



Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive



RENAL

# Epidemiology of ESKD in Ireland

## Data from 2013 Census

### HSE National Renal Office



# Methodology

- NRO Annual Census on 31<sup>st</sup> December
- Standardised data collection instrument
- Not patient-linked
- No external validation
- Death/modality transfer not collected
- Area of residence of TX patients not collected
- Retrospective adjustment of location of TX patients
- Cross-checking with Beaumont Renal Transplant Registry
- Improved retrospective transplant recipient identification

# Caveat re Prevalent Transplant Numbers

- We exercise caution every year regarding how exact this figure can be
- These patients are more mobile; may attend at more than one site for follow-up
- We continuously revise the figures from previous years, based on updated data
- We believe that we are more exact with each successive year
  
- The KDCPMS should make this much more precise in future

# Renal Replacement Therapies (RRT)

- Transplant (TX)
- Haemodialysis (HD)
  - Centre HD (cHD)
  - Satellite HD (sHD)
  - Contracted Satellite HD (sHDc)
  - Other HD (oHD)
  - Northern Ireland HD (NI)
- Home Dialysis (PD/HHD)

# CSO population estimates

• April 2005	4,133,800
Census 2006	4,232,900
• April 2007	4,375,800
• April 2008	4,485,100
• April 2009	4,533,400
• April 2010	4,554,900
Census 2011	4,574,900
• April 2012	4,585,400
• April 2013	4,593,100

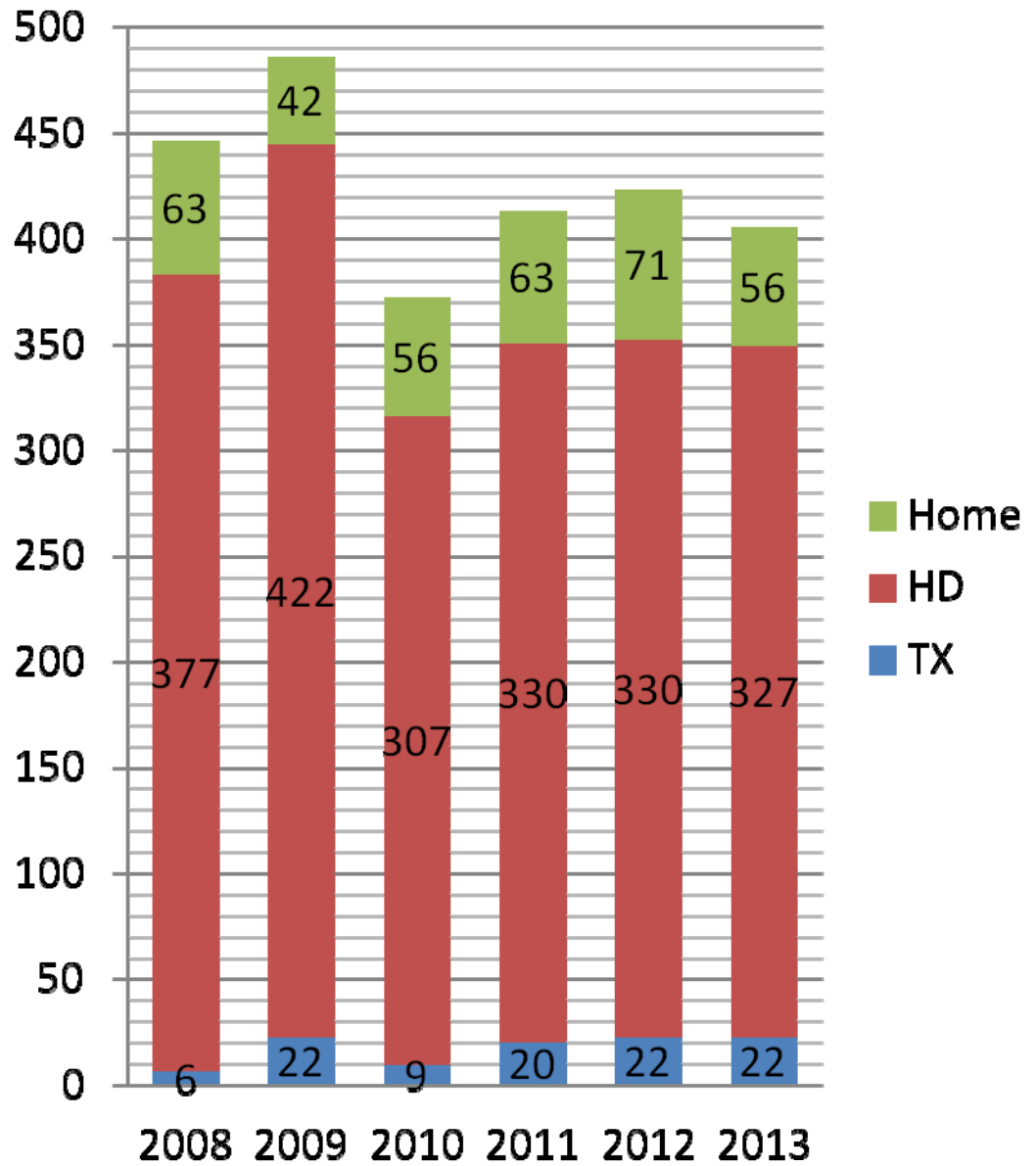
**2013 INCIDENT ESKD PATIENTS  
ATTENDING ADULT UNITS**

# Incident adult ESKD patients (n)

405 patients

81% HD  
14% PD  
5% TX

88 p.m.p.



**2013 PREVALENT ESKD PATIENTS  
ATTENDING ADULT UNITS**



# Prevalent ESKD patients (n)

3960 patients

39.3% HD

6.2%

PD/HHD 54.5%

TX

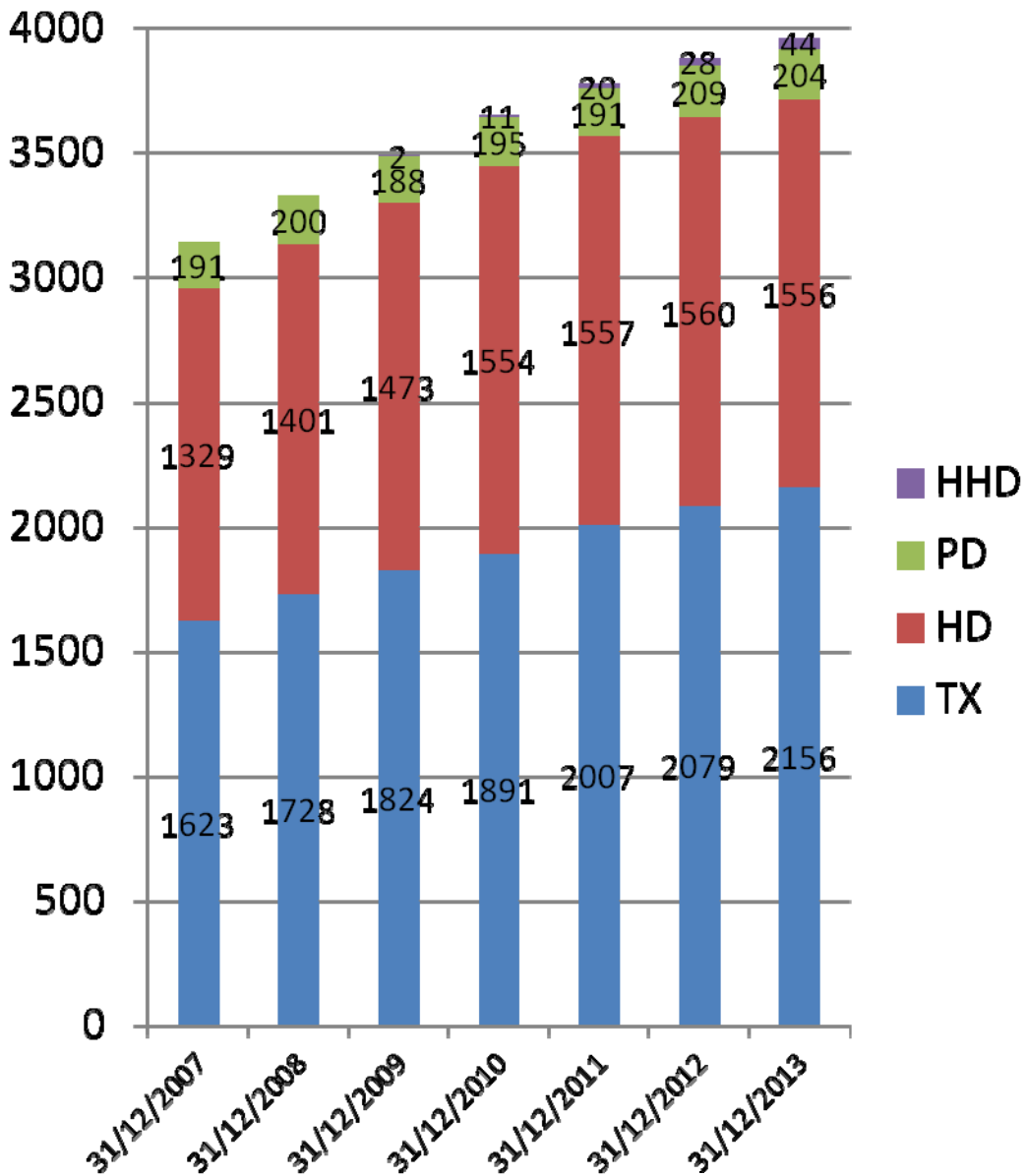
862 p.m.p.

339

HD

54 PD/HHD 469

TX



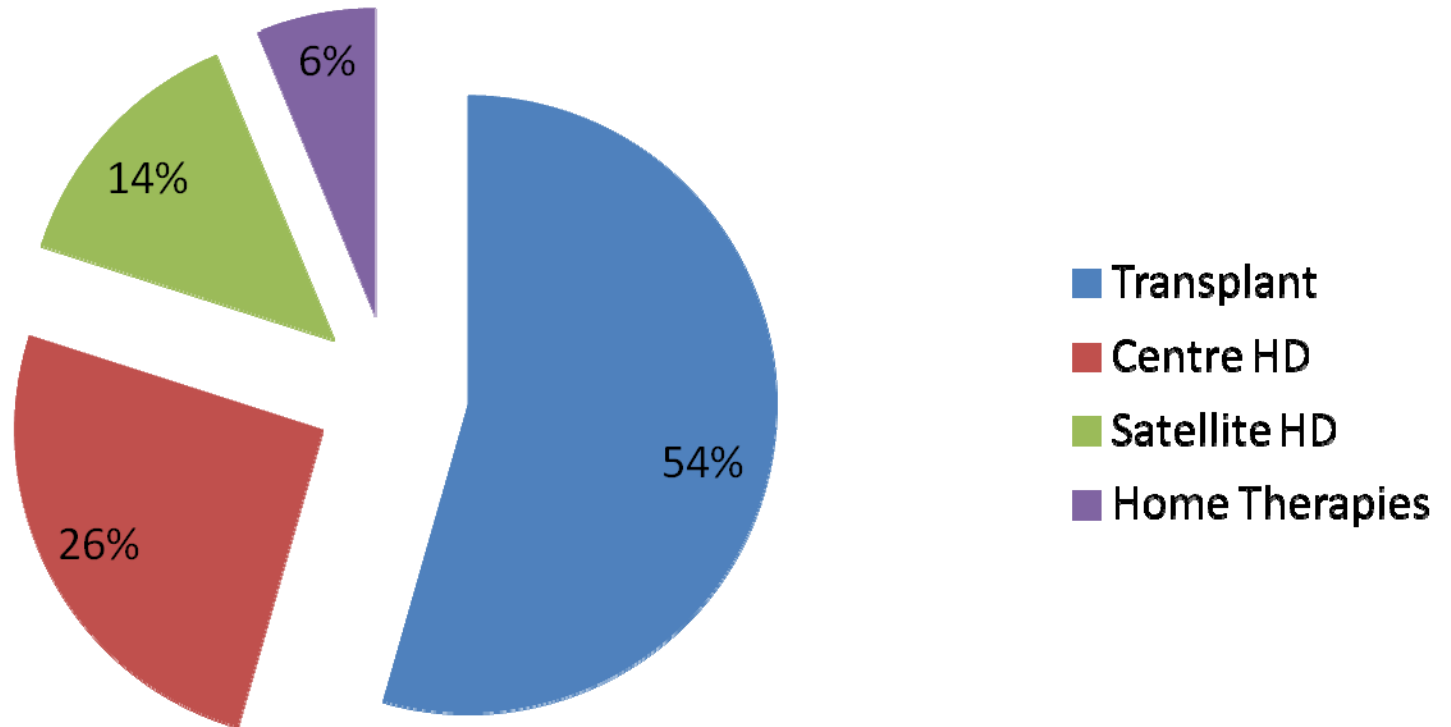
# Change in 2013

• ESKD	+84	2.2%	18.3 pmp
• HD	-4	-0.2%	
• PD/HHD	+11	4.6%	
• Dialysis	+7	0.4%	1.5 pmp
• TX	+77	3.7%	16.8 pmp

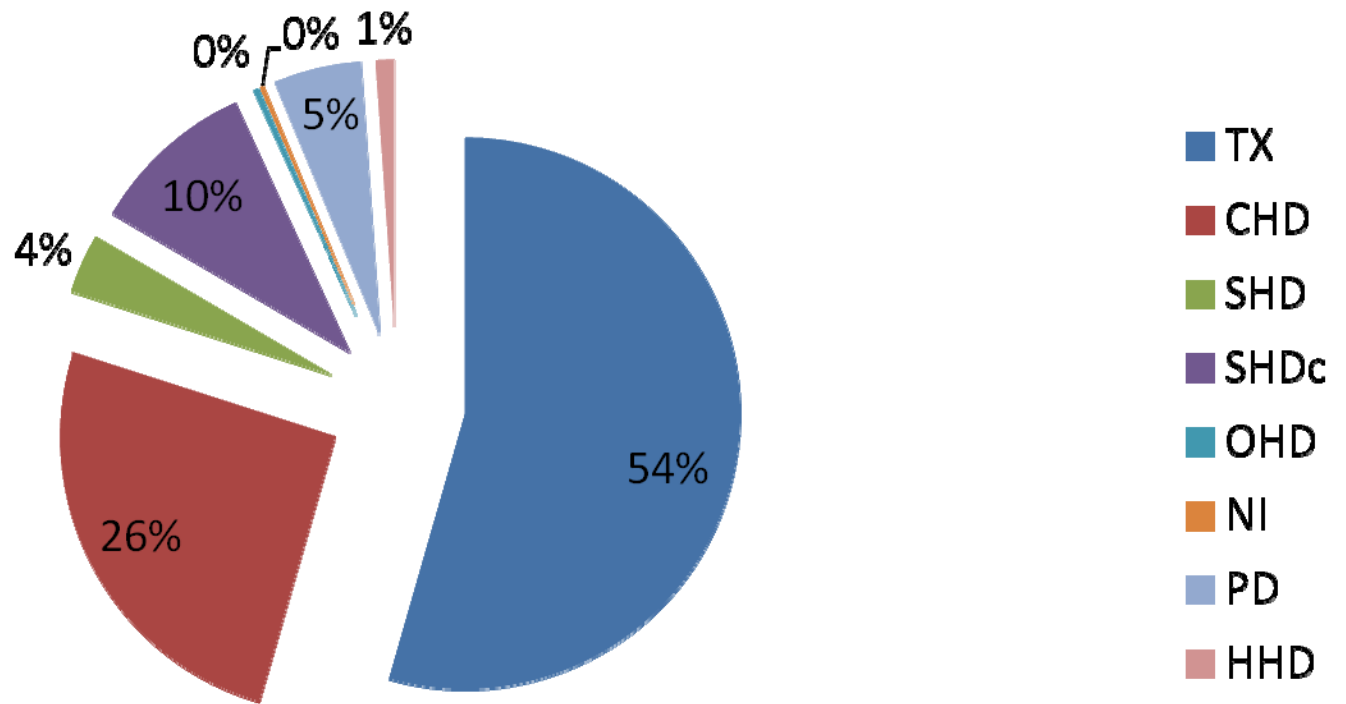
# Change 2007-13

			<u>Annualised</u>
• ESKD +136	+817	26%	
• HD +38	+227	17%	
• PD/HHD	+57	30%	+9
• Dialysis	+284	19%	+47
• TX	+533	32%	+89

# Modalities



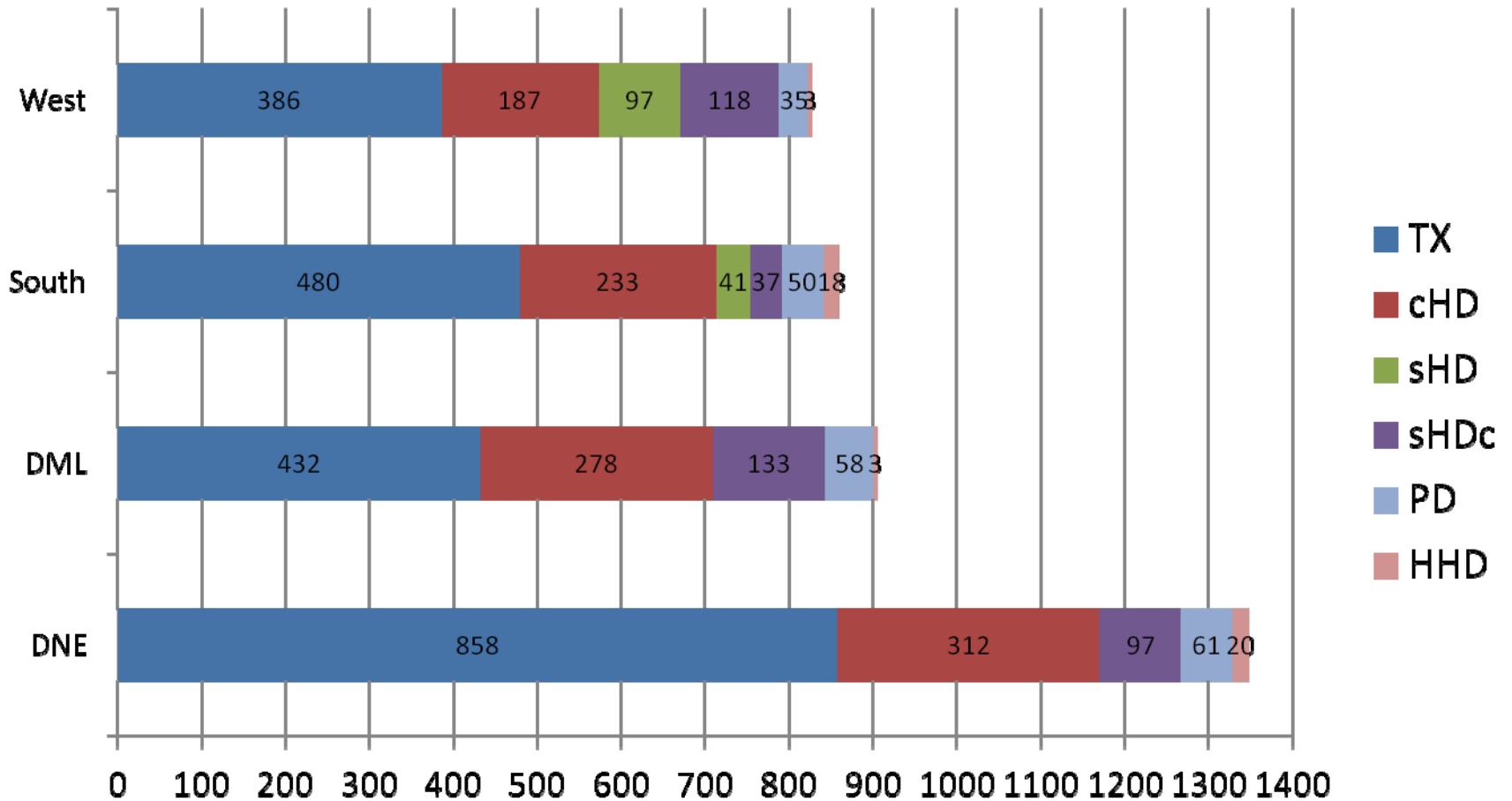
# Detailed Modalities



**REGIONAL ANALYSIS  
ESKD PATIENTS ATTENDING  
ADULT UNITS**

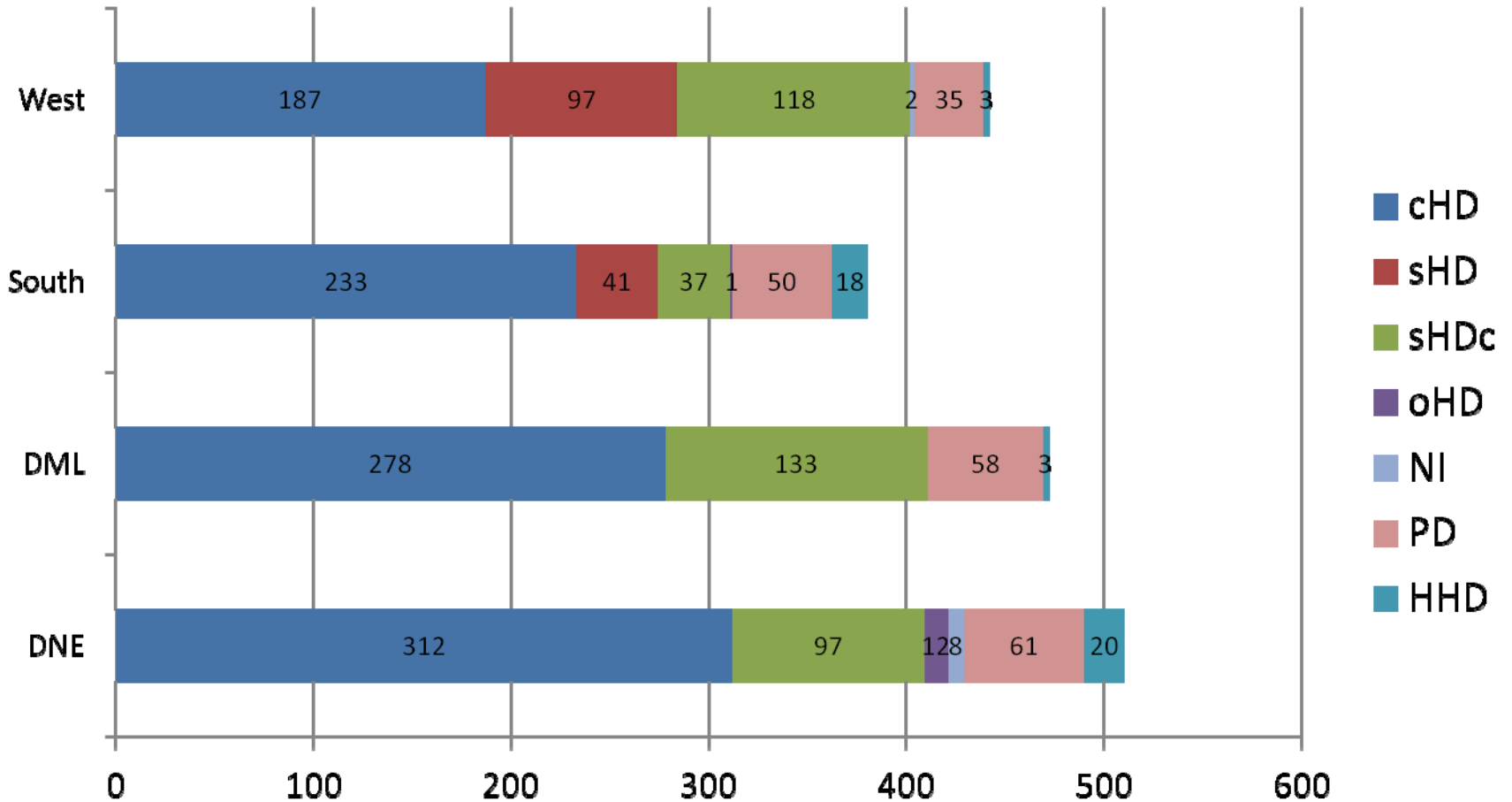
# ESKD Patients 31/12/13

(total patients under governance of Units in 4 HSE Areas)



# Dialysis Patients 31/12/13

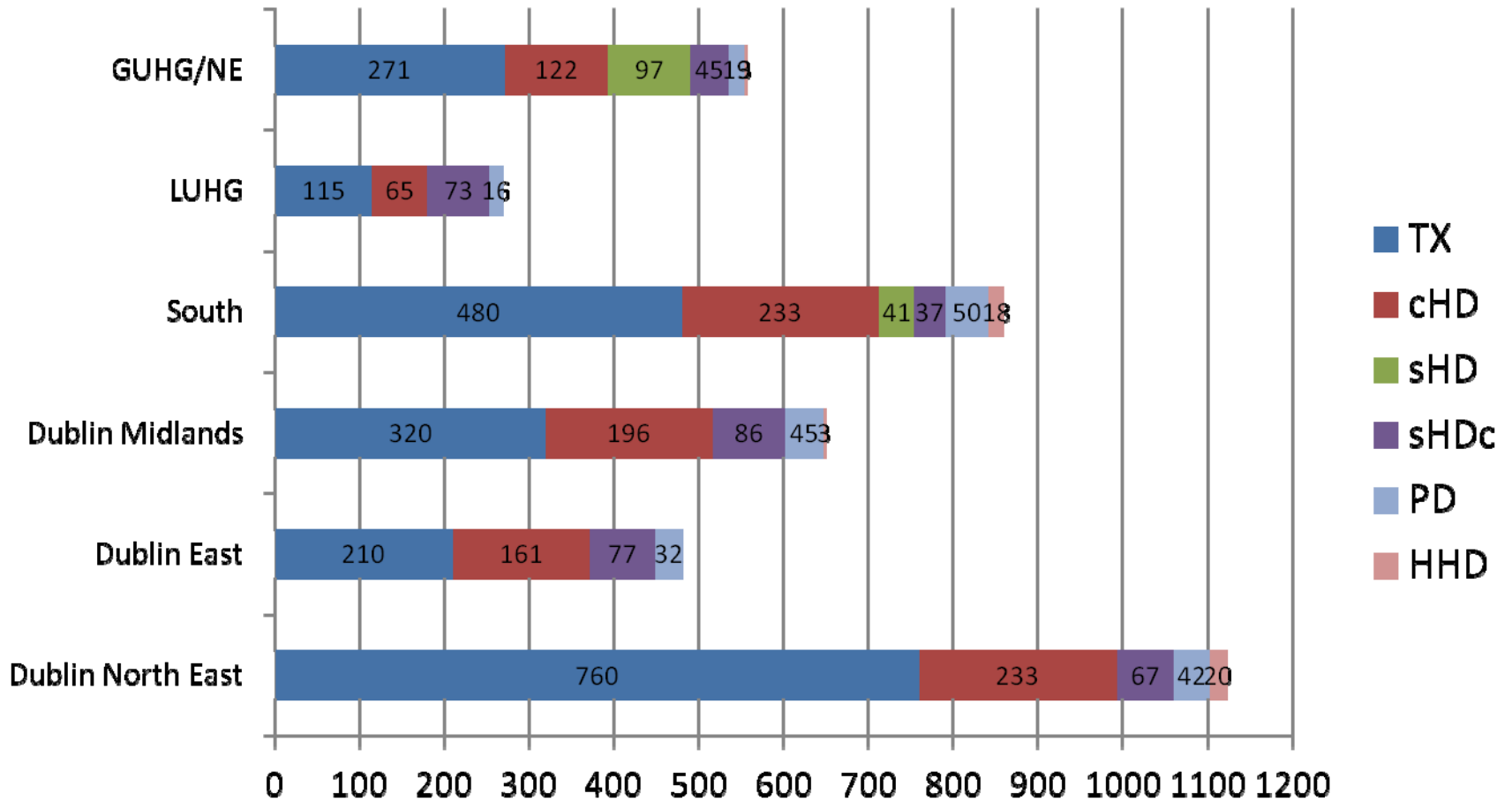
(total patients under governance of Units in 4 HSE Areas)





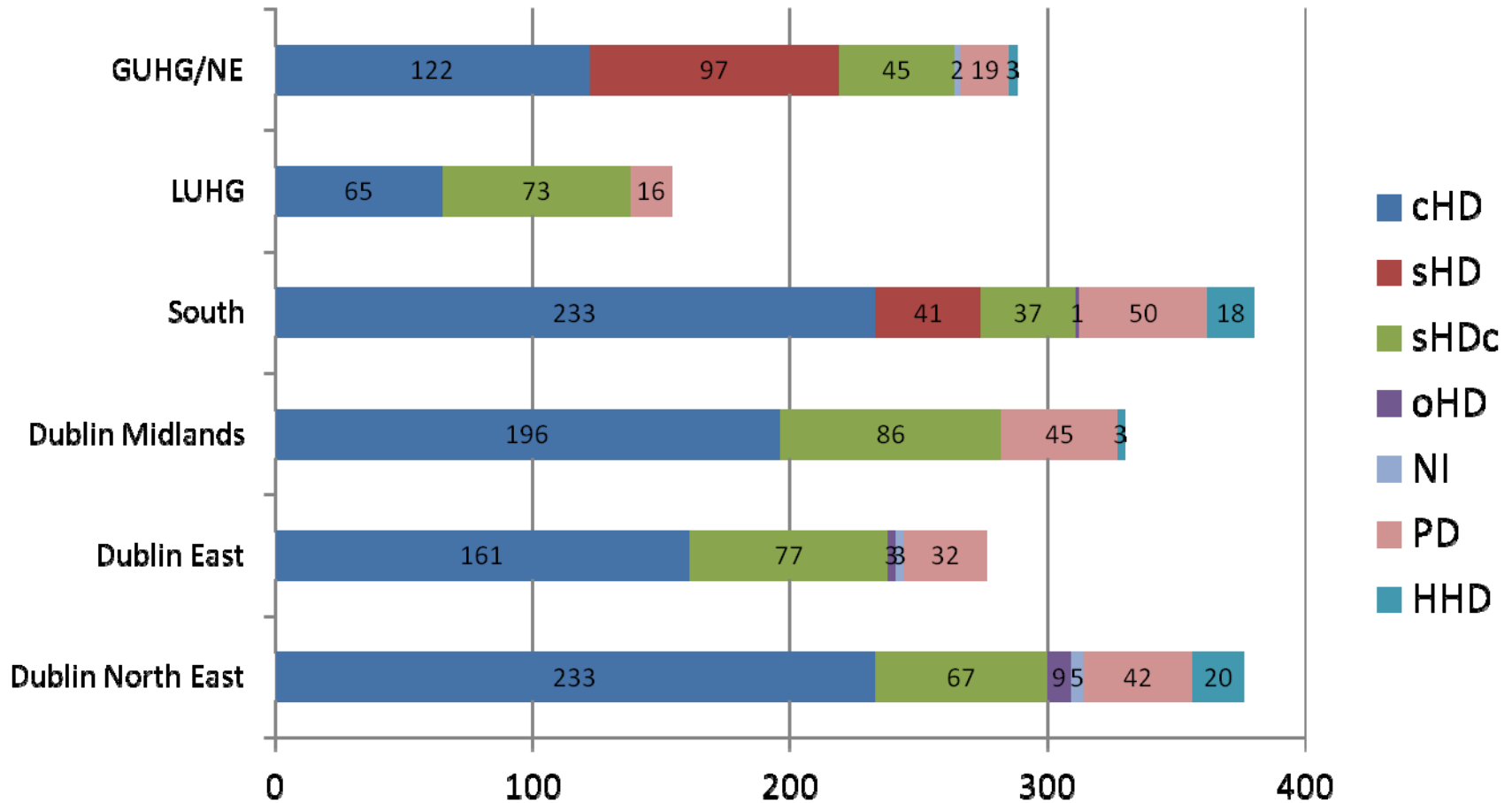
# ESKD Patients 31/12/13

(total patients under governance of 6 Hospital Groups)



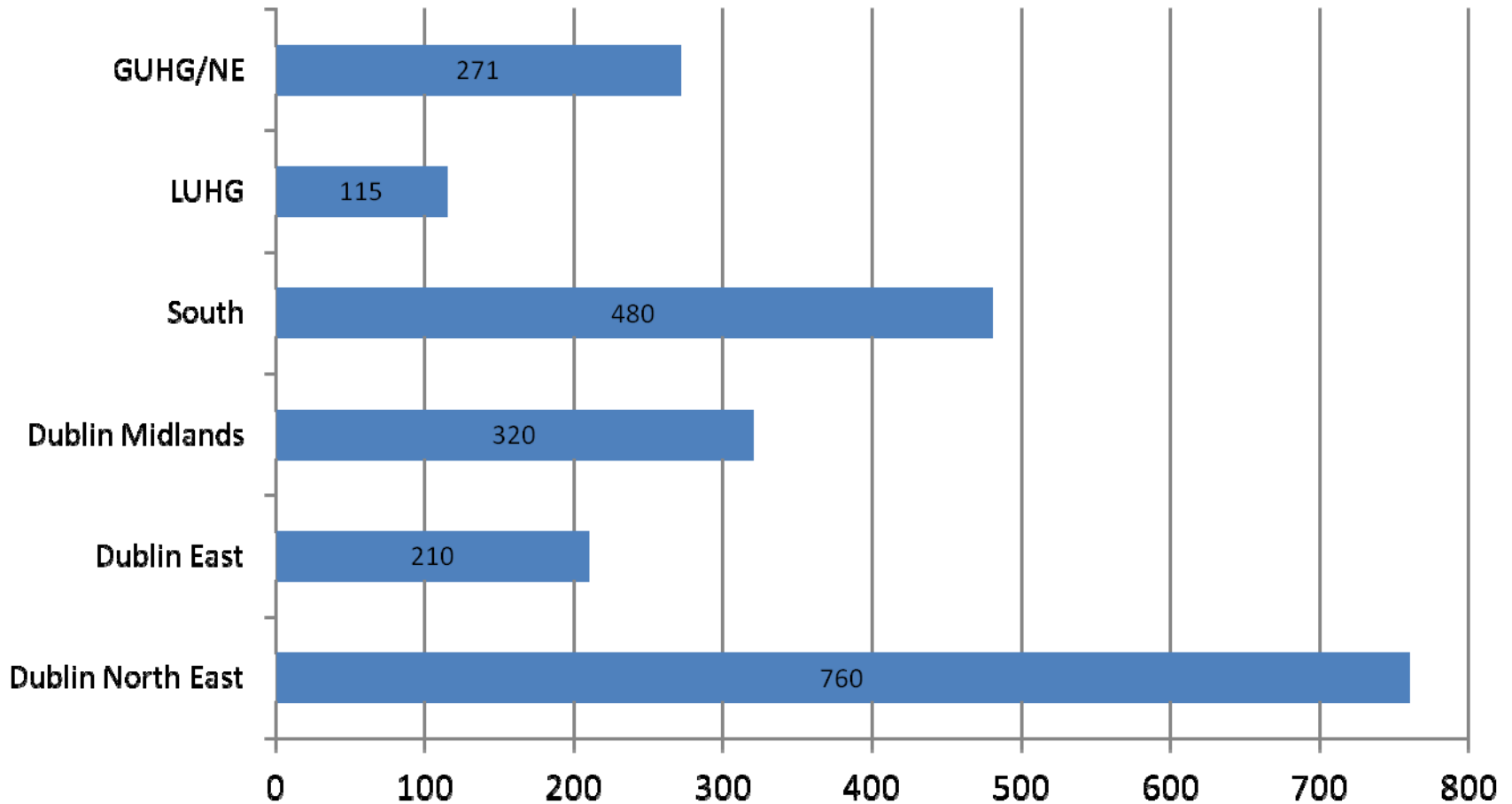
# Dialysis Patients 31/12/13

(total patients under governance of 6 Hospital Groups)



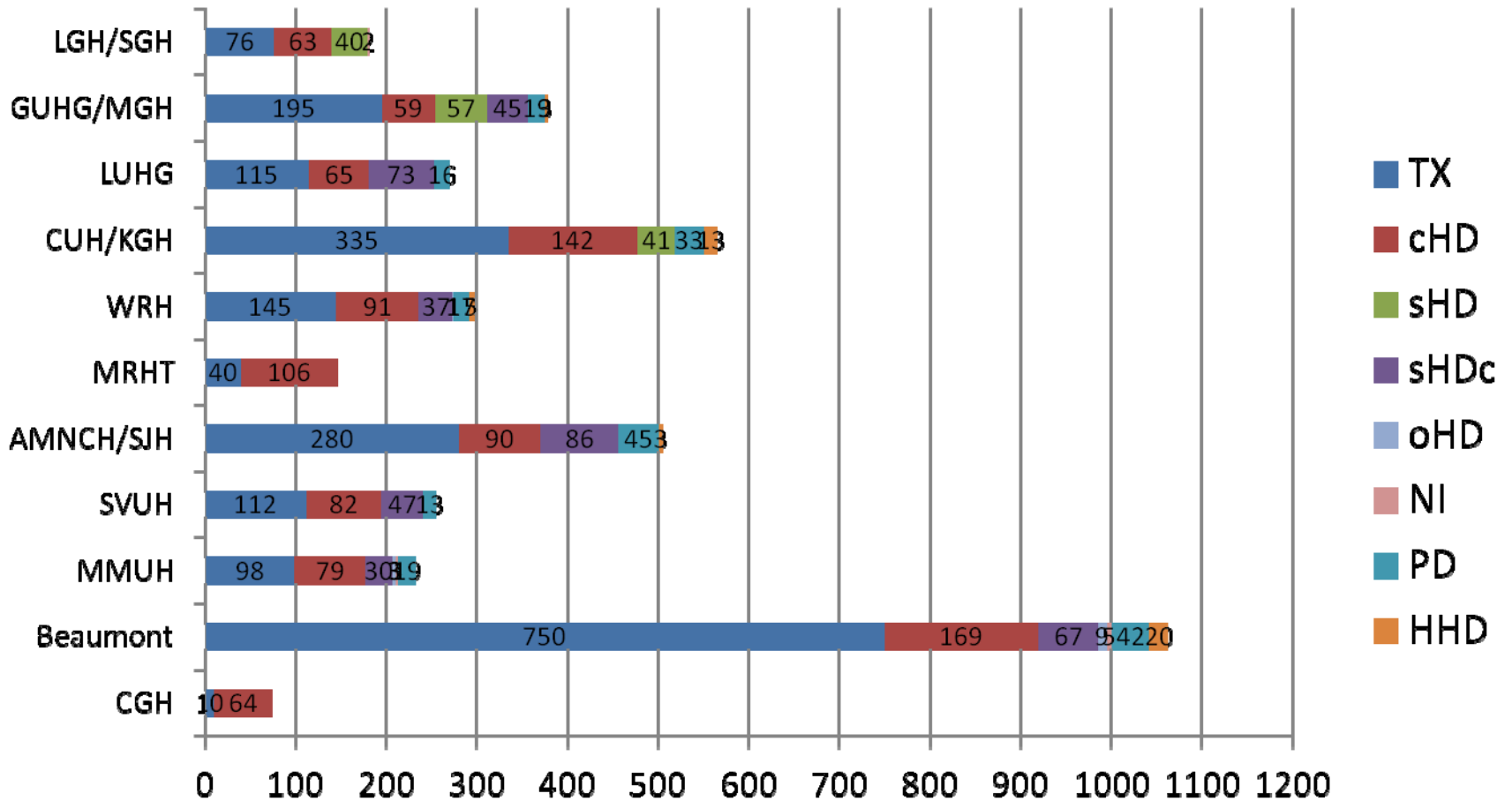
# Transplant Patients 31/12/13

(total patients under governance of 6 Hospital Groups)



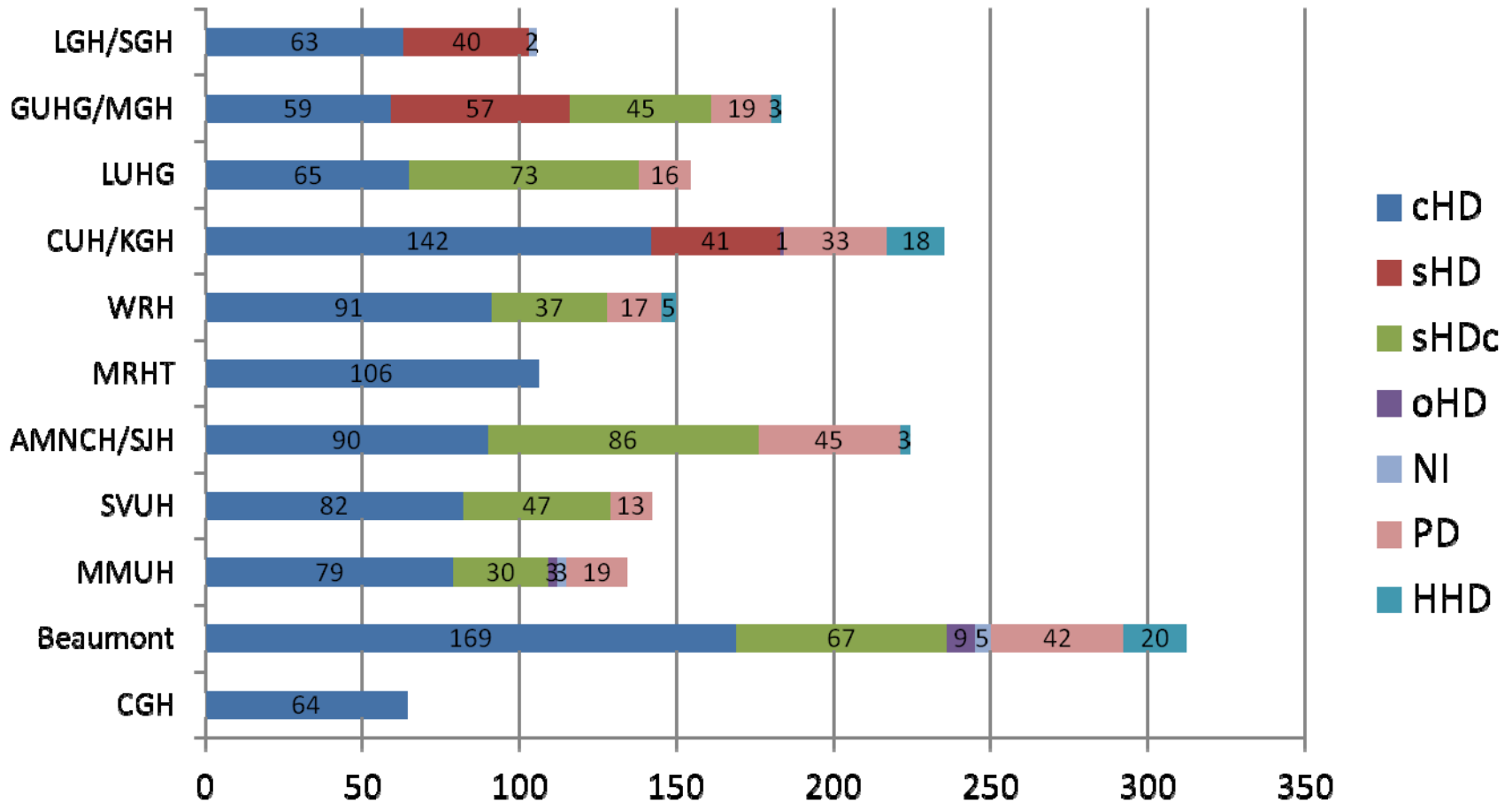
# ESKD Patients 31/12/13

(total patients under governance of 11 Parent Units)



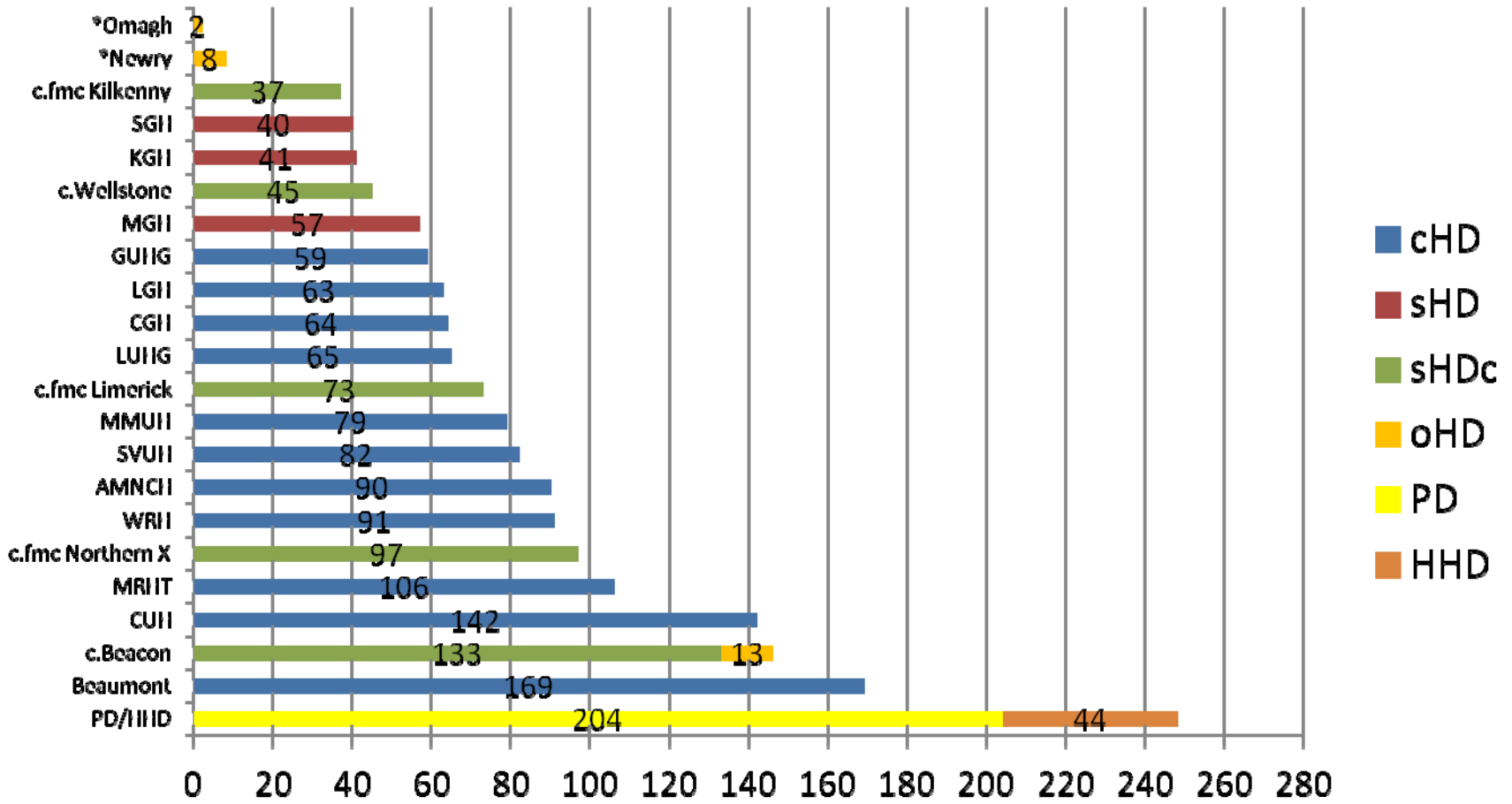
# Dialysis Patients 31/12/13

(total patients under governance of 11 Parent Units)



# HD Patients 31/12/13

(HD patients per facility/PD and HHD also illustrated)



**ESKD PATIENTS ATTENDING  
PAEDIATRIC UNITS**

# Prevalent Paediatric ESKD patients (n)

87 patients

11%

HD

20% PD

69% TX

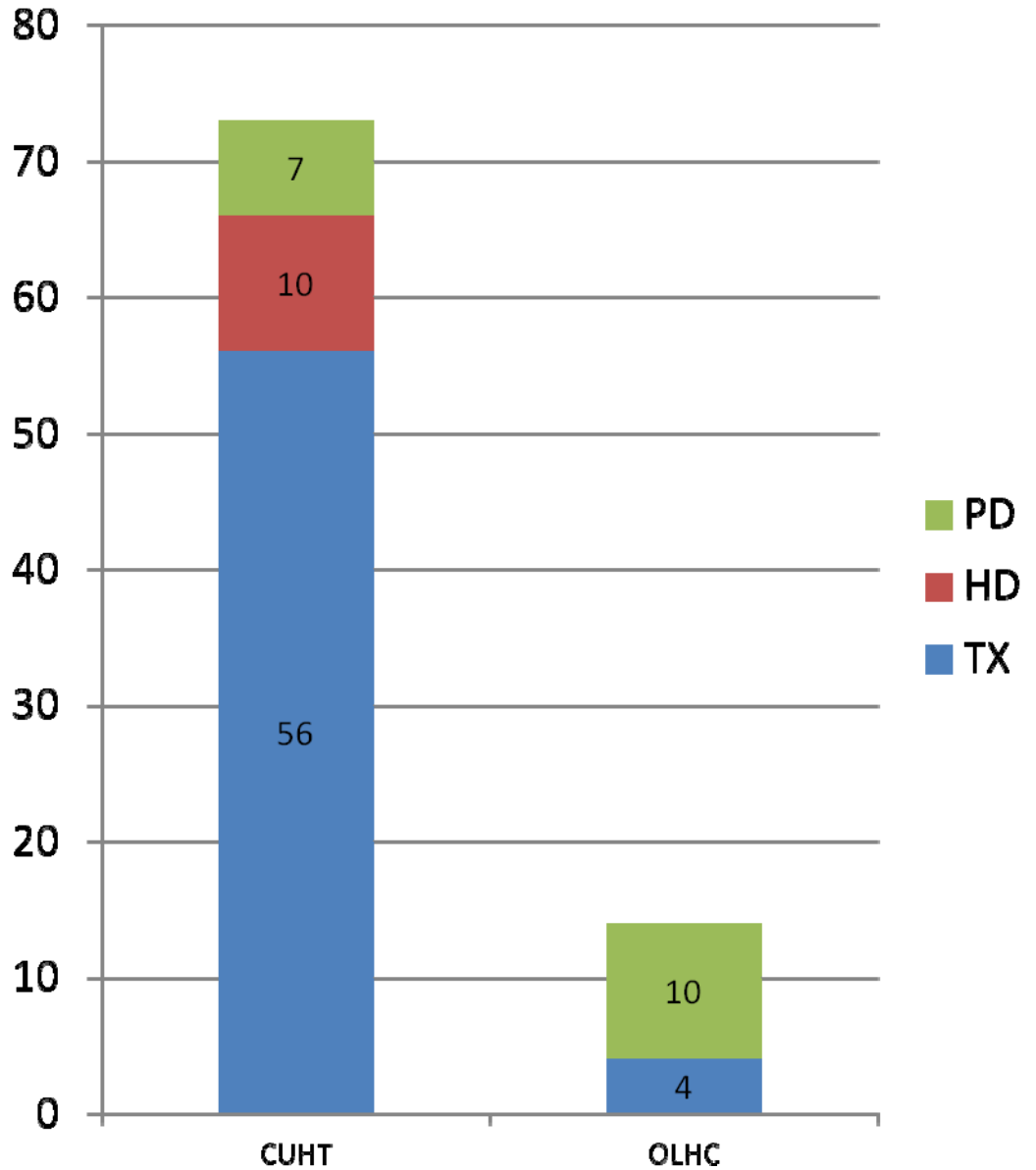
19 p.m.p.

2

HD

4 PD

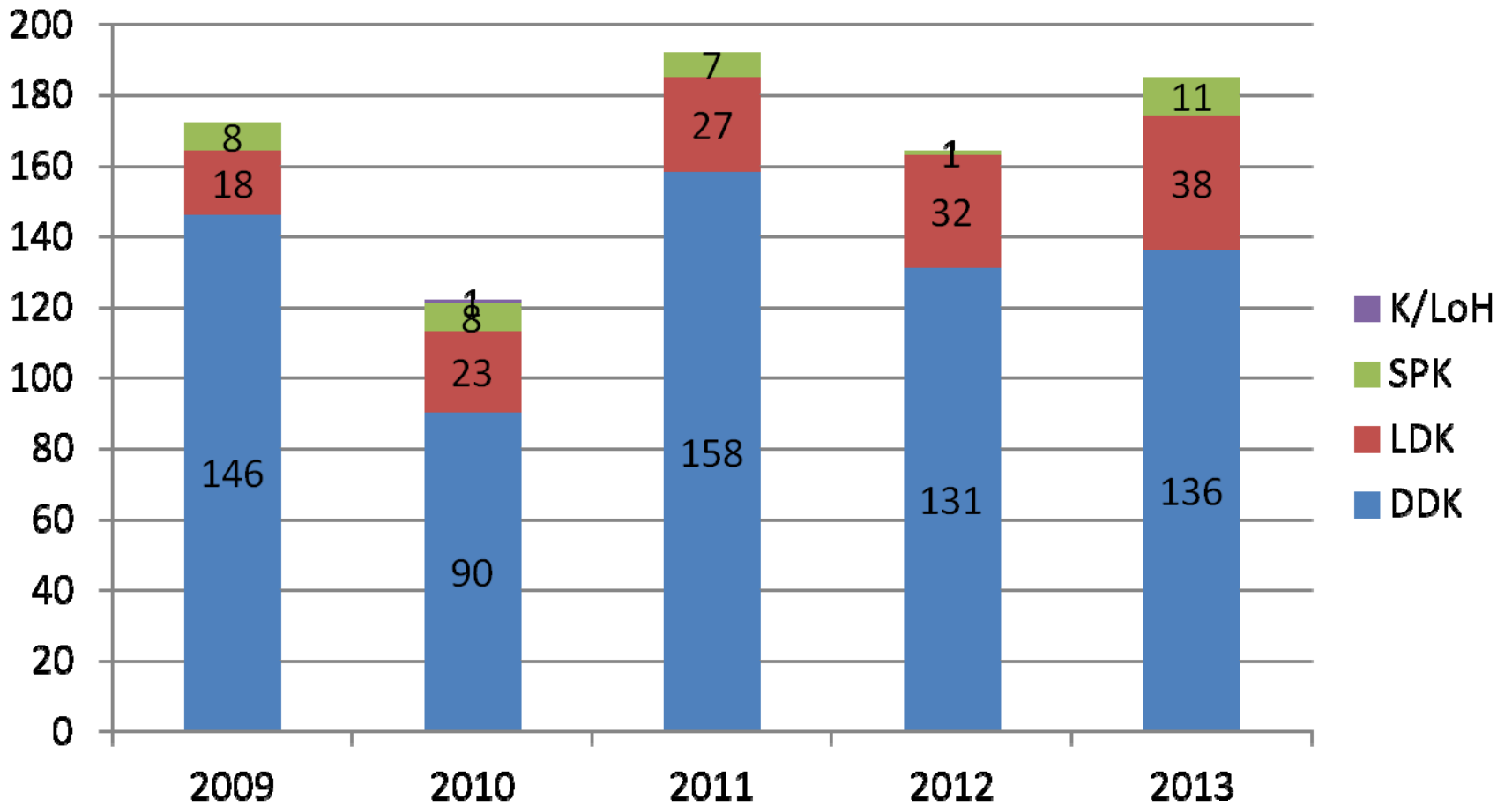
13 TX



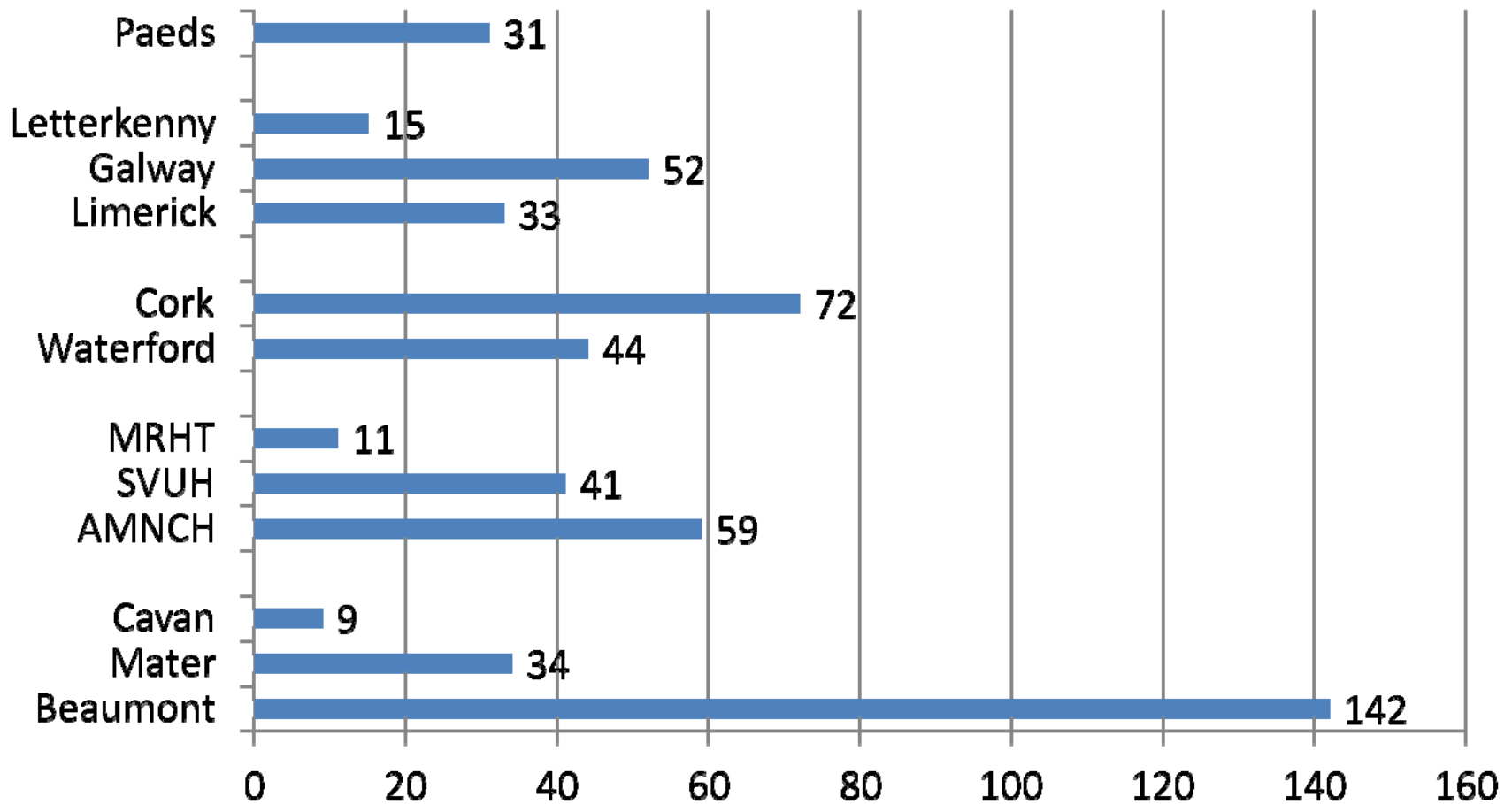


# **TRANSPLANT ACTIVITY**

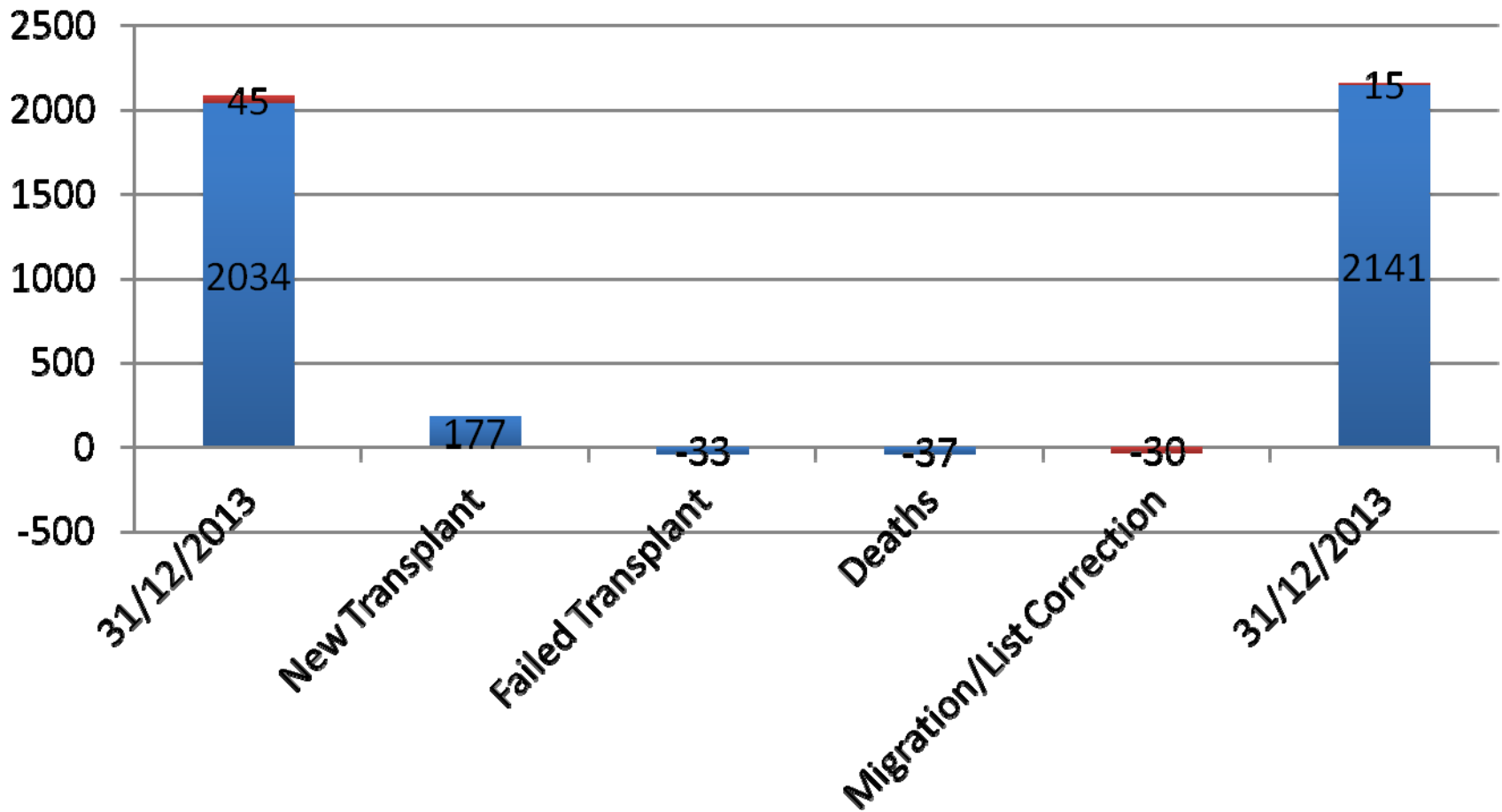
# Transplants 2009-13



# Transplants 2011-13 from individual Parent Units



# Changes in Adult Transplant Prevalence (+107/+77)



# Changes in Paediatric Transplant Prevalence (+8/+10)

