

DRG for rehabilitation in Sweden

Joint use of three health-related classifications

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2024-05-29 36th PCSI Conference

Introduction

- Nord Diagnosis Related Groups (DRG) for rehabilitation was developed in 2008, consists of 33 DRG.
 - Swedish version 2008 for inpatient.
- Further development in Sweden
 - Using modified ICF-codes with qualifiers. Introduced in Sweden 2011
- Health related classifications in Sweden
 - International Statistical Classification of Diseases and Related Health Problems (ICD-10-SE)
 - International Classifications of Functioning, Disability and Health (ICF)
 - Classifications of Health Care Interventions (KVA)

Purpose

- Further development 2023 aimed to:
 - replace the existing codes for functioning with ICF-codes (with qualifiers) to be used for the grouping properties for functioning
 - enable the use of additional ICF-codes to describe more areas of functioning
 - enable the use of additional health interventions from the Swedish Classification of health care interventions (KVÅ) to describe the rehabilitation interventions
- develop Rehab DRGs for mental health conditions

Methods

The further development has been performed by review of ICF-codes from following sources:

- existing 18 modified functioning-codes in Nord DRG for rehabilitation
- functioning entities in ICD-11 V Chapter Supplementary section for functioning assessment
- WHODAS 2.0
- ICF core sets for Rehabilitation
- frequently used ICF-codes in the ICF core sets (n=40)

Used ICF-codes

ICF chapter	ICF title	ICF-codes (n=40)
b1	Mental functions	11
b5	Functions of the digestive, metabolic and endocrine systems	1
b6	Genitourinary and reproductive functions	1
d3	Communication	5
d4	Mobility	8
d5	Self care	7
d7	Interpersonal interactions and relationships	7

The ICF-qualifiers
 0=none
 1=mild
 2= moderate
 3=severe
 4=total
 8=unspecified
 9=not applicable

Grouping properties for functioning

code	Grouping properties for functioning	ICF-codes
23F03	Difficulties with eating and drinking	d550, d560
23F13	Difficulties with dressing, washing oneself and caring for body parts	d510, d520, d540, d570
23F43	Difficulties with toileting	d530, b525, b620
23F53	Difficulties with changing and maintaining body position	d410, d415
23F63	Difficulties with walking and moving around	d450, d451, d460, d465
23F67	Difficulties with hand fine use	d440, d445
23F81	Difficulties with communication	d310, d325, d330, d345, d350
23F92	Problems with cognitive functions	b114, b122, b130, b134, b140, b144, b152, b156, b160, b164, b167
23F93	Difficulties with interactions and relationships	d710, d720, d730, d740, d750, d760, d770
23F99	Difficulties not elsewhere grouped	31 b-codes + 19 d-codes

40 ICF-codes
 280 precordinated codes

50 ICF-codes
 350 precordinated codes

New DRG-groups for rehabilitation with grouping properties

SN	New DRG groups	Grouping properties
1	Rehabilitation due to xxxx, difficulties with communication, relationships	23F81; 23F93
2	Rehabilitation due to xxxx, difficulties with movement, toileting	23F43; 23F63
3	Rehabilitation due to xxxx, difficulties with hygiene/dressing, toileting	23F13; 23F43
4	Rehabilitation due to xxxx, difficulties with movement, hygiene/dressing	23F13; 23F63
5	Rehabilitation due to xxxx, difficulties with toileting	23F43; 23F53; 23F67;
6	Rehabilitation due to xxxx, difficulties with movement	23F53; 23F63
7	Rehabilitation due to xxxx, difficulties with hygiene/dressing	23F13; 23F53; 23F67
8	Rehabilitation due to xxxx, difficulties with eating	23F03; 23F53; 23F67
9	Rehabilitation due to xxxx, for other difficulties	23F03; 23F13; 23F43; 23F53; 23F63; 23F67; 23F81; 23F92; 23F93
10	Rehabilitation due to xxxx, not elsewhere classified	23F99 ¹

1. Grouping property 23F99 is only used for Rehabilitation due other conditions

DRG-groups for rehabilitation

The updated DRG-system consists of 85 DRG for rehabilitation for the 12 groups of health conditions

Rehabilitation due to	DRG groups
stroke	1-9
demyelinating disease	2-9
spinal cord injury	2-9
brain injury	1-9
brain tumor	1-9
neurological disease	1-9
heart- and lung disease	6, 9
connective tissues disease	1-9
other traumatic injury	1-9
amputation	2-9
mental health condition	1, 6, 9
other conditions	9, 10

Results

- 10 new grouping properties for functioning
 - 40+50 ICF-codes + qualifiers (630 precordinated ICF-codes)
- 10 new DRG groups for rehabilitation
- Totally 85 new DRG for rehabilitation
- Using ICD-10-SE codes for main diagnosis for 12 groups of health conditions including mental health conditions
- Using the Classification of health care interventions (KVÅ) for performed interventions (255 KVÅ-codes)

Conclusions

- This DRG-system will improve the possibilities to:
 - describe the functioning level as complement to the health condition and performed rehabilitation interventions
 - joint use of ICF, ICD-10-SE and KVÅ
 - collect data - to be used at local, regional or national level
 - further develop DRG for rehabilitation in other areas such as primary care.
 - follow the patient's functioning level and rehabilitation pathway in health care.



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