



Feidhmeannacht na Seirbhíse Sláinte  
Health Service Executive



RENAL

# Epidemiology of ESKD in Adults in Ireland

## Data from 2011 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

# 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 4,239,848
- April 2007 4,339,000
- April 2008 4,422,100
- April 2009 4,459,300
- April 2010 4,470,700
- Census 2011 4,581,269

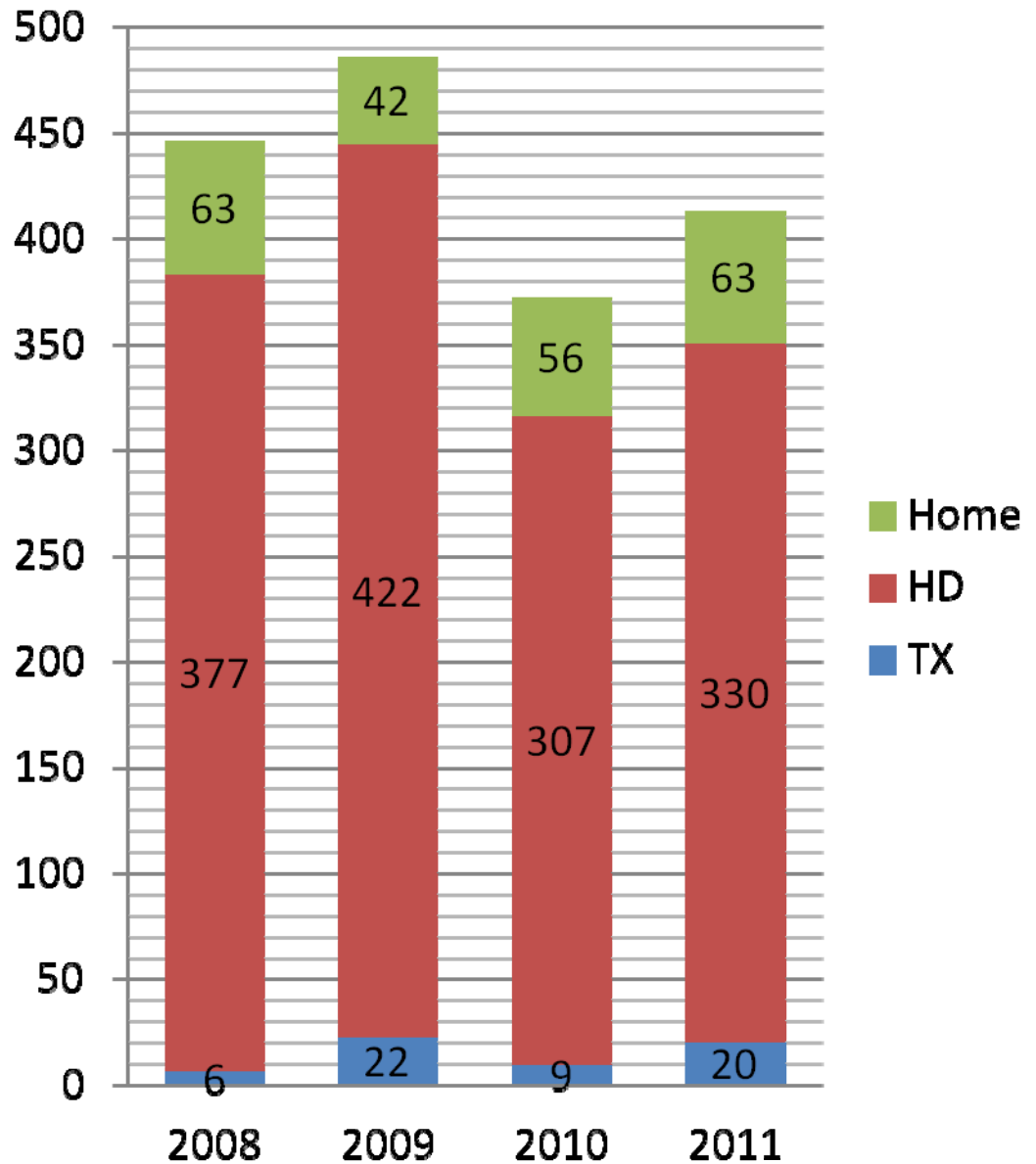
# **2011 INCIDENT ADULT ESKD PATIENTS**

# Incident adult ESKD patients (n)

413 patients

80% HD  
15% PD  
5% TX

90 p.m.p.  
(95%CI: 84,107 p.m.p.)



# **2011 PREVALENT ADULT ESKD PATIENTS**



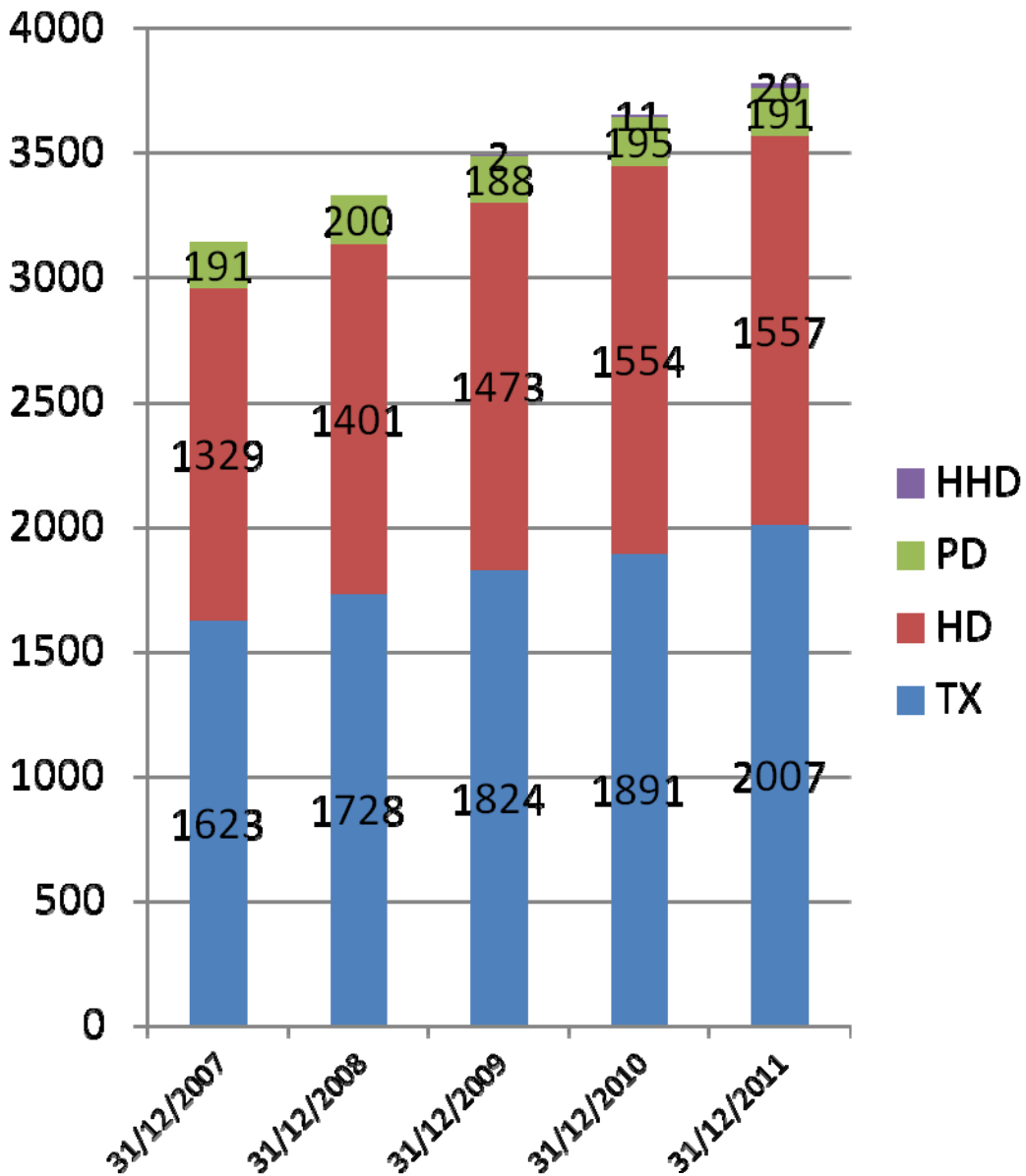
# Prevalent ESKD patients (n)

3775 patients

41% HD  
6% PD/HHD  
53% TX

824 p.m.p.

340 HD  
46 PD/HHD  
438 TX



# Change in 2011

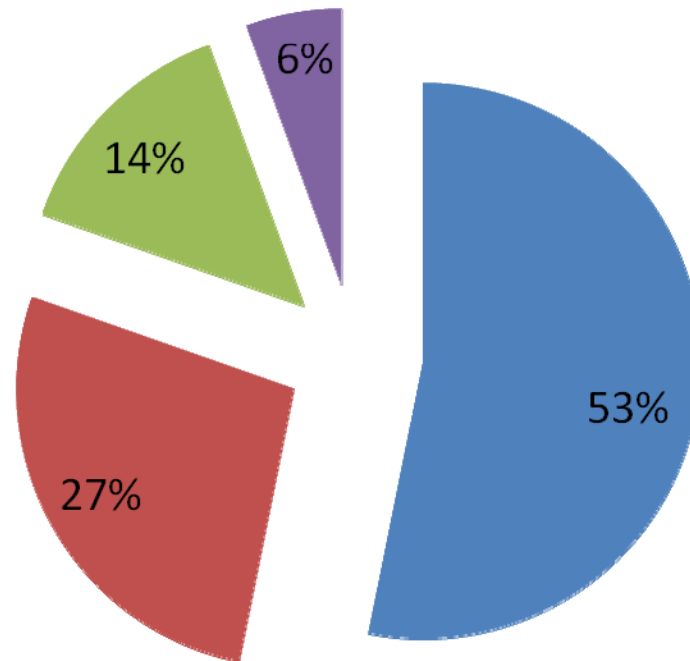
• ESKD	+124	3.4%	27 pmp
• HD	+3	0.2%	
• PD/HHD	+5	2.4%	
• Dialysis	+8	0.5%	2 pmp
• TX	+116	6.0%	25 pmp

# Change 2007-11

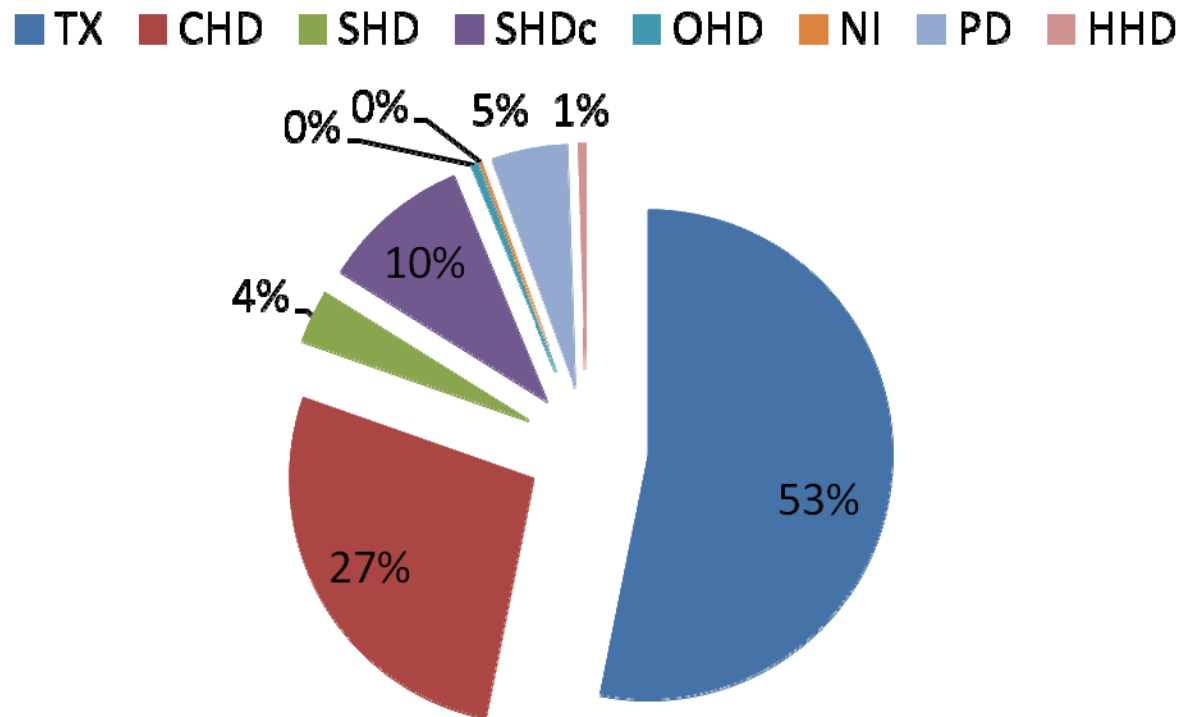
			<u>Mean (95%CI)</u>
• ESKD	+632	20%	35 (29,41)pmp pa
• HD	+228	17%	13 (5,20)pmp pa
• PD/HHD	+20	10%	1 (-1,4) pmp pa
• Dialysis	+248	15%	14 (6,22) pmp pa
• TX	+384	24%	21 (17,26) pmp pa

# Modalities

■ Transplant   ■ Centre HD   ■ Satellite HD   ■ Home Therapies



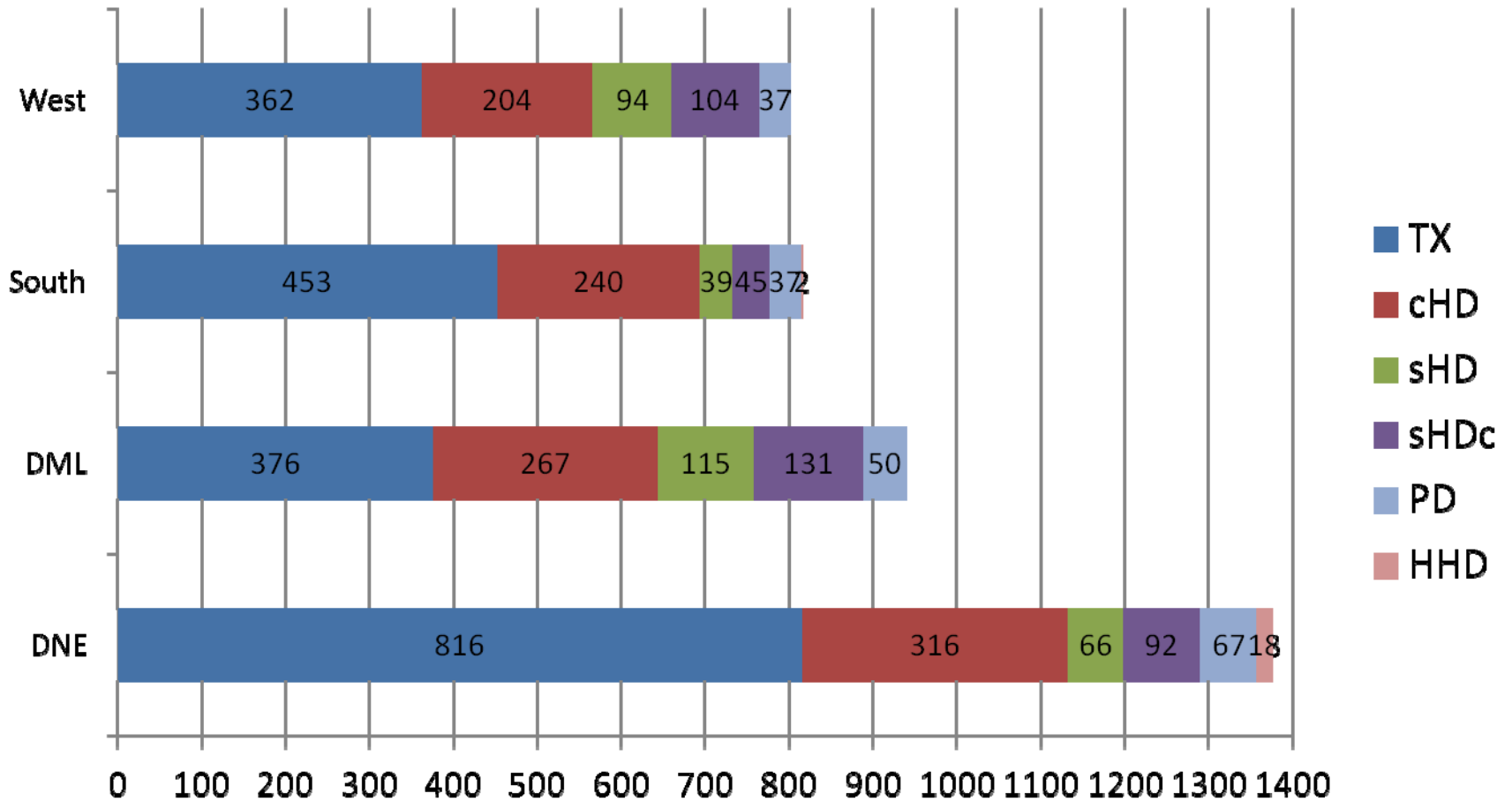
# Detailed Modalities



**REGIONAL ANALYSIS  
ESKD PATIENTS**

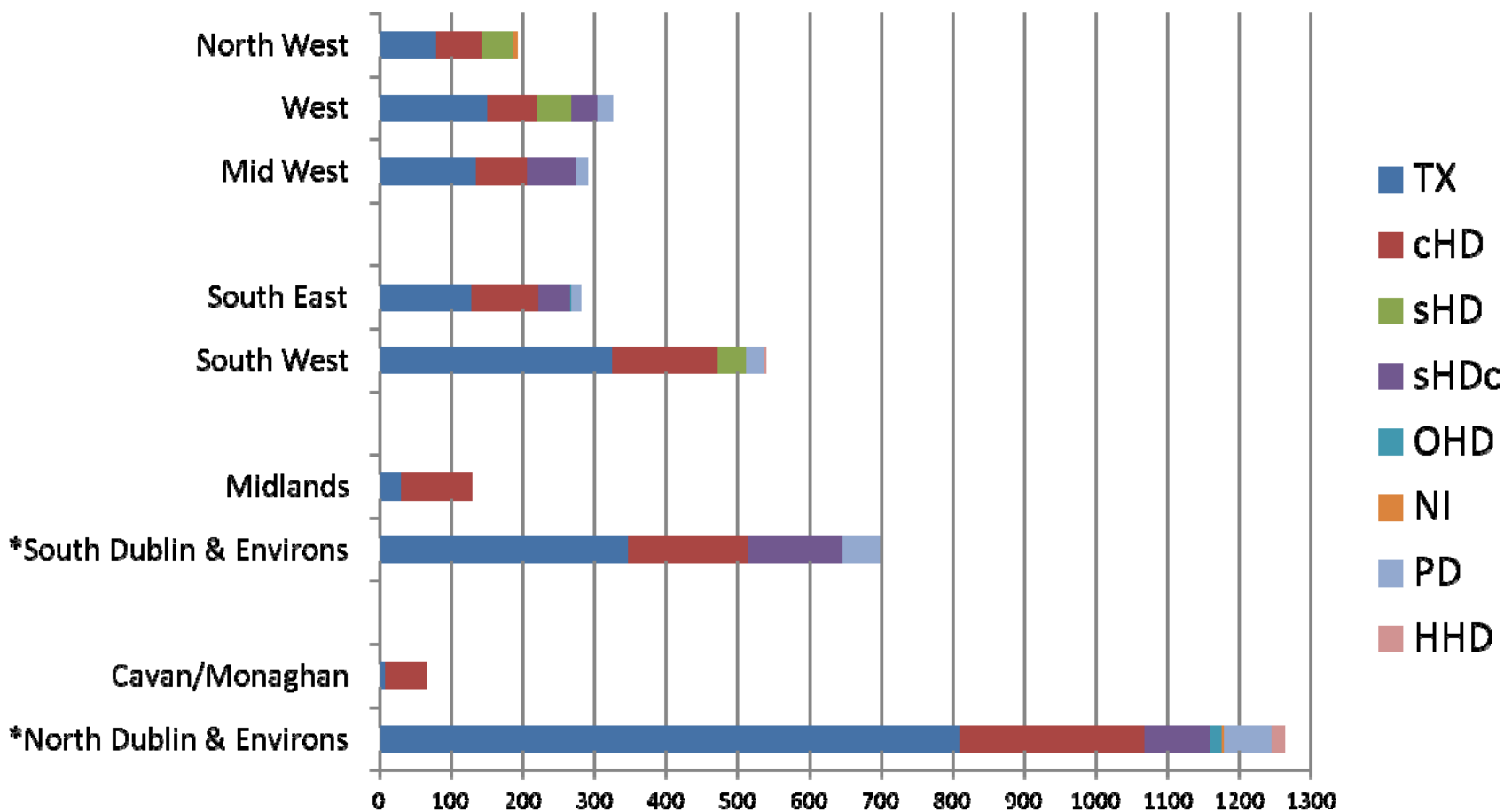
# ESKD Patients 31/12/11

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



# ESKD Patients 31/12/11

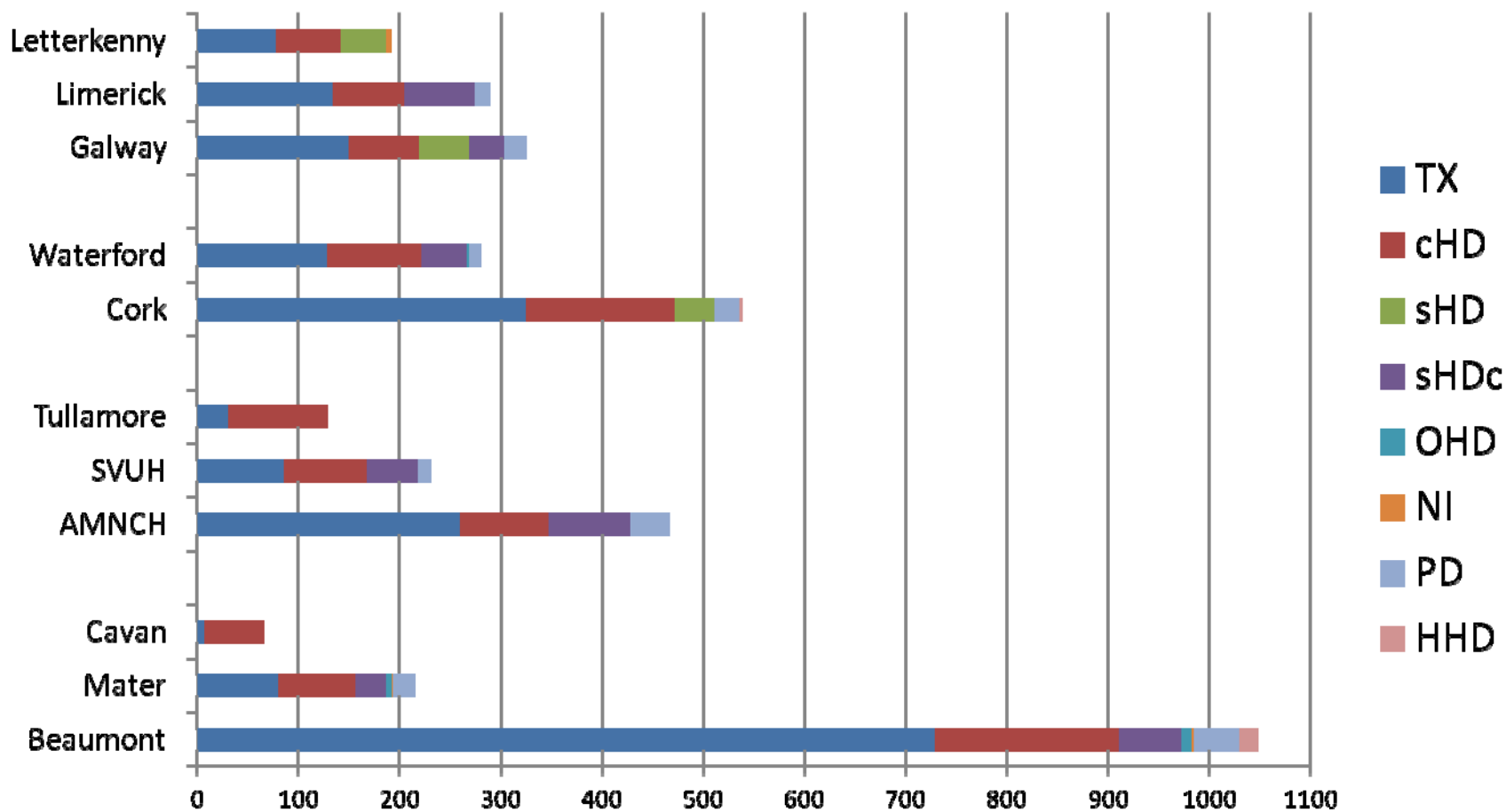
(total patients under governance of 9 RRT Networks)





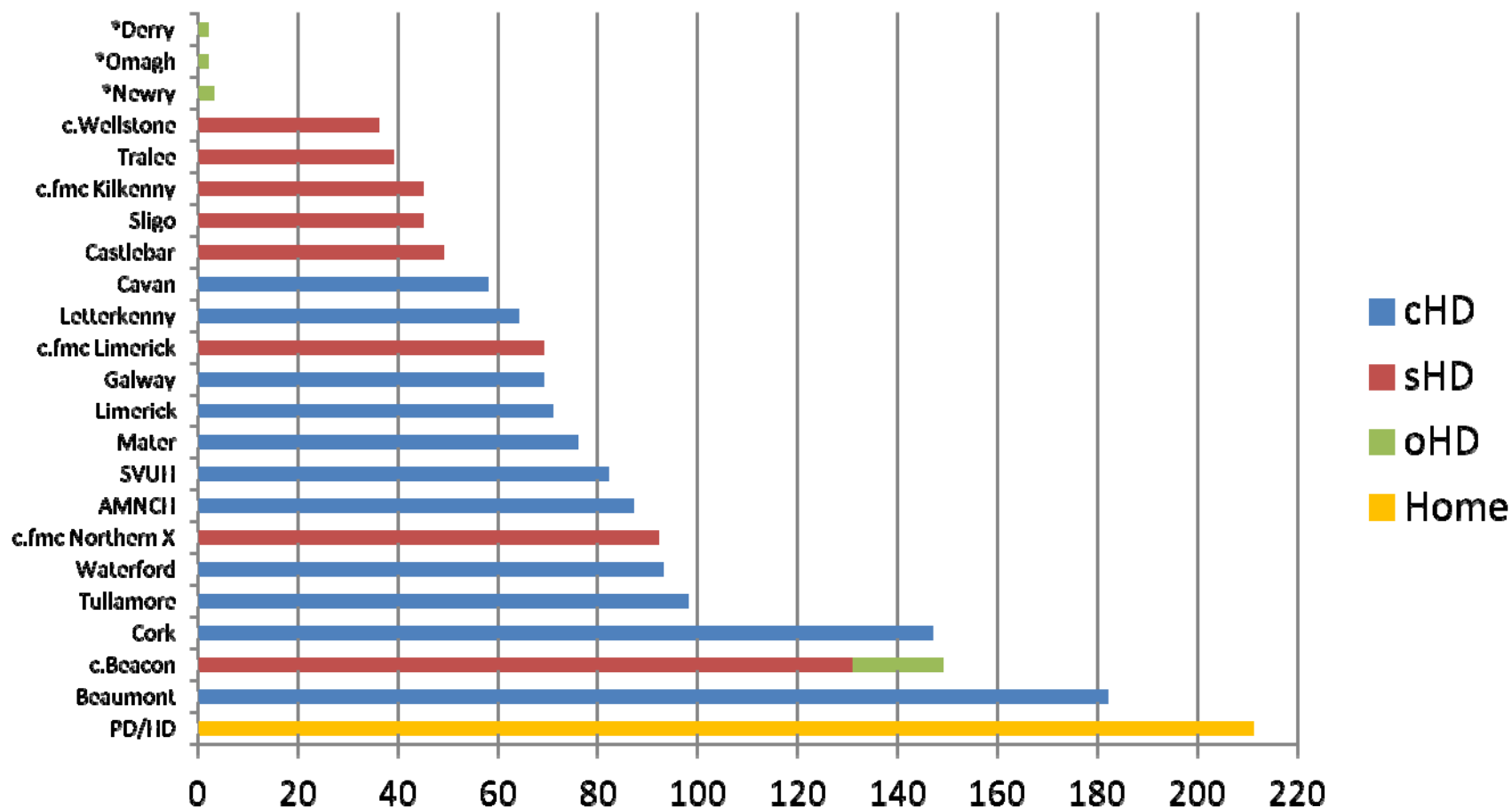
# ESKD Patients 31/12/11

(total patients under governance of 11 Parent Renal Units)



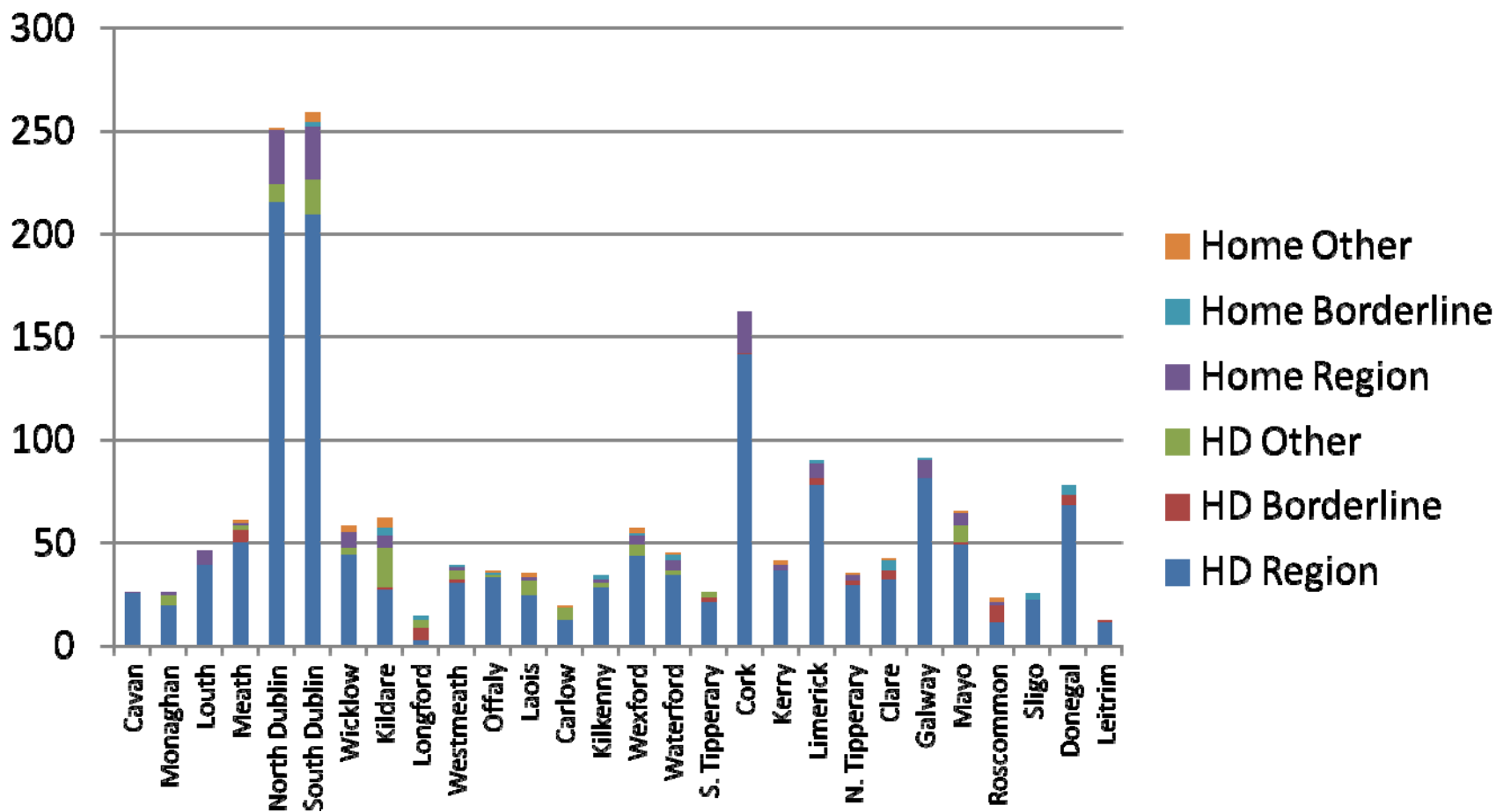
# HD Patients 31/12/11

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

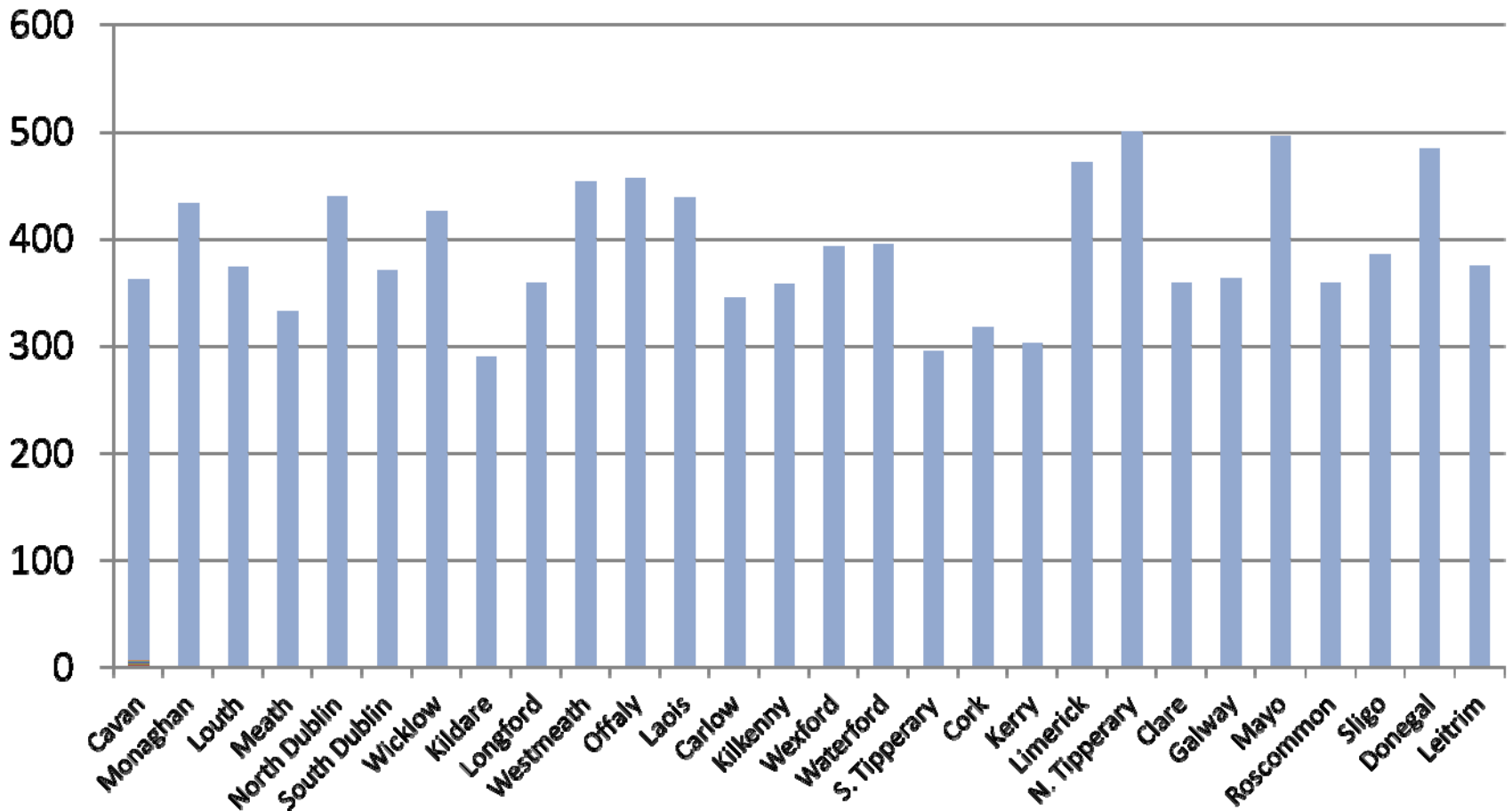


# Dialysis Patients by County of Residence

## 31/12/11

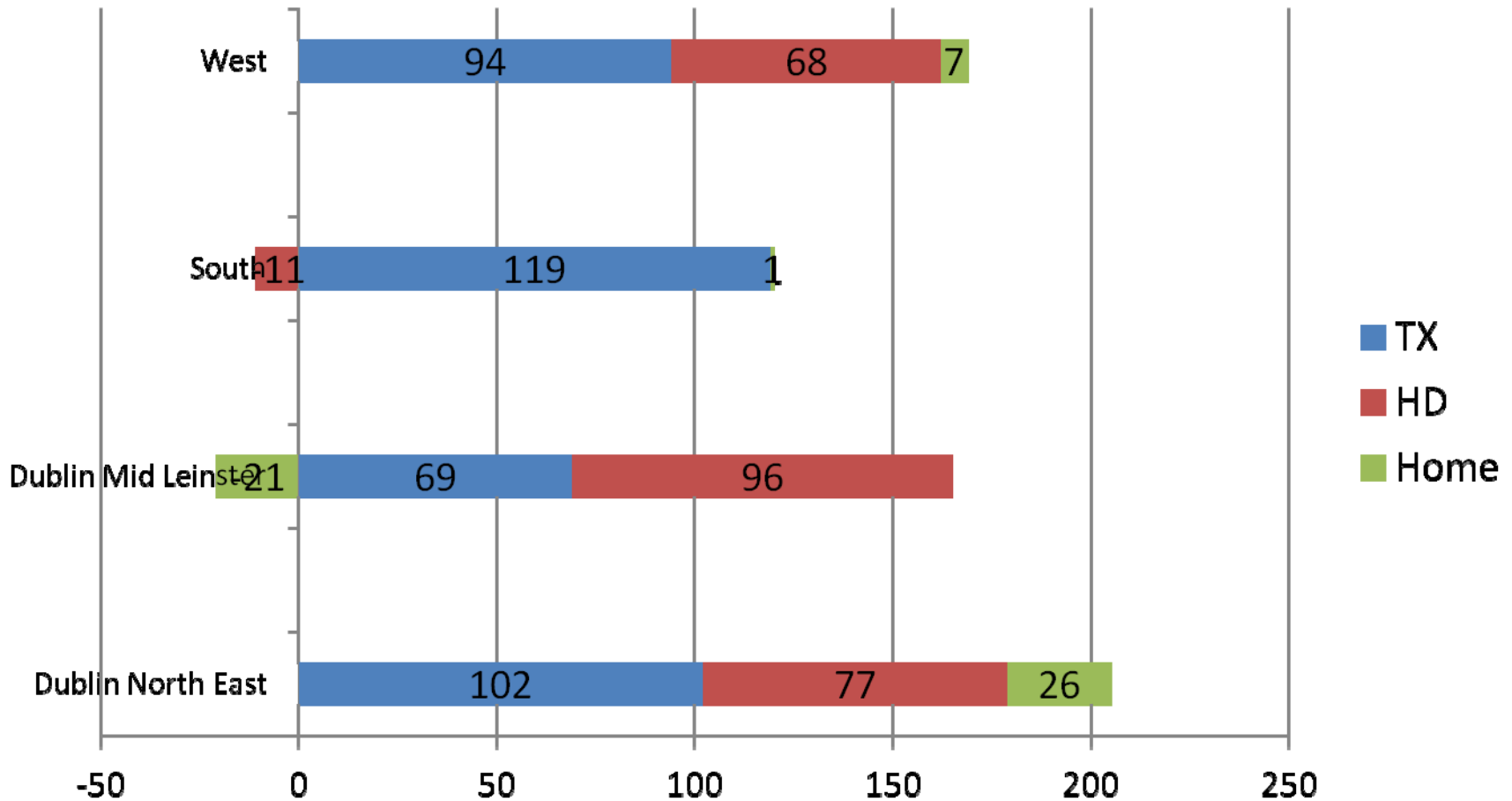


# Dialysis Patients (pmp) by County of Residence 31/12/11



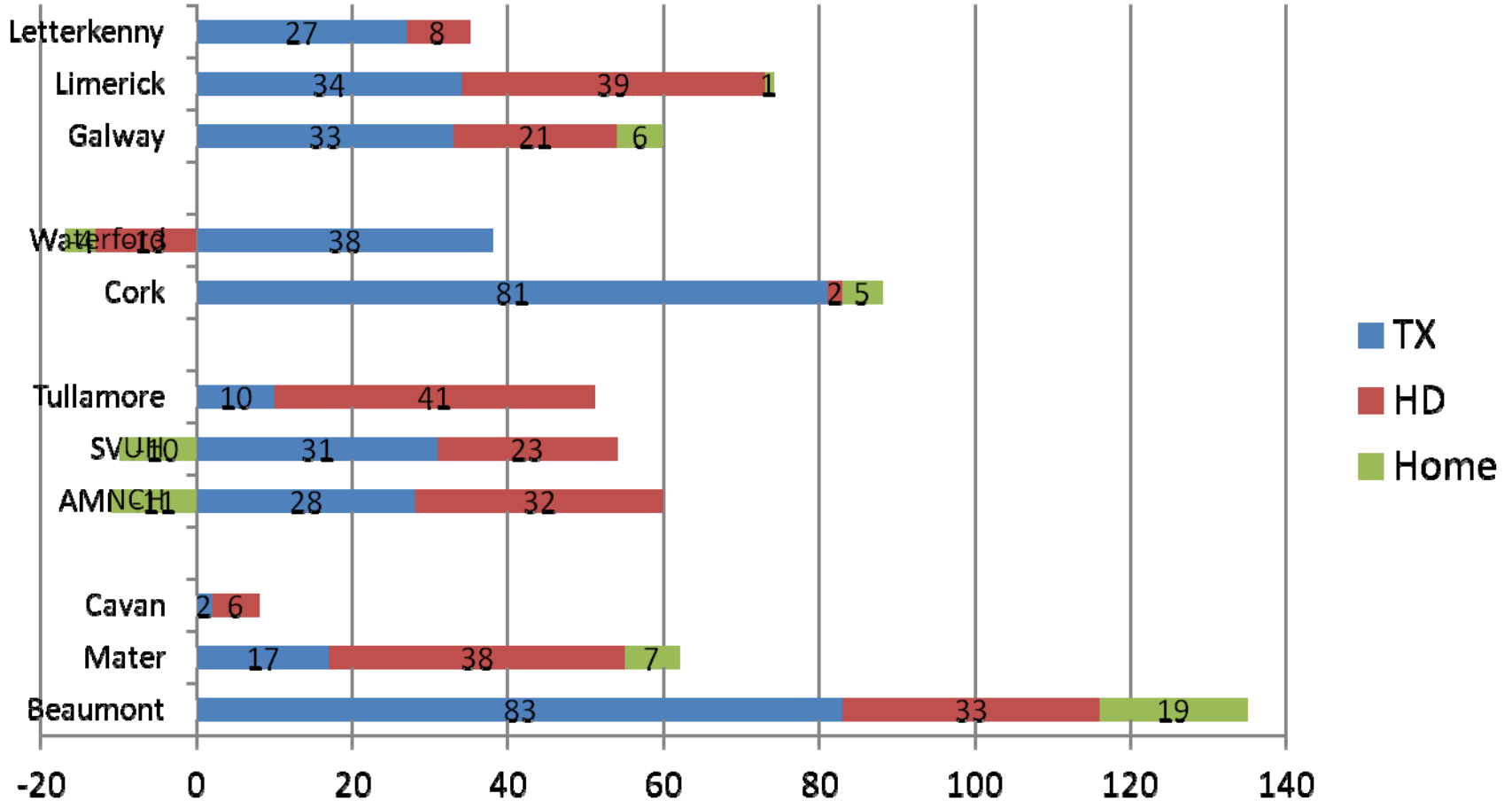
**REGIONAL CHANGES  
ESKD PATIENTS**

# Changes in ESKD Patients 2007-11 (total patients under governance of 4 HSE Areas)



# Changes in ESKD Patients 2007-11

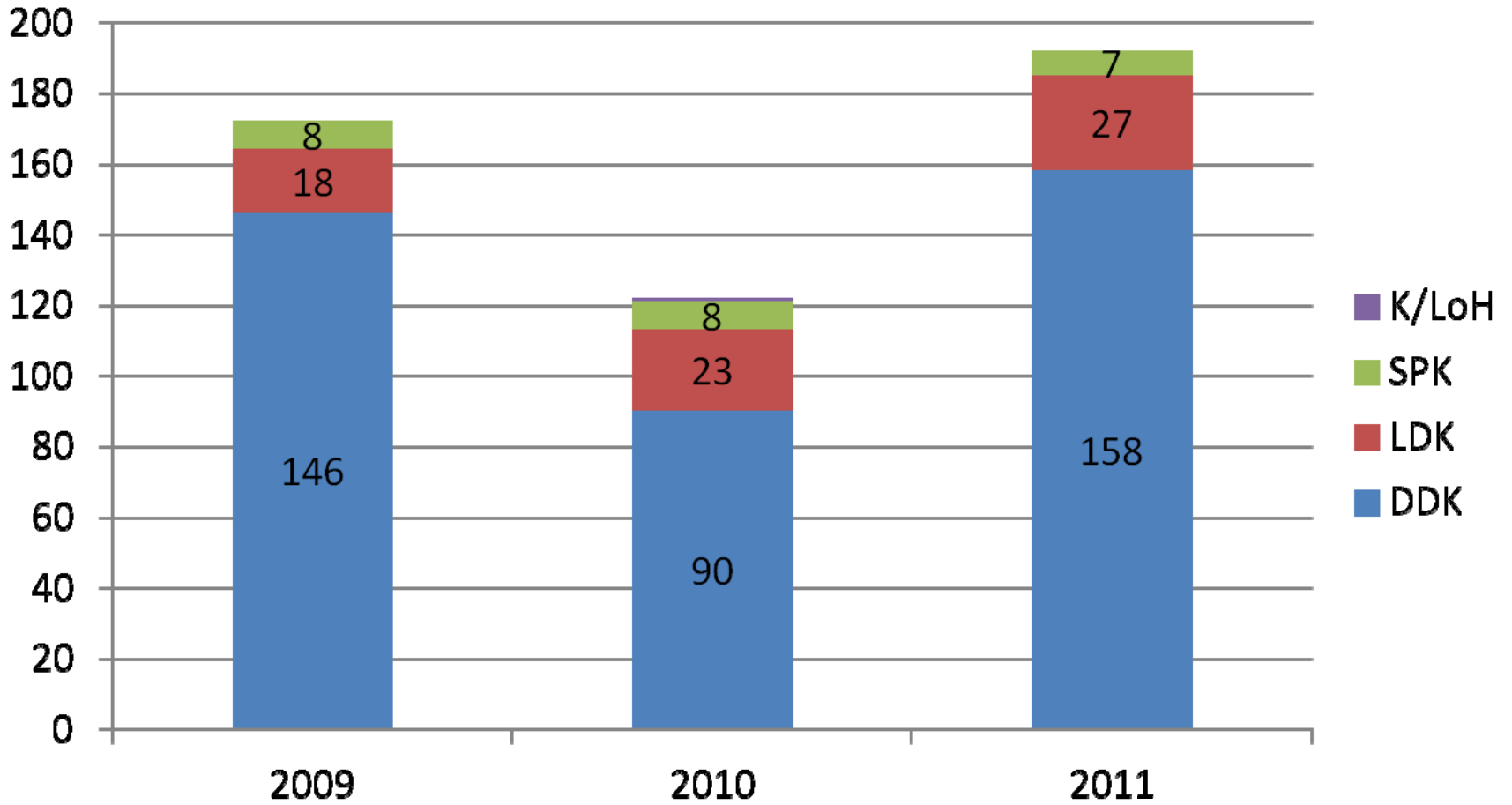
(total patients under governance of 11 Parent Renal Units)



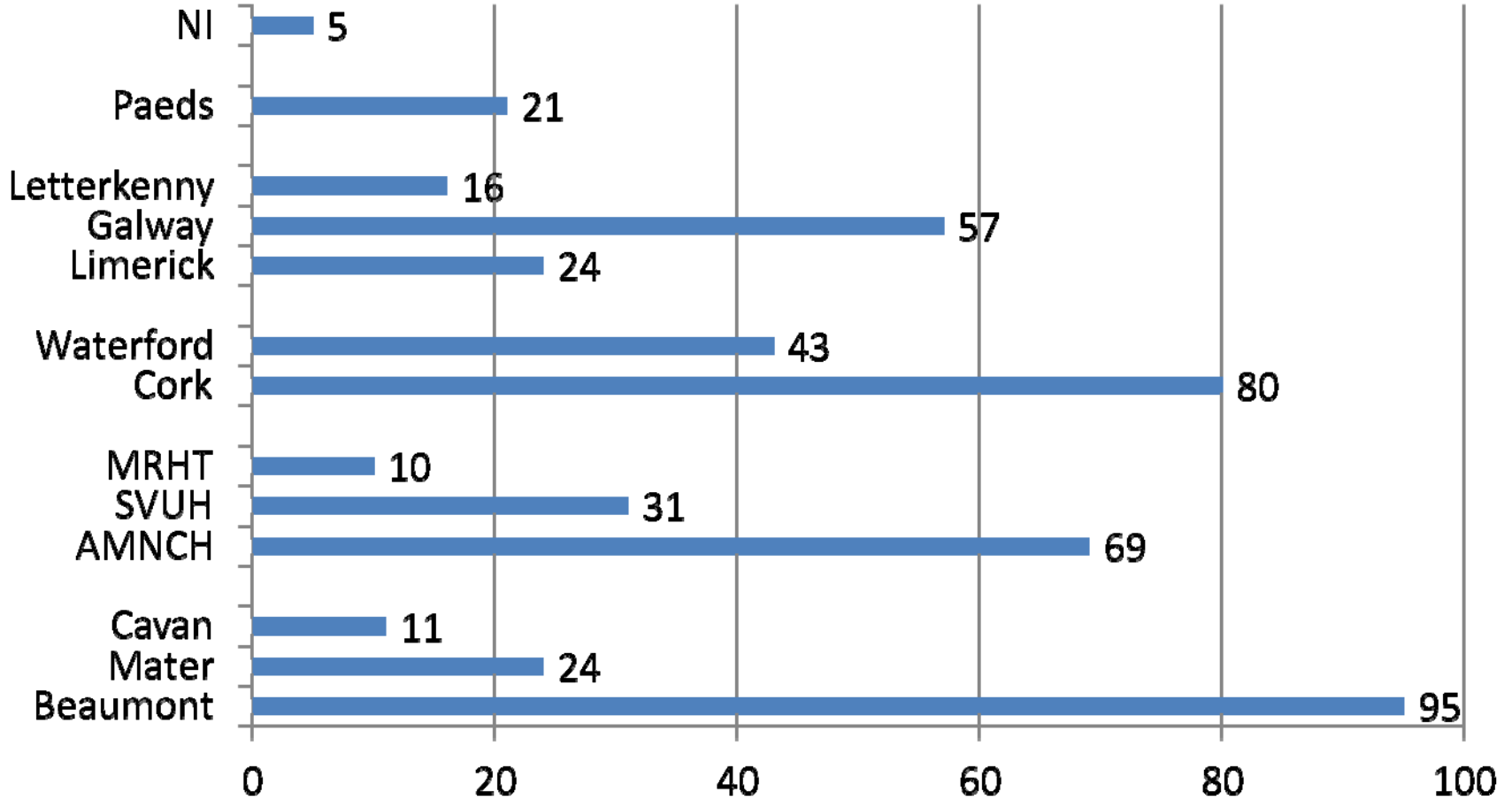
# **TRANSPLANT ACTIVITY**



# Transplants 2009-11



# Transplants 2009-11



# Transplants 2009-11

■ DNE ■ DML ■ South ■ West ■ Paeds ■ NI

