

Radu

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Toimenpideluokituksen koodien tulkinta

- loppuu C = varjoainetutkimus
- loppuu T = kuvantamisohjattu toimenpide
- loppuu D = TT
- loppuu Q = matala-annos-TT
- loppuu G = magneettitutkimus vahvakenttälaitteella
- loppuu F = magneettitutkimus keskikenttälaitteella

Lista ei kattava; kannattaa käyttää hyväksi saraketta tutkimusryhma_selite

Distinguishing non-VSSHP customers

Both the old and new Radu versions contain information about whether the unit that ordered the imaging procedure is a unit of VSSHP or an external unit. They are coded as follows:

Old radu

```
ulkopuolinen_koodi:  
E = no, not external ("EI")  
U = yes, external ("ULKOPUOLINEN")
```

New radu (DW)

```
onkotutkimusulkopuolinen:  
E = no, not external ("EI")  
K = yes, external ("KYLÄ")  
M = other? (considered external for now)
```

In the materialized views, they are coded as follows:

```
ulkopuolinen_tutkimus:  
0 (int): is not external  
1 (int): is external
```

Starting 2014, there is a bug in the Radu program. Whenever something is written in the “Muu pyytäjä” column, the row is marked as external, even though the customer is clearly VSSHP by name, and the “Muu pyytäjä” is, e.g., a TYKS doctor.

We tried a heuristic as follows: If any of the rows of one customer were marked as internal, we considered all of that customer’s rows as internal. However, this led to problems where a customer had 20000 rows as external and only 2 as internal. These would all have been marked as internal even though there was clearly a typo in the two rows.

We considered requiring that 90 % of the customer’s rows were internal, but this will not work in the long run, because the bug exists and fake externals are being created fast. Also, it would have excluded too many internals already.

We considered using the rule that if the customer was marked as internal on $\geq 10\%$ of the customer’s rows, the customer is internal. Else, external. Only exceptions are that ‘TYKS’ is always internal and customers beginning with ‘TKS:’ are always external.

Conclusion

We received, from Medbit's Hanna Finneman, an extract from "Musti Yksikkorekisteri". We used that as basis, because it lists almost all units and categorizes them to internals and externals. Less than 2000 rows out of over 5M in Radu were left out because their unit wasn't included in the list. Others were successfully categorized. VSSHP Radu data is in materialized view:

```
stage_dw.mv_radu_vsshp
```