

**Nordic Casemix Centre - Case #178**  
**Case 2010-MDC10-01 Complicated diabetes**

2014-01-14 11:15 - Anonymous

<b>Status:</b> Rejected	<b>Start date:</b> 2014-01-14
<b>Priority:</b> Normal	<b>Spent time:</b> 0.00 hour
<b>Assignee:</b>	
<b>Category:</b>	
<b>Target version:</b> Expert Group 2011	
<b>Initiator:</b> Sweden	<b>Target year:</b>
<b>MDC:</b> MDC10	<b>Owner / responsible:</b>
<b>Target Grouper:</b>	<b>Old forum status:</b> CLOSITEM - Closed item

**Description**

Last updated: 2011-04-20  
Status: CLOSITEM - Closed item  
Initiated: 2009-06-11  
By: Liselotte Säll/ Ralph Dahlgren, CPK, Sweden  
Expert Network 2010-03-12 - Postpone recommended  
Board 2010-04-09 - Recommendation accepted  
Expert Network 2011-03-17 - Proposal rejected  
Board 2011-04-04 - Recommendation accepted

**BACKGROUND**

CPK ID 318

**Problem**

Diabetes patients have in NordDRG 2009 a different grouping that will lead them to MDC 10 as decided in Case 2009-MDC10-01 [<http://documents.norddrg.net/issues/180>]]. The Swedish analysis for that case, performed on cost data from 2007, showed that diabetic patients >35 years with vascular disorders (diabetes cases in DRG 130 and 131) or kidney disorders (diabetes cases in DRG 331) were much more expensive than other diabetic patients. This new case is to see if there is a need for a new DRG in MDC 10 for patients >35 years with complicated diabetes.

**Analysis**

The analysis was performed on Swedish cost data from 2007 and 2008. In this material the diabetic patients with organ complications are still found in MDC 01, 02, 05 or 11 since the change decided according to Case 2009-MDC10-01 was introduced 2009. The tables below show that diabetic patients with organ complications are more expensive than other patients in DRG 294, with the exception for patients with eye complications.

<b>Swedish cost database 2007</b>						
	Without cost outliers			With cost outliers		
Diabetes >35 years	n	mean cost	diff from sum	n	mean cost	diff from sum
In DRG 294	3 974	29 013	-4%	4 180	35 777	-5%
In MDC 01	75	33 228	10%	76	35 371	-6%
In MDC 02	65	20 273	-33%	67	23 926	-37%
<b>In MDC 05</b>	333	43 361	<b>44%</b>	375	60 963	<b>62%</b>
<b>In MDC 11</b>	122	36 844	<b>22%</b>	130	42 021	<b>11%</b>
Sum > 35 years	4 569	30 213		4 828	37 730	
<b>Swedish cost database 2008</b>						
	Without cost outliers			With cost outliers		
Diabetes >35 years	n	mean cost	diff from sum	n	mean cost	diff from sum
In DRG 294	4 525	28 481	-3%	4 744	35 011	-4%
<b>In MDC 01</b>	34	45 203	<b>55%</b>	34	45 203	<b>23%</b>
In MDC 02	55	24 978	-15%	58	29 804	-19%
<b>In MDC 05</b>	258	40 641	<b>39%</b>	305	61 631	<b>68%</b>
In MDC 11	88	30 885	6%	96	38 084	4%
Sum > 35 years	4 960	29 232		5 237	36 626	
<b>Swedish cost database 2007 &amp; 2008</b>						
	Without cost outliers			With cost outliers		
Diabetes >35 years	n	mean cost	diff from sum	n	mean cost	diff from sum
In DRG 294	8 499	28 730	-3%	8 924	35 370	-5%
<b>In MDC 01</b>	109	36 963	<b>24%</b>	110	38 410	<b>3%</b>
In MDC 02	120	22 429	-24%	125	26 653	-28%
<b>In MDC 05</b>	591	42 174	<b>42%</b>	680	61 262	<b>65%</b>
<b>In MDC 11</b>	210	34 347	<b>16%</b>	226	40 349	<b>9%</b>
Sum > 35 years	9 529	29 702		10 065	37 156	

## Suggestion

A split of DRG 294 in two groups, one for patients with neurological, vascular or nephrological complications (294A) and one for the rest (294B). With the Swedish cost data such a split will be like the table below. Other complicated cases can of course be added to DRG 294A in the future.

<b>New DRGs based on Swedish cost database 2007 &amp; 2008</b>								
	Without cost outliers				With cost outliers			
	n	mean cost	cost diff	n diff	n	mean cost	cost diff	n diff
DRG 294A (compl.)	910	39 744	39%	10%	1 016	54 136	54%	10%
DRG 294B (other)	8 619	28 642			9 049	35 249		

## COMMENTS

### Expert Network 2010-03-12

The meeting recommended postpones the case to await and see the result of the work with the new CC-logic.

### Expert Network 2011-03-17

The meeting recommended rejecting the proposal.

The case will be closed.

## History

---

#1 - 2014-01-15 10:53 - Anonymous

- Description updated

## Files

---

2010-MDC10-01_01.jpg	76 KB	2014-01-14	Anonymous
2010-MDC10-01_02.jpg	17.3 KB	2014-01-14	Anonymous