701 | 52 945 | 69 | 520 | 25 285 | 20 198 | 6 942 | 6 145 |
| P01AB | Nitroimidazole derivatives | 51 796 | 51 065 | 50 675 | 51 699 | 52 940 | 69 | 520 | 25 281 | 20 198 | 6 941 | 6 124 |
| P01AB01 | metronidazole | 51 796 | 51 065 | 50 675 | 51 699 | 52 940 | 69 | 520 | 25 281 | 20 198 | 6 941 | 6 124 |
| P01AC | Dichloroacetamide derivatives | 0 | <5 | 7 | 9 | 6 | 33 | 0 | <5 | <5 | 0 | 8 |
| P01AC01 | diloxanide | 0 | <5 | 7 | 9 | 6 | 33 | 0 | <5 | <5 | 0 | 8 |
| P01AX | Other agents against amoebiasis and other protozoal diseases | 0 | 0 | 0 | <5 | <5 | 100 | 0 | <5 | 0 | <5 | 12 |
| P01AX05 | mepacrine | 0 | 0 | 0 | 0 | <5 | 100 | 0 | 0 | 0 | <5 | 1 |
| P01AX11 | nitazoxanide | 0 | 0 | 0 | <5 | <5 | 100 | 0 | <5 | 0 | 0 | 11 |
| P01B | ANTIMALARIALS | 26 206 | 28 724 | 30 119 | 33 681 | 33 372 | 58 | 1 240 | 17 019 | 13 181 | 1 932 | 25 898 |
| P01BA | Aminoquinolines | 9 187 | 9 120 | 8 430 | 8 701 | 7 784 | 75 | 160 | 3 038 | 3 711 | 875 | 3 163 |
| P01BA01 | chloroquine | 4 860 | 4 720 | 4 012 | 4 222 | 2 622 | 60 | 126 | 1 605 | 815 | 76 | 315 |
| P01BA02 | hydroxychloroquine | 4 328 | 4 405 | 4 410 | 4 485 | 5 199 | 82 | 34 | 1 449 | 2 918 | 798 | 2 843 |
| P01BA03 | primaquine | 13 | 10 | 26 | 8 | 17 | 29 | <5 | 9 | 6 | <5 | 5 |
| P01BB | Biguanides | 13 733 | 16 059 | 17 897 | 20 820 | 21 068 | 52 | 786 | 11 435 | 8 197 | 650 | 20 494 |
| P01BB01 | proguanil | 959 | 747 | 525 | 340 | 62 | 68 | 0 | 31 | 29 | <5 | 36 |
| P01BB51 | proguanil, combinations | 12 817 | 15 359 | 17 401 | 20 502 | 21 011 | 52 | 786 | 11 409 | 8 168 | 648 | 20 458 |
| P01BC | Methanolquinolines | 4 566 | 4 663 | 4 748 | 5 014 | 5 029 | 57 | 299 | 2 902 | 1 404 | 424 | 2 221 |
| P01BC01 | quinine | 512 | 547 | 606 | 621 | 595 | 67 | <5 | 23 | 249 | 322 | 259 |
| P01BC02 | mefloquine | 4 056 | 4 116 | 4 143 | 4 393 | 4 436 | 56 | 298 | 2 880 | 1 156 | 102 | 1 962 |
| P01BD | Diaminopyrimidines | <5 | <5 | <5 | 5 | <5 | 67 | 0 | 0 | <5 | 0 | 20 |
| P01BD01 | pyrimethamine | <5 | <5 | <5 | 5 | <5 | 67 | 0 | 0 | <5 | 0 | 20 |
| P01BE | Artemisinin and derivatives | 14 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| P01BE52 | artemether, combinations | 14 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| P01C | AGENTS AGAINST LEISHMANIASIS AND TRYPANOSOMIASIS | 0 | <5 | <5 | <5 | <5 | 0 | <5 | 0 | <5 | 0 | 11 |
| P01CX | Other agents against leishmaniasis and trypanosomiasis | 0 | <5 | <5 | <5 | <5 | 0 | <5 | 0 | <5 | 0 | 11 |
| P01CX01 | pentamidine isethionate | 0 | <5 | <5 | <5 | <5 | 0 | <5 | 0 | <5 | 0 | 11 |
| P02 | ANTHELMINTICS | 2 060 | 1 911 | 2 061 | 2 024 | 2 000 | 57 | 973 | 685 | 255 | 87 | 444 |
| P02B | ANTITREMATODALS | 22 | 21 | 10 | 11 | 16 | 56 | <5 | 10 | <5 | 0 | 52 |
| P02BA | Quinoline derivatives and related substances | 22 | 21 | 10 | 11 | 16 | 56 | <5 | 10 | <5 | 0 | 52 |
| P02BA01 | praziquantel | 22 | 21 | 10 | 11 | 16 | 56 | <5 | 10 | <5 | 0 | 52 |

ATC group P

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|--------------|--------------|--------------|--------------|--------------------|-------------------------------------|------------|--------------|--------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| P02C | ANTINEMATODAL AGENTS | 2 024 | 1 880 | 2 036 | 1 996 | 1 977 | 57 | 970 | 671 | 249 | 87 | 385 |
| P02CA | Benzimidazole derivatives | 1 882 | 1 780 | 1 888 | 1 859 | 1 845 | 57 | 931 | 599 | 230 | 85 | 351 |
| P02CA01 | mebendazole ¹⁾ | 1 877 | 1 766 | 1 872 | 1 843 | 1 827 | 57 | 929 | 588 | 225 | 85 | 253 |
| P02CA02 | tiabendazole | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| P02CA03 | albendazole | <5 | 14 | 16 | 17 | 18 | 39 | <5 | 11 | 5 | 0 | 98 |
| P02CE | Imidazothiazole derivatives | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| P02CE01 | levamisole | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| P02CF | Avermectines | 15 | 13 | 38 | 41 | 43 | 51 | <5 | 31 | 9 | 0 | 22 |
| P02CF01 | ivermectin | 15 | 13 | 38 | 41 | 43 | 51 | <5 | 31 | 9 | 0 | 22 |
| P02CX | Other antinematodals | 137 | 102 | 124 | 118 | 103 | 65 | 41 | 49 | 10 | <5 | 13 |
| P02CX01 | pyrvinium ¹⁾ | 137 | 102 | 124 | 118 | 103 | 65 | 41 | 49 | 10 | <5 | 13 |
| P02D | ANTICESTODALS | 15 | 13 | 16 | 20 | 10 | 40 | <5 | 6 | <5 | 0 | 7 |
| P02DA | Salicylic acid derivatives | 15 | 13 | 16 | 20 | 10 | 40 | <5 | 6 | <5 | 0 | 7 |
| P02DA01 | niclosamide | 15 | 13 | 16 | 20 | 10 | 40 | <5 | 6 | <5 | 0 | 7 |
| P03 | ECTOPARASITICIDES, INCL. SCABICIDES, INSECTICIDES AND REPELLENTS | 1 215 | 1 218 | 1 192 | 1 283 | 1 209 | 48 | 158 | 780 | 207 | 64 | 420 |
| P03A | ECTOPARASITICIDES, INCL. SCABICIDES | 1 215 | 1 218 | 1 192 | 1 283 | 1 209 | 48 | 158 | 780 | 207 | 64 | 420 |
| P03AC | Pyrethrines, incl. synthetic compounds | 1 048 | 1 036 | 1 028 | 1 139 | 1 120 | 46 | 143 | 727 | 190 | 60 | 391 |
| P03AC04 | permethrin ¹⁾ | 1 048 | 1 036 | 1 028 | 1 139 | 1 120 | 46 | 143 | 727 | 190 | 60 | 391 |
| P03AX | Other ectoparasiticides, incl. scabicides | 174 | 197 | 178 | 152 | 96 | 74 | 19 | 56 | 17 | <5 | 29 |
| P03AX01 | benzyl benzoate ¹⁾ | 39 | 36 | 41 | 38 | 35 | 66 | 7 | 23 | <5 | <5 | 13 |
| P03AX03 | malathion ¹⁾ | 136 | 161 | 138 | 114 | 61 | 79 | 12 | 33 | 14 | <5 | 16 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

3.15 ATC group R – Respiratory system

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|----------------|----------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15–44 | 45–69 | ≥70 | |
| R01 | NASAL PREPARATIONS | 286 020 | 302 900 | 313 512 | 330 828 | 331 842 | 57 | 30 808 | 161 476 | 113 579 | 25 979 | 115 028 |
| R01A | DECONGESTANTS AND OTHER NASAL PREPARATIONS FOR TOPICAL USE | 236 601 | 250 120 | 261 098 | 274 864 | 277 114 | 55 | 29 525 | 130 538 | 93 689 | 23 362 | 109 606 |
| R01AA | Sympathomimetics, plain | 5 086 | 5 186 | 4 654 | 4 594 | 4 190 | 53 | 1 008 | 1 578 | 1 097 | 507 | 287 |
| R01AA05 | oxymetazoline ¹⁾ | 2 002 | 2 103 | 1 952 | 1 895 | 1 730 | 54 | 632 | 595 | 376 | 127 | 101 |
| R01AA07 | xylometazoline ¹⁾ | 3 113 | 3 094 | 2 726 | 2 721 | 2 473 | 52 | 378 | 989 | 725 | 381 | 186 |
| R01AB | Sympathomimetics, combinations excl. corticosteroids | 0 | 0 | 0 | 0 | 1 120 | 58 | 28 | 475 | 443 | 174 | 106 |
| R01AB06 | xylometazoline | 0 | 0 | 0 | 0 | 1 120 | 58 | 28 | 475 | 443 | 174 | 106 |
| R01AC | Antiallergic agents, excl. corticosteroids | 38 109 | 40 792 | 44 156 | 47 380 | 44 528 | 56 | 11 313 | 22 942 | 8 798 | 1 475 | 11 218 |
| R01AC01 | cromoglicic acid ¹⁾ | 11 132 | 11 356 | 11 797 | 11 769 | 10 682 | 60 | 2 072 | 5 732 | 2 495 | 383 | 2 801 |
| R01AC02 | levocabastine ¹⁾ | 26 726 | 29 261 | 32 419 | 35 673 | 33 877 | 55 | 9 277 | 17 212 | 6 303 | 1 085 | 8 359 |
| R01AC03 | azelastine ¹⁾ | 604 | 531 | 276 | 303 | 261 | 47 | 61 | 133 | 53 | 14 | 57 |
| R01AD | Corticosteroids | 199 442 | 210 111 | 218 295 | 229 598 | 233 825 | 55 | 18 384 | 108 914 | 85 065 | 21 462 | 97 758 |
| R01AD01 | beclometasone | 2 996 | 2 801 | 2 577 | 2 396 | 2 223 | 53 | 77 | 670 | 1 139 | 337 | 1 132 |
| R01AD04 | flunisolide | 5 223 | 4 988 | 4 811 | 4 529 | 4 109 | 51 | 112 | 1 105 | 2 182 | 710 | 1 496 |
| R01AD05 | budesonide | 50 750 | 48 831 | 48 122 | 46 625 | 43 632 | 56 | 2 944 | 19 313 | 17 058 | 4 317 | 20 833 |
| R01AD08 | fluticasone | 39 301 | 38 294 | 36 639 | 34 279 | 32 319 | 55 | 2 070 | 14 030 | 12 846 | 3 373 | 12 614 |
| R01AD09 | mometasone | 92 615 | 106 874 | 117 994 | 133 980 | 141 847 | 55 | 12 041 | 68 780 | 49 044 | 11 982 | 55 354 |
| R01AD11 | triamcinolone | 16 288 | 15 881 | 15 051 | 14 825 | 13 554 | 55 | 1 202 | 6 399 | 4 742 | 1 211 | 5 527 |
| R01AD12 | fluticasone furoate | 0 | 0 | 0 | 0 | 3 938 | 53 | 350 | 2 036 | 1 245 | 307 | 802 |
| R01AX | Other nasal preparations | 102 | 333 | 431 | 438 | 457 | 48 | 22 | 122 | 148 | 165 | 237 |
| R01AX03 | ipratropium bromide | 38 | 201 | 272 | 265 | 263 | 42 | 0 | 25 | 93 | 145 | 174 |
| R01AX06 | mupirocin | 64 | 132 | 159 | 173 | 194 | 56 | 22 | 97 | 55 | 20 | 63 |
| R01B | NASAL DECONGESTANTS FOR SYSTEMIC USE | 64 184 | 68 736 | 69 851 | 75 585 | 75 529 | 66 | 1 584 | 42 622 | 27 748 | 3 575 | 5 422 |
| R01BA | Sympathomimetics | 64 184 | 68 736 | 69 851 | 75 585 | 75 529 | 66 | 1 584 | 42 622 | 27 748 | 3 575 | 5 422 |
| R01BA01 | phenylpropanolamine | 64 184 | 68 736 | 69 851 | 75 585 | 75 529 | 66 | 1 584 | 42 622 | 27 748 | 3 575 | 5 422 |
| R03 | DRUGS FOR OBSTRUCTIVE AIRWAY DISEASES | 361 077 | 384 946 | 392 065 | 395 584 | 396 395 | 53 | 107 540 | 99 777 | 124 389 | 64 689 | 1 056 018 |
| R03A | ADRENERGICS, INHALANTS | 281 161 | 295 904 | 303 707 | 309 303 | 308 273 | 54 | 55 792 | 89 150 | 108 735 | 54 596 | 710 545 |
| R03AA | Alpha- and beta-adrenoreceptor agonists | 300 | 275 | 240 | 196 | 183 | 39 | 150 | 14 | 15 | <5 | 258 |
| R03AA01 | epinephrine | 300 | 275 | 240 | 196 | 183 | 39 | 150 | 14 | 15 | <5 | 258 |
| R03AC | Selective beta-2-adrenoreceptor agonists | 204 389 | 212 499 | 222 359 | 230 889 | 229 089 | 54 | 51 804 | 67 635 | 73 519 | 36 131 | 150 757 |
| R03AC02 | salbutamol | 134 446 | 146 461 | 161 600 | 171 581 | 174 608 | 53 | 48 731 | 49 169 | 51 795 | 24 913 | 83 961 |
| R03AC03 | terbutaline | 54 087 | 52 012 | 46 582 | 43 398 | 39 091 | 57 | 2 882 | 15 504 | 14 469 | 6 236 | 17 918 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group R

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK | |
|--------------|--|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|----------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | | |
| | <15 | 15-44 | 45-69 | ≥70 | | | | | | | | |
| R03AC04 | fenoterol | 437 | 363 | 192 | 22 | 23 | 43 | 0 | <5 | 16 | 5 | 58 |
| R03AC12 | salmeterol | 10 474 | 9 147 | 9 630 | 11 110 | 10 803 | 55 | 348 | 1 395 | 4 968 | 4 092 | 21 230 |
| R03AC13 | formoterol | 20 574 | 18 836 | 18 468 | 18 705 | 17 274 | 55 | 521 | 4 104 | 7 937 | 4 712 | 27 590 |
| R03AK | Adrenergics and other drugs for obstructive airway diseases | 146 183 | 157 900 | 157 931 | 154 791 | 154 941 | 55 | 12 740 | 42 974 | 65 300 | 33 927 | 559 530 |
| R03AK04 | salbutamol and other drugs for obstructive airway diseases | 0 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 6 |
| R03AK06 | salmeterol and other drugs for obstructive airway diseases | 86 861 | 93 122 | 92 468 | 87 839 | 86 651 | 55 | 10 023 | 20 729 | 35 443 | 20 456 | 330 515 |
| R03AK07 | formoterol and other drugs for obstructive airway diseases | 62 980 | 68 469 | 68 289 | 69 882 | 71 141 | 56 | 2 860 | 23 079 | 31 148 | 14 054 | 229 009 |
| R03B | OTHER DRUGS FOR OBSTRUCTIVE AIRWAY DISEASES, INHALANTS | 124 486 | 126 212 | 129 994 | 132 626 | 133 699 | 51 | 38 704 | 19 170 | 43 274 | 32 551 | 222 467 |
| R03BA | Glucocorticoids | 89 835 | 87 949 | 88 344 | 87 559 | 85 385 | 50 | 38 473 | 16 425 | 20 389 | 10 098 | 93 120 |
| R03BA01 | beclometasone | 6 841 | 5 389 | 5 090 | 4 904 | 4 815 | 56 | 1 035 | 1 108 | 1 835 | 837 | 4 911 |
| R03BA02 | budesonide | 40 722 | 37 512 | 35 120 | 31 518 | 26 284 | 56 | 3 804 | 7 032 | 9 921 | 5 527 | 42 139 |
| R03BA05 | fluticasone | 44 079 | 46 996 | 49 821 | 53 821 | 55 902 | 47 | 34 859 | 8 438 | 8 793 | 3 812 | 46 063 |
| R03BA07 | mometasone | <5 | <5 | <5 | <5 | <5 | 50 | 0 | 0 | <5 | 0 | 7 |
| R03BB | Anticholinergics | 42 093 | 44 739 | 47 832 | 50 686 | 53 548 | 52 | 589 | 3 084 | 25 158 | 24 717 | 129 003 |
| R03BB01 | ipratropium bromide | 35 464 | 36 811 | 39 148 | 41 577 | 41 691 | 53 | 586 | 2 840 | 18 950 | 19 315 | 62 647 |
| R03BB04 | tiotropium bromide | 10 052 | 11 165 | 11 795 | 12 510 | 16 661 | 47 | <5 | 326 | 8 621 | 7 711 | 66 356 |
| R03BC | Antiallergic agents, excl. corticosteroids | 825 | 780 | 769 | 632 | 538 | 62 | 43 | 224 | 219 | 52 | 343 |
| R03BC01 | cromoglicic acid | 825 | 780 | 769 | 632 | 538 | 62 | 43 | 224 | 219 | 52 | 343 |
| R03C | ADRENERGICS FOR SYSTEMIC USE | 62 820 | 71 340 | 69 005 | 65 061 | 66 620 | 49 | 53 918 | 5 418 | 5 123 | 2 161 | 8 521 |
| R03CA | Alpha- and beta-adrenoreceptor agonists | 47 423 | 55 300 | 53 615 | 50 309 | 53 266 | 48 | 44 518 | 3 969 | 3 493 | 1 286 | 6 272 |
| R03CA02 | ephedrine | 47 423 | 55 300 | 53 615 | 50 309 | 53 266 | 48 | 44 518 | 3 969 | 3 493 | 1 286 | 6 272 |
| R03CB | Non-selective beta-adrenoreceptor agonists | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| R03CB03 | orciprenaline | <5 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| R03CC | Selective beta-2-adrenoreceptor agonists | 18 515 | 19 594 | 18 677 | 17 390 | 16 323 | 49 | 12 308 | 1 478 | 1 654 | 883 | 2 250 |
| R03CC02 | salbutamol | 6 520 | 6 855 | 6 242 | 5 887 | 5 077 | 48 | 3 915 | 416 | 475 | 271 | 569 |
| R03CC03 | terbutaline | 11 947 | 12 727 | 12 399 | 11 406 | 11 246 | 50 | 8 508 | 1 041 | 1 110 | 587 | 1 420 |
| R03CC12 | bambuterol | 226 | 205 | 215 | 222 | 227 | 63 | <5 | 38 | 117 | 71 | 261 |

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| R03D | OTHER SYSTEMIC DRUGS FOR OBSTRUCTIVE AIRWAY DISEASES | 28 173 | 33 614 | 35 627 | 37 514 | 39 172 | 54 | 9 222 | 9 600 | 14 103 | 6 247 | 114 485 |
| R03DA | Xanthines | 8 363 | 7 767 | 7 134 | 6 527 | 5 919 | 57 | 7 | 385 | 2 790 | 2 737 | 4 361 |
| R03DA02 | choline theophyllinate | 35 | 34 | 15 | 13 | 12 | 92 | <5 | 0 | 8 | <5 | 78 |
| R03DA04 | theophylline | 8 308 | 7 714 | 7 096 | 6 497 | 5 897 | 57 | 5 | 383 | 2 777 | 2 732 | 4 185 |
| R03DA05 | aminophylline | 52 | 44 | 44 | 37 | 29 | 55 | <5 | <5 | 20 | <5 | 98 |
| R03DC | Leukotriene receptor antagonists | 21 109 | 27 142 | 29 700 | 32 099 | 34 296 | 54 | 9 216 | 9 352 | 11 934 | 3 794 | 105 475 |
| R03DC01 | zafirlukast | 46 | 40 | 37 | 32 | 28 | 61 | 0 | <5 | 20 | <5 | 345 |
| R03DC03 | montelukast | 21 067 | 27 105 | 29 667 | 32 068 | 34 269 | 54 | 9 216 | 9 348 | 11 915 | 3 790 | 105 130 |
| R03DX | Other systemic drugs for obstructive airway diseases | <5 | 6 | 24 | 33 | 44 | 50 | 6 | 24 | 14 | 0 | 4 648 |
| R03DX05 | omalizumab | <5 | 6 | 24 | 33 | 44 | 50 | 6 | 24 | 14 | 0 | 4 648 |
| R05 | COUGH AND COLD PREPARATIONS | 306 856 | 358 631 | 374 210 | 389 332 | 371 668 | 60 | 26 953 | 125 225 | 148 503 | 70 987 | 57 153 |
| R05C | EXPECTORANTS, EXCL. COMBINATIONS WITH COUGH SUPPRESSANTS | 94 047 | 110 743 | 116 431 | 125 858 | 125 843 | 58 | 5 581 | 29 477 | 52 604 | 38 181 | 25 094 |
| R05CA | Expectorants | 3 486 | 3 670 | 3 468 | 3 571 | 3 118 | 59 | 1 025 | 839 | 719 | 535 | 204 |
| R05CA10 | combinations ¹⁾ | 3 486 | 3 670 | 3 468 | 3 571 | 3 118 | 59 | 1 025 | 839 | 719 | 535 | 204 |
| R05CB | Mucolytics | 91 067 | 107 640 | 113 570 | 122 911 | 123 268 | 58 | 4 610 | 28 763 | 52 076 | 37 819 | 24 890 |
| R05CB01 | acetylcysteine | 85 344 | 101 675 | 108 127 | 118 278 | 119 276 | 58 | 3 557 | 27 839 | 50 899 | 36 981 | 17 951 |
| R05CB02 | bromhexine ¹⁾ | 6 629 | 6 993 | 6 431 | 5 498 | 4 814 | 55 | 1 075 | 1 031 | 1 491 | 1 217 | 767 |
| R05CB12 | tiopronin | 0 | 0 | <5 | <5 | <5 | 33 | 0 | <5 | <5 | 0 | 38 |
| R05CB13 | dornase alfa (desoxyribonuclease) | 102 | 87 | 87 | 99 | 110 | 53 | 43 | 58 | 9 | 0 | 6 134 |
| R05D | COUGH SUPPRESSANTS, EXCL. COMBINATIONS WITH EXPECTORANTS | 217 382 | 254 046 | 264 972 | 265 461 | 254 046 | 61 | 19 893 | 94 795 | 101 996 | 37 362 | 28 320 |
| R05DA | Opium alkaloids and derivatives | 209 634 | 245 083 | 256 854 | 262 662 | 254 045 | 61 | 19 893 | 94 795 | 101 996 | 37 361 | 28 320 |
| R05DA01 | ethylmorphine | 200 118 | 235 008 | 246 746 | 251 979 | 245 099 | 61 | 19 560 | 91 661 | 97 963 | 35 915 | 25 759 |
| R05DA03 | hydrocodone | 751 | 751 | 643 | 649 | 565 | 63 | 0 | 98 | 327 | 140 | 185 |
| R05DA04 | codeine | 6 652 | 7 453 | 7 341 | 8 196 | 7 616 | 64 | 111 | 2 960 | 3 416 | 1 129 | 1 549 |
| R05DA07 | noscipine ¹⁾ | 1 396 | 1 497 | 1 590 | 1 844 | 1 555 | 58 | 256 | 494 | 526 | 279 | 129 |
| R05DA08 | pholcodine ¹⁾ | 967 | 988 | 887 | 292 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| R05DA09 | dextromethorphan | 0 | 0 | <5 | 0 | <5 | 50 | <5 | 0 | <5 | 0 | 1 |
| R05DA20 | combinations | 3 348 | 3 344 | 3 439 | 3 976 | 2 860 | 61 | 28 | 883 | 1 446 | 503 | 697 |
| R05DB | Other cough suppressants | 9 786 | 11 332 | 10 171 | 3 510 | <5 | 50 | <5 | <5 | <5 | <5 | 0 |
| R05DB05 | pentoxyverine | 9 786 | 11 332 | 10 171 | 3 510 | <5 | 50 | <5 | <5 | <5 | <5 | 0 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group R

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|--------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| R05F | COUGH SUPPRESSANTS AND EXPECTORANTS, COMBINATIONS | 27 251 | 33 426 | 34 870 | 47 032 | 37 480 | 62 | 2 482 | 14 331 | 14 911 | 5 756 | 3 737 |
| R05FA | Opium derivatives and expectorants | 27 251 | 33 426 | 34 870 | 47 032 | 37 480 | 62 | 2 482 | 14 331 | 14 911 | 5 756 | 3 737 |
| R05FA02 | opium derivatives and expectorants | 27 251 | 33 426 | 34 870 | 47 032 | 37 480 | 62 | 2 482 | 14 331 | 14 911 | 5 756 | 3 737 |
| R06 | ANTIHISTAMINES FOR SYSTEMIC USE | 452 109 | 477 248 | 495 713 | 513 205 | 513 043 | 58 | 76 894 | 218 082 | 169 659 | 48 408 | 184 253 |
| R06A | ANTIHISTAMINES FOR SYSTEMIC USE | 452 109 | 477 248 | 495 713 | 513 205 | 513 043 | 58 | 76 894 | 218 082 | 169 659 | 48 408 | 184 253 |
| R06AA | Aminoalkyl ethers | 30 | 28 | 27 | 24 | 18 | 56 | <5 | <5 | 11 | <5 | 61 |
| R06AA02 | diphenhydramine | 7 | 9 | 5 | <5 | <5 | 25 | 0 | <5 | <5 | <5 | 40 |
| R06AA04 | clemastine | 23 | 19 | 22 | 20 | 14 | 64 | <5 | <5 | 9 | <5 | 20 |
| R06AB | Substituted alkylamines | 35 082 | 35 397 | 37 627 | 38 563 | 40 121 | 63 | 16 521 | 12 431 | 7 743 | 3 426 | 8 350 |
| R06AB02 | dexchlorpheniramine | 35 082 | 35 397 | 37 627 | 38 563 | 40 121 | 63 | 16 521 | 12 431 | 7 743 | 3 426 | 8 350 |
| R06AD | Phenothiazine derivatives | 52 930 | 56 599 | 59 277 | 61 370 | 62 335 | 62 | 4 619 | 22 286 | 25 770 | 9 660 | 33 642 |
| R06AD01 | alimemazine | 46 142 | 49 880 | 52 699 | 54 765 | 55 742 | 62 | 4 572 | 19 708 | 22 992 | 8 470 | 31 065 |
| R06AD02 | promethazine | 7 319 | 7 278 | 7 559 | 7 301 | 7 278 | 67 | 52 | 2 853 | 3 128 | 1 245 | 2 562 |
| R06AD03 | thiethylperazine | 10 | 9 | 9 | 8 | 8 | 50 | 0 | <5 | <5 | 5 | 15 |
| R06AE | Piperazine derivatives | 183 507 | 178 730 | 224 618 | 260 098 | 271 079 | 58 | 42 078 | 114 574 | 88 825 | 25 602 | 51 754 |
| R06AE03 | cyclizine ¹⁾ | 709 | 813 | 801 | 607 | 269 | 60 | 5 | 55 | 122 | 87 | 162 |
| R06AE04 | chlorcyclizine | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| R06AE05 | meclozine ¹⁾ | 1 716 | 1 929 | 1 874 | 1 892 | 2 083 | 86 | 51 | 1 430 | 350 | 252 | 197 |
| R06AE07 | cetirizine ¹⁾ | 141 123 | 171 636 | 220 190 | 256 534 | 268 038 | 58 | 41 959 | 112 778 | 88 087 | 25 214 | 50 689 |
| R06AE09 | levocetirizine | 50 833 | 5 799 | 2 297 | 1 518 | 1 039 | 58 | 79 | 489 | 378 | 93 | 706 |
| R06AX | Other antihistamines for systemic use | 211 734 | 236 941 | 212 567 | 192 364 | 179 603 | 59 | 18 820 | 85 269 | 62 006 | 13 508 | 90 446 |
| R06AX02 | cyproheptadine | 54 | 54 | 35 | 57 | 61 | 46 | 26 | 16 | 12 | 7 | 43 |
| R06AX13 | loratadine ¹⁾ | 44 390 | 37 023 | 56 304 | 72 051 | 74 515 | 59 | 6 540 | 35 857 | 25 845 | 6 273 | 16 155 |
| R06AX17 | ketotifen | <5 | 6 | <5 | 5 | 5 | 40 | <5 | <5 | <5 | <5 | 14 |
| R06AX22 | ebastine ¹⁾ | 30 419 | 35 263 | 31 167 | 25 663 | 23 469 | 63 | 894 | 11 595 | 9 137 | 1 843 | 17 799 |
| R06AX26 | fexofenadine | 12 992 | 13 476 | 11 888 | 10 209 | 11 512 | 63 | 263 | 5 376 | 4 817 | 1 056 | 6 374 |
| R06AX27 | desloratadine | 129 973 | 159 117 | 124 719 | 93 903 | 81 112 | 58 | 11 727 | 37 333 | 26 850 | 5 202 | 50 062 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

3.16 ATC group S – Sensory organs

| ATC level | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|---|-----------------------|---------|---------|---------|---------|--------------------|-------------------------------------|---------|---------|---------|-------------------|
| | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | <15 | 15–44 | 45–69 | ≥70 | | | | | | | |
| S01 OPTHALMOLOGICALS | 479 567 | 505 500 | 513 004 | 519 031 | 523 757 | 57 | 107 056 | 160 596 | 144 117 | 111 988 | 285 210 |
| S01A ANTIINFECTIVES | 241 912 | 255 624 | 255 406 | 250 559 | 261 696 | 56 | 77 526 | 78 078 | 68 455 | 37 637 | 41 441 |
| S01AA Antibiotics | 237 630 | 250 505 | 250 725 | 247 585 | 259 069 | 56 | 77 316 | 77 167 | 67 487 | 37 099 | 40 247 |
| S01AA01 chloramphenicol | 173 797 | 195 558 | 187 144 | 184 768 | 191 788 | 56 | 49 810 | 59 977 | 53 435 | 28 566 | 33 281 |
| S01AA02 chlortetracycline | 0 | 0 | 0 | 0 | <5 | 100 | 0 | 0 | 0 | <5 | 0 |
| S01AA11 gentamicin | 2 440 | 2 652 | 2 278 | 2 122 | 2 017 | 59 | 257 | 728 | 654 | 378 | 230 |
| S01AA12 tobramycin | 326 | 343 | 480 | 2 210 | 2 442 | 59 | 460 | 770 | 677 | 535 | 233 |
| S01AA13 fusidic acid | 75 023 | 66 302 | 76 128 | 72 937 | 79 001 | 57 | 33 652 | 19 739 | 16 023 | 9 587 | 6 143 |
| S01AA30 combinations of different antibiotics | 4 793 | 5 068 | 4 516 | 4 584 | 4 886 | 58 | 358 | 1 250 | 1 771 | 1 507 | 360 |
| S01AD Antivirals | 3 092 | 3 242 | 3 157 | 3 091 | 3 075 | 57 | 154 | 957 | 1 211 | 753 | 752 |
| S01AD02 trifluridine | 0 | <5 | 0 | <5 | <5 | 100 | 0 | 0 | <5 | 0 | 1 |
| S01AD03 aciclovir | 3 092 | 3 242 | 3 157 | 3 090 | 3 074 | 57 | 154 | 957 | 1 210 | 753 | 751 |
| S01AX Other antiinfectives | 3 151 | 4 204 | 3 857 | 2 111 | 1 919 | 52 | 208 | 755 | 626 | 330 | 443 |
| S01AX05 bibrocathol | 0 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S01AX13 ciprofloxacin | 3 151 | 4 203 | 3 856 | 2 109 | 1 917 | 52 | 206 | 755 | 626 | 330 | 424 |
| S01B ANTIINFLAMMATORY AGENTS | 31 778 | 33 572 | 34 171 | 39 668 | 42 750 | 58 | 1 509 | 9 122 | 15 605 | 16 514 | 11 558 |
| S01BA Corticosteroids, plain | 24 829 | 26 425 | 26 543 | 29 707 | 30 125 | 57 | 1 439 | 7 961 | 11 829 | 8 896 | 8 921 |
| S01BA01 dexamethasone | 14 317 | 15 014 | 14 828 | 16 999 | 17 268 | 55 | 476 | 4 404 | 7 173 | 5 215 | 6 293 |
| S01BA02 hydrocortisone | 7 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S01BA04 prednisolone | 12 841 | 13 558 | 13 776 | 14 720 | 14 970 | 58 | 993 | 4 180 | 5 832 | 3 965 | 1 806 |
| S01BA07 fluorometholone | 17 | 19 | 17 | 19 | 15 | 47 | 0 | <5 | 10 | <5 | 15 |
| S01BA09 clobetasone | 0 | 11 | 12 | 18 | 22 | 50 | <5 | 8 | 8 | <5 | 75 |
| S01BA13 rimexolone | 1 363 | 1 587 | 1 754 | 2 096 | 2 141 | 49 | 95 | 965 | 771 | 310 | 733 |
| S01BB Corticosteroids and mydriatics in combination | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 3 |
| S01BB03 fluorometholone and mydriatics | <5 | <5 | <5 | <5 | <5 | 100 | 0 | 0 | 0 | <5 | 3 |
| S01BC Antiinflammatory agents, non-steroids | 7 835 | 8 001 | 8 608 | 11 289 | 14 220 | 59 | 87 | 1 478 | 4 386 | 8 269 | 2 634 |
| S01BC03 diclofenac | 7 835 | 8 001 | 8 608 | 11 289 | 14 220 | 59 | 87 | 1 478 | 4 386 | 8 269 | 2 634 |
| S01C ANTIINFLAMMATORY AGENTS AND ANTIINFECTIVES IN COMBINATION | 55 027 | 54 884 | 54 487 | 54 804 | 57 132 | 59 | 1 214 | 9 921 | 19 115 | 26 882 | 11 663 |
| S01CA Corticosteroids and anti-infectives in combination | 55 027 | 54 884 | 54 487 | 54 804 | 57 132 | 59 | 1 214 | 9 921 | 19 115 | 26 882 | 11 663 |
| S01CA01 dexamethasone and antiinfectives | 55 027 | 54 884 | 54 487 | 54 804 | 57 132 | 59 | 1 214 | 9 921 | 19 115 | 26 882 | 11 663 |
| S01E ANTIGLAUCOMA PREPARATIONS AND MIOTICS | 64 382 | 65 485 | 66 581 | 67 445 | 68 114 | 58 | 152 | 1 784 | 19 286 | 46 892 | 168 124 |

ATC group S

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| S01EA | Sympathomimetics in glaucoma therapy | 3 096 | 3 410 | 3 583 | 3 654 | 3 947 | 55 | 17 | 151 | 1 029 | 2 750 | 4 874 |
| S01EA01 | epinephrine | <5 | <5 | <5 | <5 | 5 | 100 | <5 | 0 | <5 | 0 | 6 |
| S01EA02 | dipivefrine | 392 | 310 | 275 | 234 | 217 | 51 | 0 | 6 | 44 | 167 | 223 |
| S01EA03 | apraclonidine | 56 | 66 | 70 | 69 | 91 | 52 | 0 | 16 | 29 | 46 | 41 |
| S01EA05 | brimonidine | 2 693 | 3 073 | 3 275 | 3 399 | 3 700 | 55 | 13 | 135 | 973 | 2 579 | 4 604 |
| S01EB | Parasympathomimetics | 2 244 | 2 044 | 1 802 | 1 637 | 1 494 | 61 | 7 | 59 | 323 | 1 105 | 918 |
| S01EB01 | pilocarpine | 2 243 | 2 040 | 1 799 | 1 634 | 1 492 | 61 | 7 | 59 | 321 | 1 105 | 913 |
| S01EB02 | carbachol | <5 | 5 | <5 | <5 | <5 | 67 | 0 | 0 | <5 | <5 | 5 |
| S01EC | Carbonic anhydrase inhibitors | 9 055 | 9 206 | 9 383 | 9 559 | 9 474 | 58 | 69 | 549 | 2 352 | 6 504 | 12 437 |
| S01EC01 | acetazolamide | 1 442 | 1 497 | 1 580 | 1 694 | 1 587 | 55 | 31 | 400 | 549 | 607 | 1 029 |
| S01EC02 | diclofenamide | <5 | 0 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S01EC03 | dorzolamide | 3 955 | 3 468 | 3 242 | 2 974 | 2 780 | 58 | <5 | 46 | 578 | 2 155 | 3 913 |
| S01EC04 | brinzolamide | 4 040 | 4 550 | 4 887 | 5 150 | 5 412 | 58 | 38 | 120 | 1 307 | 3 947 | 7 495 |
| S01EC05 | methazolamide | 8 | 5 | 8 | 6 | <5 | 100 | 0 | 0 | 0 | <5 | 0 |
| S01ED | Beta blocking agents | 47 129 | 46 966 | 47 137 | 47 223 | 47 808 | 58 | 104 | 1 073 | 13 599 | 33 032 | 76 321 |
| S01ED01 | timolol | 24 421 | 24 292 | 23 957 | 23 424 | 23 272 | 58 | 77 | 555 | 7 556 | 15 084 | 21 386 |
| S01ED02 | betaxolol | 3 623 | 3 114 | 2 805 | 2 525 | 2 231 | 67 | 0 | 23 | 469 | 1 739 | 1 597 |
| S01ED51 | timolol, combinations | 21 560 | 21 901 | 22 592 | 23 680 | 24 636 | 57 | 41 | 580 | 6 290 | 17 725 | 53 338 |
| S01EE | Prostaglandin analogues | 31 263 | 33 213 | 34 372 | 35 228 | 35 331 | 59 | 25 | 587 | 9 288 | 25 431 | 73 574 |
| S01EE01 | latanoprost | 28 118 | 29 095 | 29 518 | 29 949 | 29 611 | 59 | 22 | 481 | 7 635 | 21 473 | 62 744 |
| S01EE03 | bimatoprost | 1 493 | 1 686 | 1 836 | 1 790 | 1 814 | 59 | <5 | 44 | 524 | 1 243 | 3 125 |
| S01EE04 | travoprost | 2 304 | 3 026 | 3 607 | 4 046 | 4 445 | 56 | <5 | 76 | 1 302 | 3 065 | 7 705 |
| S01F | MYDRIATICS AND CYCLOPLEGICS | 5 042 | 5 324 | 5 233 | 4 586 | 4 709 | 46 | 565 | 1 239 | 1 918 | 987 | 910 |
| S01FA | Anticholinergics | 5 036 | 5 316 | 5 225 | 4 568 | 4 702 | 46 | 565 | 1 237 | 1 914 | 986 | 903 |
| S01FA01 | atropine | 3 858 | 3 914 | 3 398 | 2 594 | 2 730 | 44 | 499 | 680 | 1 055 | 496 | 561 |
| S01FA02 | scopolamine | 8 | 9 | 5 | <5 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S01FA04 | cyclopentolate | 284 | 605 | 926 | 1 901 | 2 018 | 49 | 57 | 578 | 894 | 489 | 307 |
| S01FA05 | homatropine | 923 | 919 | 1 048 | 127 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S01FA06 | tropicamide | 180 | 115 | 112 | 185 | 164 | 53 | 17 | 61 | 58 | 28 | 35 |
| S01FB | Sympathomimetics excl. antiglaucoma preparations | 39 | 39 | 39 | 62 | 48 | 42 | <5 | 14 | 26 | 7 | 7 |
| S01FB01 | phenylephrine | 39 | 39 | 39 | 62 | 48 | 42 | <5 | 14 | 26 | 7 | 7 |
| S01G | DECONGESTANTS AND ANTIALLERGICS | 147 499 | 159 735 | 167 390 | 175 205 | 164 182 | 58 | 30 481 | 77 295 | 44 652 | 11 754 | 47 248 |
| S01GA | Sympathomimetics used as decongestants | 24 779 | 25 656 | 25 621 | 25 915 | 23 663 | 60 | 3 351 | 11 197 | 7 088 | 2 027 | 6 724 |

ATC group S

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|----------------|----------------|----------------|----------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | | | | | | | <15 | 15-44 | 45-69 | ≥70 | |
| S01GA51 | naphazoline, combinations | 8 | 7 | 9 | 11 | 11 | 73 | 0 | <5 | 5 | <5 | 3 |
| S01GA52 | tetryzoline, combinations ¹⁾ | 24 771 | 25 649 | 25 613 | 25 904 | 23 652 | 60 | 3 351 | 11 193 | 7 083 | 2 025 | 6 721 |
| S01GX | Other antiallergics | 126 622 | 138 195 | 145 873 | 153 776 | 144 176 | 58 | 27 952 | 67 751 | 38 553 | 9 920 | 40 524 |
| S01GX01 | cromoglicic acid ¹⁾ | 27 087 | 27 759 | 27 758 | 27 703 | 24 771 | 62 | 3 615 | 11 774 | 7 547 | 1 835 | 6 709 |
| S01GX02 | levocabastine ¹⁾ | 66 791 | 70 654 | 74 462 | 78 424 | 72 868 | 57 | 14 824 | 34 616 | 18 873 | 4 555 | 17 067 |
| S01GX04 | nedocromil | 2 890 | 2 722 | 2 466 | 2 327 | 1 980 | 57 | 304 | 1 035 | 521 | 120 | 409 |
| S01GX05 | lodoxamide ¹⁾ | 682 | 604 | 470 | 444 | 338 | 64 | 53 | 117 | 106 | 62 | 103 |
| S01GX06 | emedastine | 856 | 756 | 648 | 643 | 545 | 59 | 97 | 214 | 167 | 67 | 184 |
| S01GX07 | azelastine | 2 015 | 1 776 | 923 | 901 | 755 | 55 | 127 | 315 | 206 | 107 | 205 |
| S01GX08 | ketotifen ¹⁾ | 17 426 | 17 893 | 18 526 | 18 611 | 16 873 | 58 | 3 262 | 7 864 | 4 530 | 1 217 | 7 138 |
| S01GX09 | olopatadine | 14 083 | 21 652 | 25 832 | 30 544 | 30 650 | 57 | 6 836 | 13 559 | 7 921 | 2 334 | 8 709 |
| S01X | OTHER OPHTHALMOLOGICALS | 5 691 | 5 964 | 5 765 | 6 077 | 6 842 | 71 | 85 | 849 | 2 499 | 3 409 | 4 242 |
| S01XA | Other ophthalmologicals | 5 691 | 5 964 | 5 765 | 6 077 | 6 842 | 71 | 85 | 849 | 2 499 | 3 409 | 4 242 |
| S01XA03 | sodium chloride, hypertonic | 27 | 29 | 19 | 18 | 16 | 50 | 0 | 0 | <5 | 12 | 12 |
| S01XA18 | ciclosporin | 0 | 0 | 7 | 25 | 27 | 63 | <5 | 8 | 16 | <5 | 236 |
| S01XA20 | artificial tears and other indifferent preparations | 5 668 | 5 940 | 5 744 | 6 038 | 6 806 | 71 | 84 | 842 | 2 483 | 3 397 | 3 995 |
| S02 | OTOLOGICALS | 6 263 | 6 173 | 7 290 | 11 991 | 12 975 | 53 | 2 878 | 3 581 | 4 694 | 1 822 | 2 477 |
| S02A | ANTIINFECTIVES | 446 | 441 | 2 346 | 5 578 | 7 044 | 48 | 2 756 | 1 998 | 1 693 | 597 | 1 326 |
| S02AA | Antiinfectives | 446 | 441 | 2 346 | 5 578 | 7 044 | 48 | 2 756 | 1 998 | 1 693 | 597 | 1 326 |
| S02AA01 | chloramphenicol | 446 | 441 | 315 | 253 | 197 | 41 | 92 | 46 | 44 | 15 | 84 |
| S02AA15 | ciprofloxacin | 0 | 0 | 2 046 | 5 347 | 6 873 | 48 | 2 676 | 1 956 | 1 658 | 583 | 1 242 |
| S02B | CORTICOSTEROIDS | 5 725 | 5 638 | 4 982 | 6 623 | 6 117 | 60 | 134 | 1 661 | 3 074 | 1 248 | 1 144 |
| S02BA | Corticosteroids | 5 725 | 5 638 | 4 982 | 6 623 | 6 117 | 60 | 134 | 1 661 | 3 074 | 1 248 | 1 144 |
| S02BA07 | betamethasone | 5 725 | 5 638 | 4 982 | 6 623 | 6 117 | 60 | 134 | 1 661 | 3 074 | 1 248 | 1 144 |
| S02C | CORTICOSTEROIDS AND ANTIINFECTIVES IN COMBINATION | 108 | 105 | 66 | 75 | 58 | 59 | <5 | 16 | 28 | 12 | 8 |
| S02CA | Corticosteroids and anti-infectives in combination | 108 | 105 | 66 | 75 | 58 | 59 | <5 | 16 | 28 | 12 | 8 |
| S02CA02 | flumetasone and antiinfectives | 108 | 105 | 66 | 75 | 58 | 59 | <5 | 16 | 28 | 12 | 8 |
| S03 | OPHTHALMOLOGICAL AND OTOLOGICAL PREPARATIONS | 68 989 | 68 730 | 73 527 | 74 413 | 77 891 | 54 | 15 088 | 23 679 | 27 261 | 11 863 | 10 954 |
| S03B | CORTICOSTEROIDS | 1 590 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S03BA | Corticosteroids | 1 590 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |
| S03BA01 | dexamethasone | 1 590 | <5 | 0 | 0 | 0 | – | 0 | 0 | 0 | 0 | 0 |

¹⁾The ATC level comprises OTC medicinal products. The number of individuals is registered for prescription sales only.

ATC group S

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|---|-----------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------------|---------------|---------------|---------------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| S03C | CORTICOSTEROIDS AND ANTIINFECTIVES IN COMBINATION | 67 795 | 68 727 | 73 527 | 74 413 | 77 891 | 54 | 15 088 | 23 679 | 27 261 | 11 863 | 10 954 |
| S03CA | Corticosteroids and anti-infectives in combination | 67 795 | 68 727 | 73 527 | 74 413 | 77 891 | 54 | 15 088 | 23 679 | 27 261 | 11 863 | 10 954 |
| S03CA01 | dexamethasone and antiinfectives | 18 162 | 23 473 | 21 089 | 16 097 | 18 884 | 56 | 2 548 | 5 607 | 7 369 | 3 360 | 2 394 |
| S03CA04 | hydrocortisone and antiinfectives | 53 047 | 49 329 | 55 887 | 61 041 | 62 127 | 53 | 12 914 | 19 035 | 21 160 | 9 018 | 8 560 |

3.17 ATC group V – Various

| ATC level | | 2004 | 2005 | 2006 | 2007 | 2008 | Share of women (%) | 2008 | | | | Sales in 1000 NOK |
|--------------|--------------------------|-----------------------|--------------|--------------|--------------|--------------|--------------------|-------------------------------------|--------------|------------|-----------|-------------------|
| | | Number of individuals | | | | | | Number of individuals per age group | | | | |
| | | <15 | 15-44 | 45-69 | ≥70 | | | | | | | |
| V01 | ALLERGENS | 1 672 | 2 525 | 3 343 | 4 170 | 4 944 | 47 | 1 145 | 2 945 | 824 | 30 | 19 709 |
| V01A | ALLERGENS | 1 672 | 2 525 | 3 343 | 4 170 | 4 944 | 47 | 1 145 | 2 945 | 824 | 30 | 19 709 |
| V01AA | Allergen extracts | 1 672 | 2 525 | 3 343 | 4 170 | 4 944 | 47 | 1 145 | 2 945 | 824 | 30 | 19 709 |
| V01AA02 | grass pollen | 851 | 1 380 | 1 938 | 2 501 | 3 044 | 44 | 652 | 2 014 | 367 | 11 | 9 018 |
| V01AA03 | house dust mites | 88 | 116 | 171 | 211 | 284 | 45 | 109 | 139 | 36 | 0 | 1 293 |
| V01AA05 | tree pollen | 1 074 | 1 581 | 2 139 | 2 691 | 3 096 | 49 | 711 | 1 826 | 547 | 12 | 7 362 |
| V01AA07 | insects | 182 | 246 | 215 | 192 | 206 | 51 | 23 | 59 | 110 | 14 | 830 |
| V01AA10 | flowers | 16 | 27 | 35 | 36 | 54 | 59 | <5 | 37 | 14 | 0 | 194 |
| V01AA11 | animals | 86 | 129 | 140 | 178 | 201 | 52 | 75 | 92 | 34 | 0 | 1 014 |

Noen forkortelser og definisjoner / Some abbreviations and definitions

| | | |
|---------|--|---|
| ADHD | Attention Deficit Hyperactivity Disorder | Attention Deficit Hyperactivity Disorder |
| ATC | Anatomisk Terapeutisk Kjemisk (klassifikasjonssystem for legemidler) | Anatomical Therapeutical Chemical (classification system for medicines) |
| COPD | Kronisk obstruktiv lungesykdom | Chronic Obstructive Pulmonary Disease |
| DDD | Definert døgndose | Defined Daily Doses |
| EEA | | European Economic Association |
| EØS | Europeisk økonomisk samarbeid | |
| FHI | Folkehelseinstituttet | |
| GP | | General Practitioner |
| ICD -10 | | International Classification of Diseases version 10 |
| ICPC | | International Classification of Primary Care |
| LAR | Legemiddelassistert rehabilitering | |
| MA | Markedsføringstillatelse | Marketing Authorisation |
| NAV | Arbeids- og velferdsforvaltningen | Norwegian National Insurance Administration |
| NIPH | | Norwegian Institute of Public Health |
| NMD | Norsk Medisinaldepot | Norwegian Medicinal Depot (wholesaler) |
| NOK | Norske kroner | Norwegian kroner |
| NorPD | Reseptregisteret | Norwegian Prescription Database |
| NSAID | Ikke-steroid antiinflammatorisk legemiddel | Non Steroidal Anti-Inflammatory Drug |
| OTC | Reseptfritt | Over The Counter, non prescription drugs |
| RGP | | Regular General Practitioner |
| SPC | | Summary of Product Characteristics |
| SSB | Statistisk sentralbyrå | Statistics Norway |
| WHO | Verdens helseorganisasjon | World Health Organization |

Definisjoner

Prevalens

Brukere (individer) defineres som personer som har hentet minst én resept på apotek i perioden. I Reseptregisteret kan du finne antall brukere av ett bestemt legemiddel eller en legemiddelgruppe per år i et definert befolkningsutvalg (f.eks. kjønn, alder, bosted). Prevalens er definert som antall brukere per 1000 innbyggere i det definerte befolkningsutvalget.

Insidens (nye brukere)

Insidens er antall brukere av ett bestemt legemiddel eller en legemiddelgruppe i en definert tidsperiode som ikke var brukere i en tidligere, definert periode.

Definitions

Prevalence

A user (individual) is defined as a person who has had at least one prescription dispensed in a pharmacy during a specific time period. In NorPD, you can find the number of users of a particular drug/drug category per year in a defined population selection (e.g. sex, age, county). Prevalence is defined as the number of users per 1000 inhabitants in the selected populations.

Incidence (new users)

Incidence is the number of users of a particular drug/drug category in a defined time period who are not users in a previous, defined time period.

Folkemengde i Norge 2004–2008 (per 1. juli)/ Population in Norway 2004–2008 (as of 1st July)

| Year | 2004 | 2005 | 2006 | 2007 | 2008 |
|------------|-----------|-----------|-----------|-----------|-----------|
| Population | 4 591 996 | 4 623 474 | 4 661 041 | 4 709 155 | 4 768 077 |

Folkemengde etter alder i 2008 (per 1. juli)/ Population by age in 2008 (as of 1st July)

| Age groups | <15 | 15–44 | 45–69 | ≥70 |
|------------|---------|-----------|-----------|---------|
| Population | 878 523 | 1 942 415 | 1 424 156 | 522 983 |

Kilde: Statistisk sentralbyrå
Source: Statistics Norway

Reseptregisteret
2004–2008

The Norwegian
Prescription Database
2004–2008



