

## Nordic Casemix Centre - Development initiative

### #813 - Changes required in NordDRG tools (NDMS, grouper, def. tables)

2022-02-01 18:02 - Mats Fernström

<b>Status:</b>	Active	<b>Start date:</b>	2022-02-01
<b>Priority:</b>	Minor	<b>Due date:</b>	
<b>Assignee:</b>	Mats Fernström	<b>Spent time:</b>	0.00 h
<b>Initiator:</b>	Sweden	<b>Target Grouper:</b>	Combined
<b>MDC:</b>	GEN	<b>Owner / responsible:</b>	National organisations

#### Description

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**Mats Fernström, the National Board of Health and Welfare, Sweden 2022-02-01** (Swe ID C913)

The term MDC is used in two completely different meanings in NordDRG. In the table drg\_logic, MDC means the MDC to which the principal diagnosis must belong to and in the table drg\_name, MDC means the MDC to which the DRG belongs. It is not always so that the MDC of the principal diagnosis is the same as the MDC of the DRG. In the Swedish version of NordDRG for 2022 there are 251 rules where the MDC of the principal diagnosis differs from the MDC of the DRG outcome, which corresponds to 194 different DRGs.

To make the grouping logic more transparent and to avoid future misunderstandings we suggest that the headline 'mdc' in the table drglogic is changed to dg\_mdc (= diagnosis-mdc) and that the headline 'mdc' in the table drg\_name is changed to drg\_mdc.

#### History

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**#4093 - 2022-02-16 17:32 - Mats Fernström**

**Mats Fernström, the National Board of Health and Welfare, Sweden 2022-02-16** (Swe ID C913)

When we're still working on it, we can also fix some other "beauty spots".

The grouping properties should be abbreviated in the same way, no matter what table they are in. Here are some differences that I noticed when I wrote the document "How to read NordDRG definition tables 2021-12-20".

##### Principal diagnosis property

- pdgprop in table drg\_logic & pdgprop\_name
- PDGPRO in table dg\_feat

##### Operation room procedure property

- or\_proc in table drg\_logic
- OR in table proc\_feat

##### Procedure property

- procpro in table drg\_logic
- PROCPR in table proc\_feat
- procprop in table procprop\_name

The uniformity should be achieved in the easiest way, which can be decided by NCC.

Furthermore, it has been pointed out that the difference between 'procpro' and 'secpro' in the table drg\_logic is unclear for those who are not experts in the grouping logic. The suggestion from our IT consultant is that these headings are changed to 'procpro1' and 'procpro2' similar to the 'dgprop' columns.

All suggested changes in this case can be regarded as cosmetic, but they increase the transparency of the system, which is good for newcomers, both in local and national DRG teams. There is no hurry, however. The changes can be done when appropriate, but at latest when NordDRG shall be adapted to ICD-11, when the groupers must be re-programmed anyhow.

**#4215 - 2022-09-30 20:08 - Kristiina Kahur**

- Description updated

- Status changed from Active to Further active

Updated by [Kristiina Kahur](#) 6 months ago

- Status changed from Active to Further active

#### 2022-03-18 Expert Group

It was decided during EG meeting that the changes will be done in 2024 PL version, change concerns the NDMS, grouper (Nordic and national) and all def. tables (xls, json, csv).

This case remains open.

**#4216 - 2022-09-30 20:09 - Kristiina Kahur**

- Target year 2024 added

2026-06-26

- Target year deleted (2023)

#### #4384 - 2023-03-08 12:08 - Anonymous

Since this also affects the grouper, Norway would prefer to wait with this change until the grouper must be reprogrammed because of ICD-11.

#### #4396 - 2023-03-15 18:10 - Kristiina Kahur

##### 2023-03-09 Expert Group

This case is linked to #822 .

Given that the introduction of ICD-11 and ICHI will require changes in NDMS, grouper and def.tables, this change will be done once the actions concerning the transition to ICD-11 and ICHI will be taken.

Until then, this case remains further active.

#### #4815 - 2025-01-22 15:18 - Kristiina Kahur

- Subject changed from DRG-MDC vs DG-MDC to Changes required in NordDRG tools (NDMS, grouper, def. tables)

#### #4816 - 2025-01-22 15:18 - Kristiina Kahur

- Subject changed from Changes required in NordDRG tools (NDMS, grouper, def. tables to Changes required in NordDRG tools (NDMS, grouper, def. tables)

#### #4817 - 2025-01-22 15:18 - Kristiina Kahur

- Subject changed from Changes required in NordDRG tools (NDMS, grouper, def. tables) to DRG-MDC vs DG-MDC

#### Nordic Casemix Center/Kristiina Kahur 22-1-2025

This is to clarify the issues which require changes in NordDRG tools (NDMS, grouper, def. tables). Based on that, the original text of this ticket was changed from "DRG-MDC vs DG-MDC" to "Changes required in NordDRG tools (NDMS, grouper, def. tables)" to reflect the actual content of this ticket.

The issues are taken from a Word file attached to #822.

They are not directly related to transition to ICD-11 but given that the transition will require changes in NDMS, grouper and/or def.tables anyway, it would make sense to manage all the necessary changes at once.

The suggested changes are as follows:

1. Change the heading 'mdc' in the table drglogic to 'mdc\_dg' (= mdc of diagnosis) and the heading 'mdc' in the table drg\_name to 'mdc\_drg (= mdc of drg)' *This will show that the term MDC is used in two different contexts in NordDRG*
2. In the table drg\_logic, rename the columns procpo and secpro to procpo1 and procpo2, similar to the dgprop columns. *The term "secpro" is not present in the table proc\_feat and the meaning is not obvious.*
3. Harmonise the abbreviation of grouping features throughout the def.tables (and NDMS and grouper), no matter what table they are in. The differences in abbreviations are:
  - o Principal diagnosis property
    - pdgprop in table drg\_logic & pdgprop\_name
    - PDGPRO in table dg\_feat
  - o Operation room procedure property
    - or\_proc in table drg\_logic
    - OR in table proc\_feat
  - o Procedure property
    - procpo in table drg\_logic
    - PROCPR in table proc\_feat
    - procpo in table procpo\_name
4. Extra columns in the table drglogic for administrative parameters as the type of care, type of contact and type of profession of the health care personal. *Currently they are in the fields for diagnoses and procedures.*
5. Extra columns in the table drglogic for interventions. *Now there are only two columns for interventions so the columns dgprop 1-4, originally meant for diagnoses, have to be used also for interventions if a grouping rule is based on more than two procedure codes.*
6. Enable multiple coding for procedures (similar to asterisk-dagger for diagnoses) so that general qualifiers (NCSP codes beginning with Z) are hooked to the right intervention code. *With the present logic, an irrelevant bilateral procedure (e.g. peripheral intravenous catheters) can lead to a DRG for major bilateral interventions (e.g. DRG 471N 'Bilateral or multiple major joint procs of extremities'). If the problem will be solved in ICHI, we can skip this suggestion.*

This case remains further active.

#### #4820 - 2025-01-29 08:50 - Kristiina Kahur

- Subject changed from DRG-MDC vs DG-MDC to Changes required in NordDRG tools (NDMS, grouper, def. tables)

**#4828 - 2025-02-04 13:16 - Anonymous**

As we are making changes in NordDRG tools, couldn't we create a separate table for ATC codes at the same time? A separate table would work in the same way as dg and proc today, a parent table. SWE currently has no ATC codes that affect the grouping, but we have a lot of ATC codes. In SWE, the drug must be registered in case of poisoning and side effects.

**#4829 - 2025-02-04 13:41 - Kristiina Kahur**

**Nordic Casemix Center/Kristiina Kahur 4-2-2025**

Thank you for suggestion.

We have had discussions about the maintenance of ATC codes on Forum tickets #690 and #853.

In NDMS/MBC we have separate tables for ATC codes (national and ATC+) available already.

We also updated the template of TCs in 2023 and added a separate sheet for ATC codes (see the file 'TC\_TEMPLATE\_2021-12-08\_updated.xlsx' under the Files tab in Forum [https://nordcaseforum.easyredmine.com/projects/ncc/files?utm\\_campaign=menu&utm\\_term=files](https://nordcaseforum.easyredmine.com/projects/ncc/files?utm_campaign=menu&utm_term=files))

Given the different use of ATC codes in national definition tables, the full potential for managing and maintaining the ATC codes in NDMS/MBC is still to be realized.

Happy to discuss this issue in the EG meeting.

**#4951 - 2025-03-12 14:00 - Lotta Sokka**

- Task type changed from Case to Development initiative

- Status changed from Further active to Active

- Target year deleted (2024)

**2025-03-11 Expert group**

This case was discussed in the meeting. The tracker of the ticket will be changed to *development initiative*. The ticket remains further active, waiting for the implementation of ICD-11.

**#5136 - 2025-09-04 07:29 - Kristiina Kahur**

**2025-09-02 Expert group**

This case was discussed during EG meeting.

The ticket remains further active, waiting for the implementation of ICD-11.