

DRG SYSTEM

Major Agreements

DRG System provides the Nordic countries with software for DRG since 1991.

2007-12-28 Agreement on use of DMS for all Nordic countries

2004-12-20 Agreement with Västmanlands läns landsting for grouper starting 2005

2003-04-10 Agreement with Norwegian Sintef and Helsedepartementet in Oslo on use of a DLL-based grouper for "Norsk Pasient Klassifisering" (NPK)

2003-02-22 Agreement with Stockholms läns landsting on license for the using WebbDRG. There is an earlier license to use the grouper for production in the whole "landsting"

2002-10-29 Agreement with Nirvaco AS (Norway) for distribution of our grouper in Norway with start 2003-05-01

Products

- Interactive groupers for Unix, PC and embedding in PAS systems
- WebbDRG, an interactive grouper available on Internet
- Batchgrouping
- AnalyseDRG, an interactive PC based grouper for investigating the grouping algorithm, analysing DRG costs for various case-mixes
- DMS, a tool for construction and maintenance of DRG Groupers

Customers



Our programs are used at hundreds of clinics in the Nordic countries. Starting from 2002 most inpatients in Denmark and from 2003 almost all inpatients in Norway are grouped by our software.

In Sweden

Västmanlands läns landsting, Stockholms läns landsting, Östergötlands läns landsting, Jönköpings läns landsting and various other institutions

In Denmark

Agreement with Sundhedsministeriet

In Norway

Agreement with Sosial- og helsedirektoratet and Nirvaco AS

All places

DRGKost, program to calculate the cost per DRG. Since 1992 we have delivered our program for cost calculations of DRG:s. This program is replaced with the more elaborate AnalyseDRG programs.

Contact

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DRG PRODUCTS

We offer groupers according to NordDRG and various programs for analysing DRG:s

AnalyseDRG

Interactive grouper for PC with lots of possibilities to analyse DRG. The program can be used for education, demonstration and verification purposes. For the advanced user there are functions to analyse the DRG algorithm. There is also a database with typical case-mixes for various specialities, size of hospitals and their specialities. There are tools for analysing cost of DRG, outliers, mean time of stay etc.

Interactive grouper for all common platforms

The interactive grouper can be run on most platforms, e.g. Unix based and Windows XP/Vista. The user inputs DRG-deciding parameters like diagnoses, procedures, age, gender, discharge and duration of stay. DRG is calculated and stored in a database. The database can be MS SQL Server, MySQL, Oracle and others. It is also possible to register data defined by the user. Data is thoroughly tested during input against common errors.

Interactive groupers for embedding in existing PAS

We have several solutions for embedding our groupers in existing PAS systems. We have the following solutions running at various customers: Linking of the grouper directly into the PAS system, using TCP/IP-sockets to a special process for the grouper and for PC based systems through a DLL or a COM object.

Batchgrouping

Of course the grouper is also available as a batch grouper. Some customers use it to group a batch of cases stored on a file. Others build it into a PAS system where it can be embedded to group a batch of cases found through a database query.

WebbDRG

The grouper can be run over Internet. In addition to do the grouping you get on-line help with diagnoses and procedures. The grouping result is displayed with an optional window illustrating the grouping algorithm.

DMS - a tool for construction of groupers

DRG Management System, DMS, is a tool developed for construction of DRG grouper software.

It is used for the development and maintenance of the NordDRG groupers. With DMS you can test different implementations of changes in the DRG algorithm in a user friendly environment without need of computer programming. Changes can immediately be tested by grouping small, big or huge number of patient records. There is also an add-on program, DRGstat, which can be used for comparisons of different grouper algorithms with respect to degree of resource explanation.

DRG

AnalyseDRG

PC based grouper in various versions for education, testing and analysing DRG:s

Education, testing, verification

- Input diagnoses and procedures and other DRG deciding data
- See which diagnoses and procedures influenced the result
- Analyse the effect of changing the main diagnosis
- Analyse the effect of discarding some of the diagnoses or procedures
- Study case-mixes of patients from a database of typical clinics

The program

The screenshot shows the main interface of the AnalyseDRG program. On the left is a table of cases with columns for age, sex, date, DRG text, weight, and cost. In the center is the 'Diagnose' window, which allows users to select and edit diagnoses and procedures. On the right is the 'Choose a diagnosis' window, which displays a hierarchical list of medical codes and descriptions for selection.

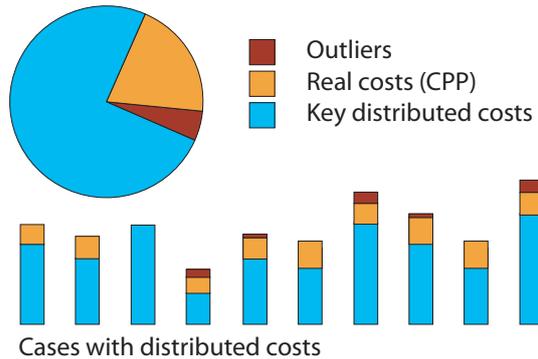
Details from a case. You can after grouping see which data influenced the grouping

If you input incomplete diagnoses or procedures you choose correct code from this window

Set of cases to analyse from a selected clinic. You can filter them by conditions you define yourself or use predefined conditions

Calculation of the DRG costs

Our program DRGKost has successfully been used at around 100 clinics in Sweden. The principal has been to distribute the total cost of the organization on the DRG:s. This is done by distributing the costs through keys and taken into account real costs if available. AnalyseDRG will have an add-in for similar calculations.



- Calculates cost per DRG
- Shows total outlier costs and percentages
- Shows detail information on outliers
- Explains data with various diagrams

DRG

INTERACTIVE GROUPER

Powerful platform independent tool for data verification, registration and grouping. For production use.

Description

Easy-to-use registration program which can be run on most platforms. Mostly it is run on networked connections to a central database like MS SQL Server or MySQL. The program performs sophisticated checking on input data to avoid corrupt or erroneous data.

User interface

The screenshot shows the main interface of the NordDRG grupperare program. It includes a menu bar (File, Help), a toolbar (Gruppera, Spara, Nytt Vfr, Bort Vfr, Person, KIR - Sjukhuset i X-stad), and several data entry fields for patient information (Personnummer, K n, Namn, Mammans pnr, Inskrivningsnr, Avdelning, Indatum, Utdatum, L n.Kom.F r, V rldform, Akut, Inskrs tt, Alder, Utskrs tt, V rldgr, Deb DRG, F rdigdatur, F rdi., JfrVikt, Klinik, L kare, Opertr). Below these are three tables: a list of DRG cases with columns for Drgr, Inskri., Personnumm., and Namn; a list of diagnoses with columns for Asteris., Astartext, Diagno., Diatext, E_kod., PRG, and Journl; and a list of operations with columns for Operat., Opetext, Anlat_s nsner, Ope., Operationsdatum, Operation., and Operat r.

Cases which are grouped during this session are red marked

The 'Selektera v rdtillf llen' dialog box allows for filtering patient records. It has checkboxes for 'Ej DRG-satta v rdtillf llen' and 'Markerade v rdtillf llen'. Below are dropdown menus for 'Kolumn' (Utskrivningsdatum), 'V rde', and 'Avdelning', along with 'och' and 'eller' operators. A 'Filtera' button is at the bottom. The table below shows a list of patient records with columns: Personnumm., Namn, Mkr, Inskri., Inskrivning., Utskrivn., Avdel., DRG, Alder, Debit., and Regl.

Personnumm.	Namn	Mkr	Inskri.	Inskrivning.	Utskrivn.	Avdel.	DRG	Alder	Debit.	Regl.
1 1111202119	Karl Andersson		19219	1999-01-12	1999-01-15	350	67			GLE
2 1111202121	Karl Andersson	J	31178	1999-03-18	1999-03-24	311	69			UAN
3 1111202121	Karl Andersson	J	65176	1999-04-29	1999-05-02	311	69			UAN
4 1111202124	Karl Andersson		02283	1999-11-29	1999-12-01	332	68			LQN
5 1111202125	Maria Svensson		67819	1999-01-07	1999-01-11	311	75			GLE
6 191010101010	Kalle Nittr�n	J	nytt	2001-01-01	2001-02-02	183	90			k

Selected cases to be handled. A variety of selection criteria can be applied

Exchanges the highlighted secondary diagnosis with the main diagnosis. This illustrates the effect of using different main diagnoses.

When registering an external cause of morbidity and mortality the program checks that consequences are registered (injury, poisoning and other certain consequences of external causes)

A variety of fields can be defined by the user. The user can attach validation code to these fields.

When registering a procedure you are forced to indicate causing diagnoses

The NordDRG manual is displayed with a description of current DRG logic

If you register an asterisk code it is moved automatically to the asterisk field and you are prompted to register a corresponding dagger code.

