

Nordic Casemix Centre - Case

#854 - Developing grouping logic for psychiatric care

2023-01-05 11:56 - Lotta Sokka

Status:	Accepted	Start date:	2023-01-05
Priority:	Major	Spent time:	0.00 h
Assignee:	Lotta Sokka		
Category:			
Initiator:	Finland	Target year:	2024
MDC:	MDC19	Owner / responsible:	
Target Grouper:	FIN		

Description

The aim of the project was to update the current psychiatric grouping logic to meet the needs of the psychiatric field. The project was carried out by a development team, which included members from FCG Finnish Consulting Group, Nordic Casemix Centre, Finnish institute for health and welfare and several hospital districts.

The data used in original analyses was from five Finnish university hospitals of year 2019. However, the final testing was done with more recent data (2021) from only one hospital district (see appendix 2). Throughout the project the so called "splitting criteria" was followed. In case of splitting a group of cases, the cost difference between the new groups must be at least 20% and the amount of cases must be at least 50. For strong clinical reasons, however, these rules can occasionally be stretched.

The main updates for the psychiatric grouping logic are:

Update of the psychiatric diagnosis categories (DGCAT) belonging to MDC 19. The psychiatric diagnoses were regrouped into 29 new categories (see TC for details in appendix 1) compared to 19 DGCATs in old logic.

The duration of care for short therapy groups was changed from < 2 to < 3 days, which allowed to group the short hospitalizations (overnight stays) into short therapy DRGs as was fair from the cost point of view.

The OR1 procedure cases for both short therapy and inpatients were split into two separate DRGs: OR1 cases related to one's gender-identity and other OR1 cases. The gender-identity cases were identified by using the new DGCAT 19M53 *Gender-identity related contacts*.

Of psychiatric procedures, psychiatric neuromodulation treatments (for both short therapy and inpatients) and ketamine therapy (for short therapy only) are taken into account in grouping logic. A case involving any of these procedures will be grouped to a separate (short therapy or inpatient) DRG, regardless of the main diagnosis in question. To identify these procedures, two new procedure properties were created and added: 19V14 *Ketamine therapy* and 19V15 *Psychiatric neuromodulation treatment*.

Secondary diagnoses with cc property will complicate the cases with main diagnoses from DGCAT 19M40 *Alcohol addiction* and 19M20 *Drug and alcohol abuse*. Complicated cases are grouped to a separate DRG.

For diagnoses categories 19M03 *Anxiety disorder*, 19M45 *Depression*, 19M51 *Psychosis*, and 19M48 *Neurocognitive disorder* the cases will be grouped into two separate DRGs based on the age. For the first three the split will be made to those under the age of 18 and others. For *Neurocognitive disorder*, however, the split will be for those under the age of 25 and others.

The updated logic has 66 DRGs, of which 34 are short therapy groups and 32 inpatient groups.

Technical changes, cost information and presentation about the project in pdf format are attached.

History

#4339 - 2023-02-20 08:57 - Lotta Sokka

- Attachment deleted (*Appendix1_Psychiatry_TC.xlsx*)

#4340 - 2023-02-20 08:58 - Lotta Sokka

- Attachment *Appendix1_Psychiatry_TC.xlsx* added

#4386 - 2023-03-08 20:48 - Anonymous

2023-03-08 Ralph D

Sweden think it is alot of effort put into this important work to make the DRG system better for Psychiatric care. At this moment Sweden do not want to introduce the Finnish development into our definitionables.

#4433 - 2023-04-03 18:09 - Kristiina Kahur

- Attachment TC_854_NDMS_03042023.xlsx added

- Status changed from Active to Accepted

2023-03-09 Expert Group

This case concerns Finland only.

The changes in NDMS were done according to suggested TCs.

TCs exported from NDMS are attached.

Finland is kindly asked to double-check the accuracy of change made in FIN def.tables during the testing of 2023PL0 version and provide feedback if any correction is needed.

Case is closed.

Files

TC_854_NDMS_03042023.xlsx	100 kB	2023-04-03	Kristiina Kahur
Appendix1_Psychiatry_TC.xlsx	200 kB	2023-02-20	Lotta Sokka
Appendix 3_Developing grouping logic for psychiatric care.pdf	500 kB	2023-01-05	Lotta Sokka
Appendix 2_Psychiatry_Cost info.xlsx	20 kB	2023-01-05	Lotta Sokka