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A detailed anatomical illustration of a human torso from the back, showing the skeletal structure and internal organs. The two kidneys are highlighted in a bright red color, positioned on either side of the spine in the upper back region.

**Epidemiology of  
Nephrology in Ireland  
NRO analysis**



# NRO - FIRST 10 YEARS

NRO – Data from 1-1-2010 to 1-1-2020 –  
(Usual caveat regarding data figures from early years apply)



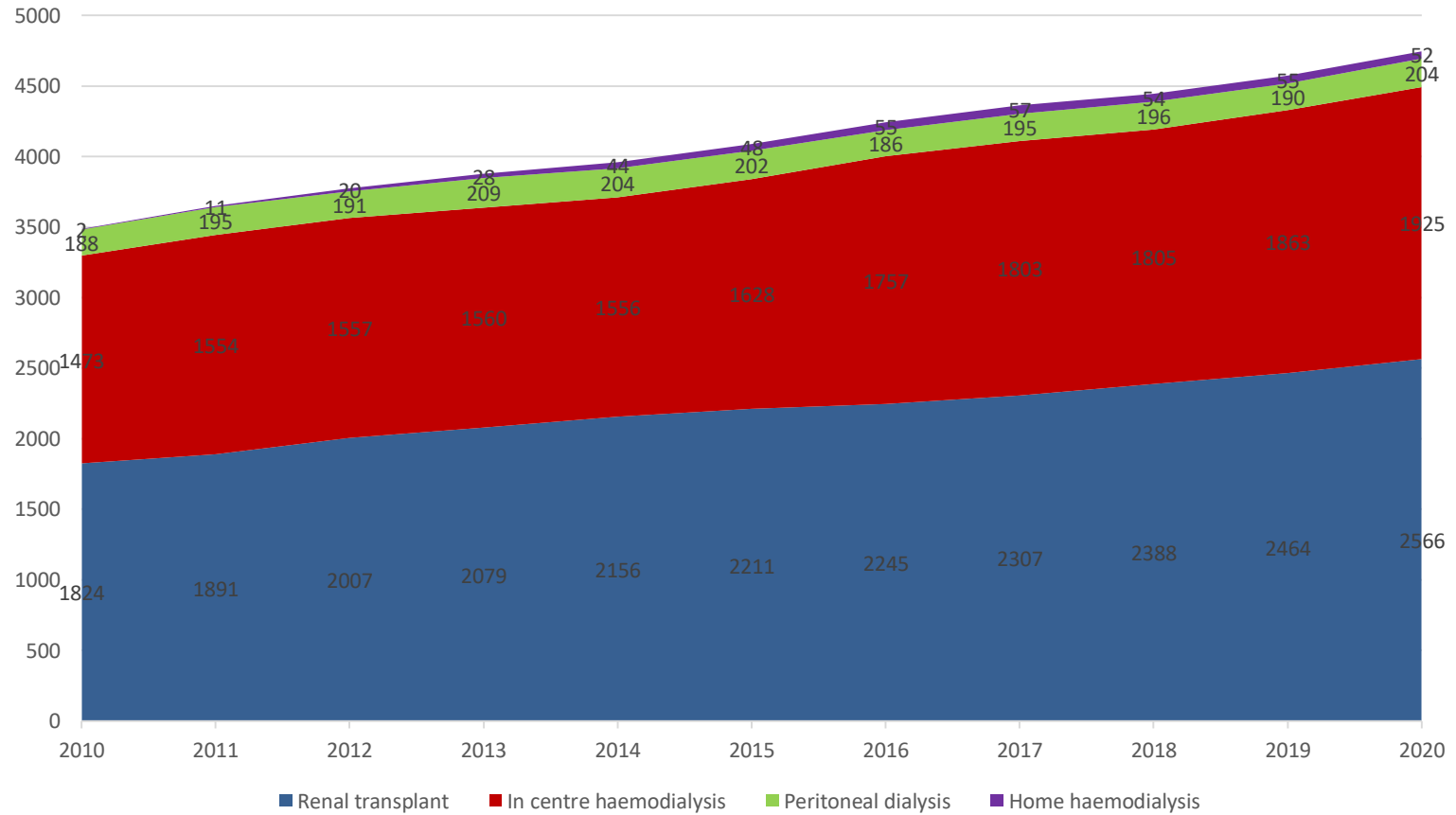
# Growth in ESKD over a decade

January 1 prevalence	Renal transplant	Additional patients	In centre haemodialysis	Additional patients	Peritoneal dialysis	Additional patients	Home haemodialysis	Additional patients	End Stage Kidney Patients	Additional patients
2010	1824		1473		188		2		3487	
2011	1891	67	1554	81	195	7	11	9	3651	164
2012	2007	116	1557	3	191	-4	20	9	3775	124
2013	2079	72	1560	3	209	18	28	8	3876	101
2014	2156	77	1556	-4	204	-5	44	16	3960	84
2015	2211	55	1628	72	202	-2	48	4	4089	129
2016	2245	34	1757	129	186	-16	55	7	4243	154
2017	2307	62	1803	46	195	9	57	2	4362	119
2018	2388	81	1805	2	196	1	54	-3	4443	81
2019	2464	76	1863	58	190	-6	55	1	4572	129
2020	2566	102	1925	62	204	14	52	-3	4747	175
<b>Annual increase</b>		74		45		2		5		126

- Patients on dialysis therapy or with functioning kidney transplant on January 1 of year
- Renal transplant numbers indicates the number of patients living with a functional kidney transplant.
  - Growth refers to additional number alive - less patient deaths and patients returning to dialysis.
- Renal dialysis numbers indicates the number of patients living on dialysis.
  - Growth refers to additional number alive - less patient deaths and patients being transplanted.



# Growth in ESKD



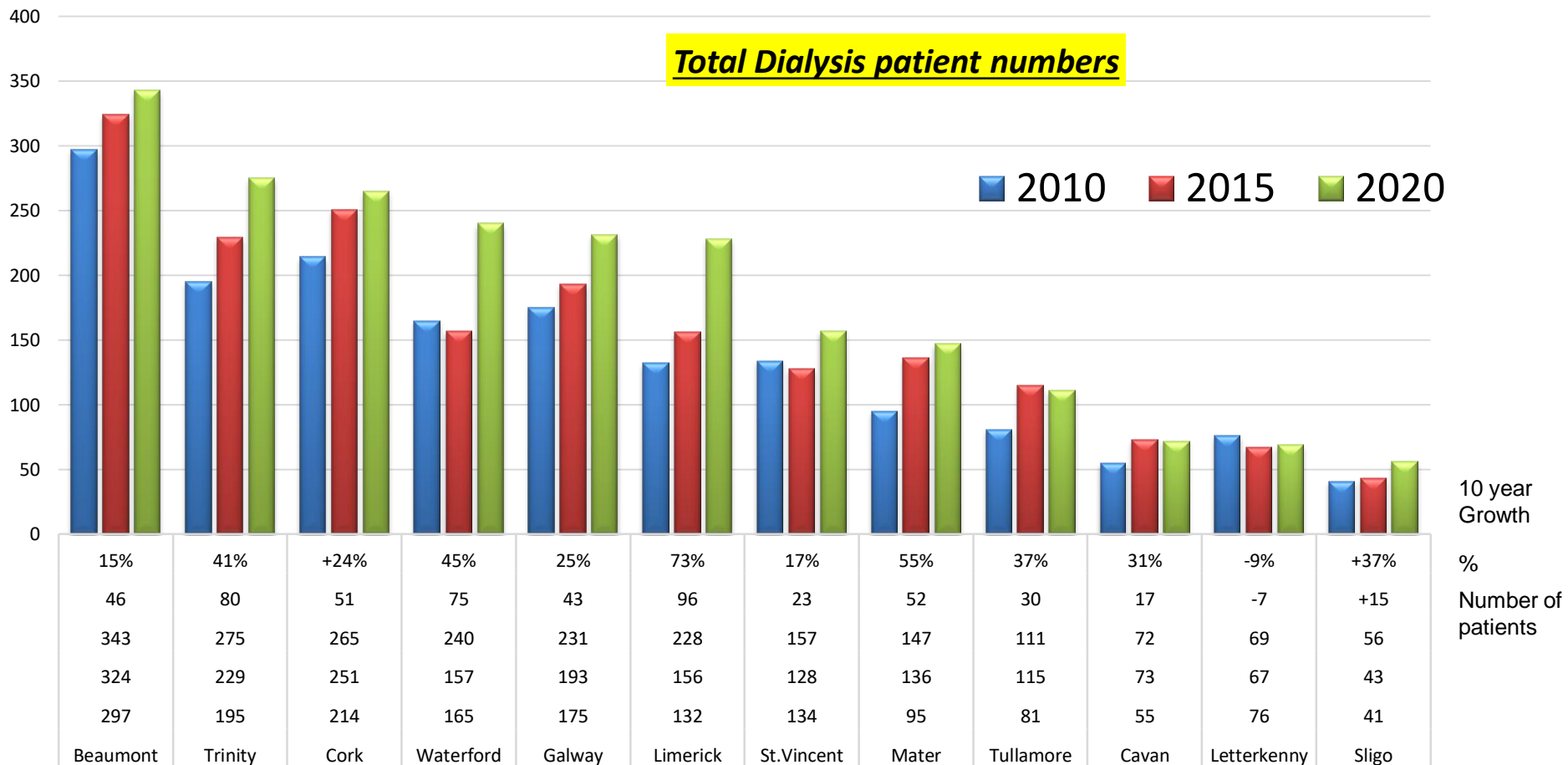


# Growth – 1260 additional ESKD patients on treatment over 10 years

- In Centre – Haemodialysis
  - 452 additional patients - 30.6%
    - 78% - Growth in HSE contracted units -
- Home Dialysis
  - 66 additional patients – 34.7%
    - 75% - growth – due to establishment of a HHD program
- Transplantation
  - 742 additional patients – 37.3%



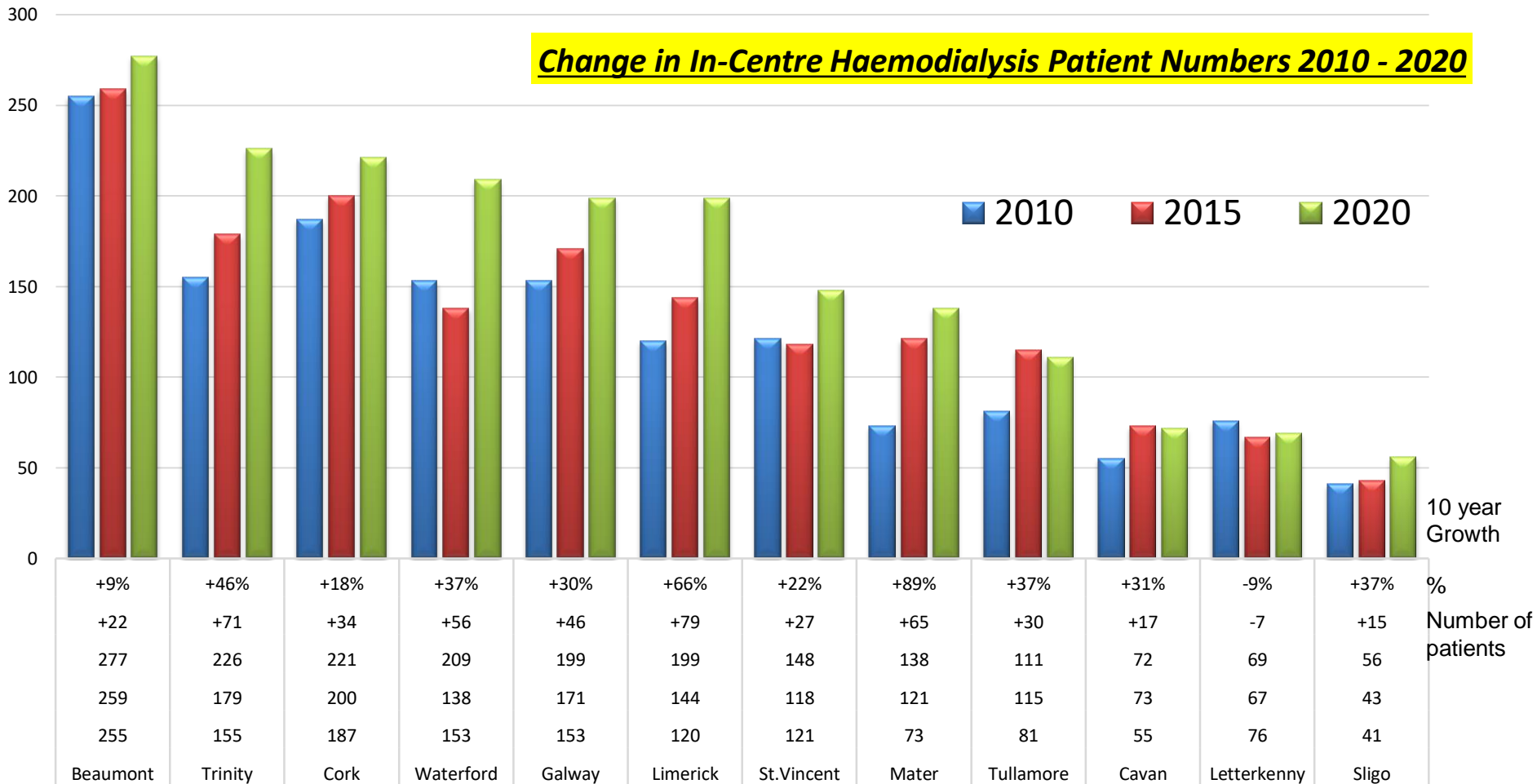
# Dialysis activity by Hospital 2010 to 2020





# Haemodialysis activity by Hospital 2010 to 2020

**Change in In-Centre Haemodialysis Patient Numbers 2010 - 2020**





# Transplant Activity by Hospital 2010 -20

**Change in Transplant patient number being followed up by Hospital**

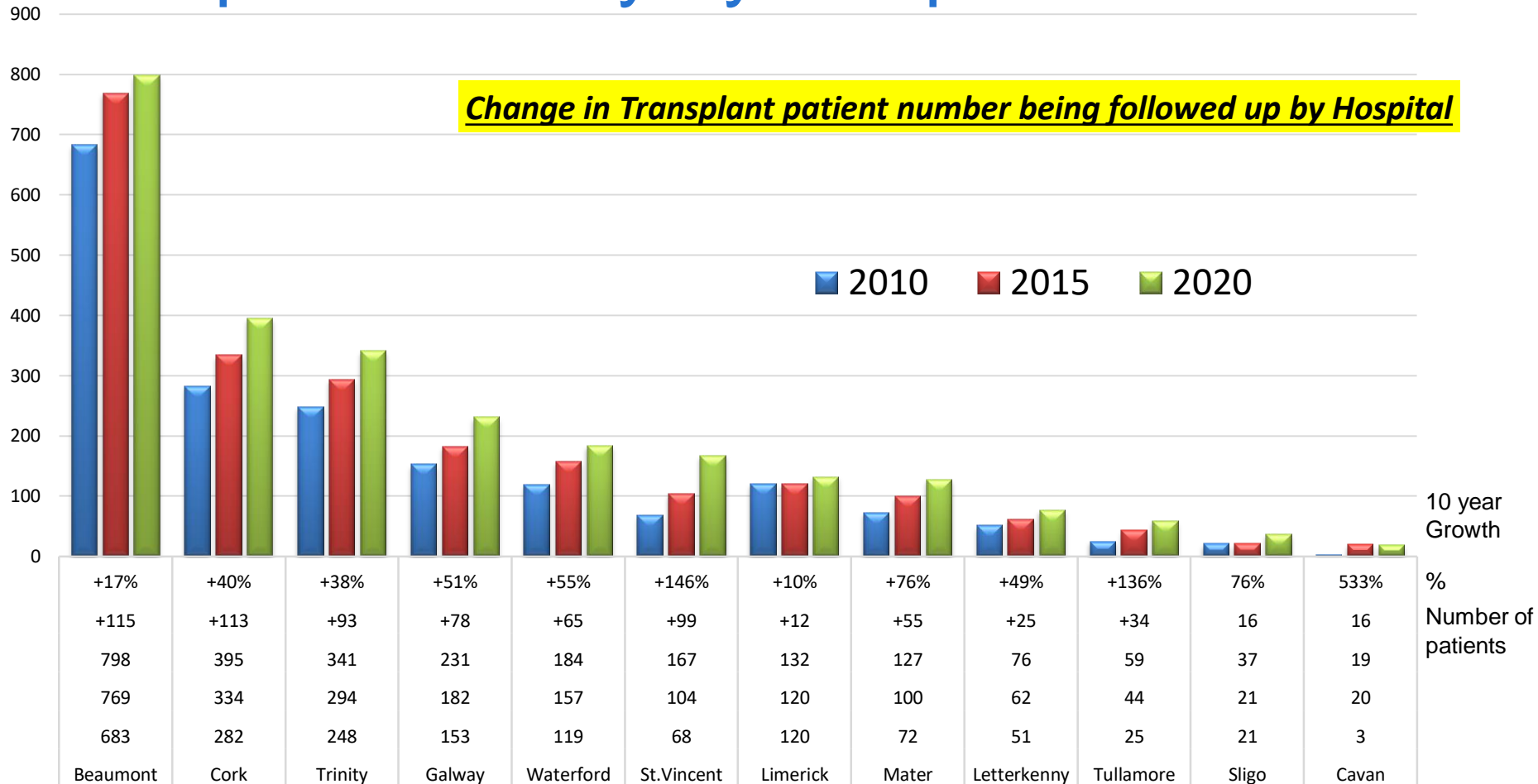
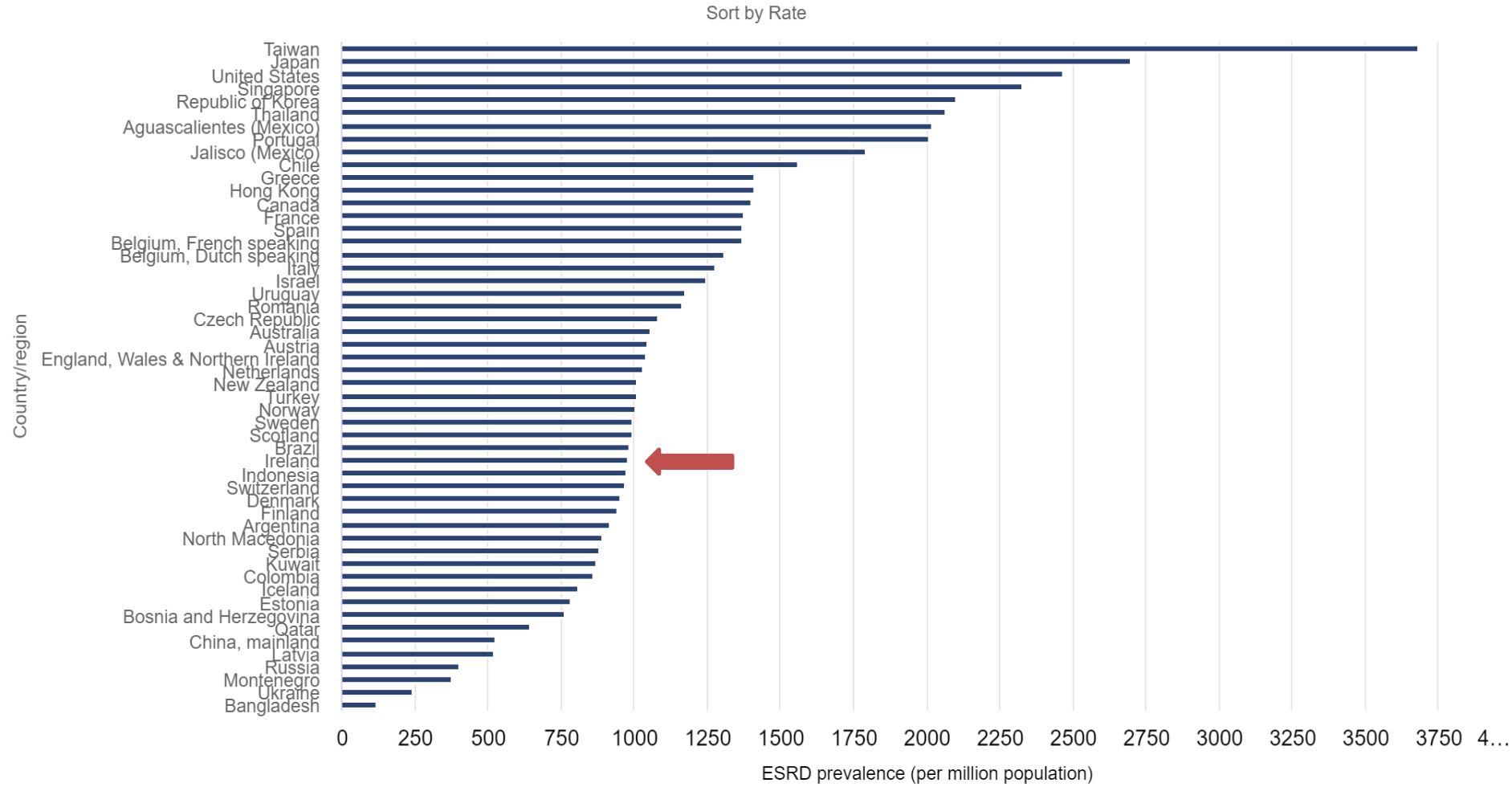






Figure 11.9 Prevalence of treated ESRD, by country or region, 2019



Data Source: 2021 United States Renal Data System Annual Data Report



# ESKD Statistics 2022

- Presented as the cumulative change seen in 2020 & 2021
  - The COVID 19 era
  - Based on ESKD prevalence on 1-1-2020 versus 1-1-2022



## ESKD prevalence

### Patients 1/1/2022

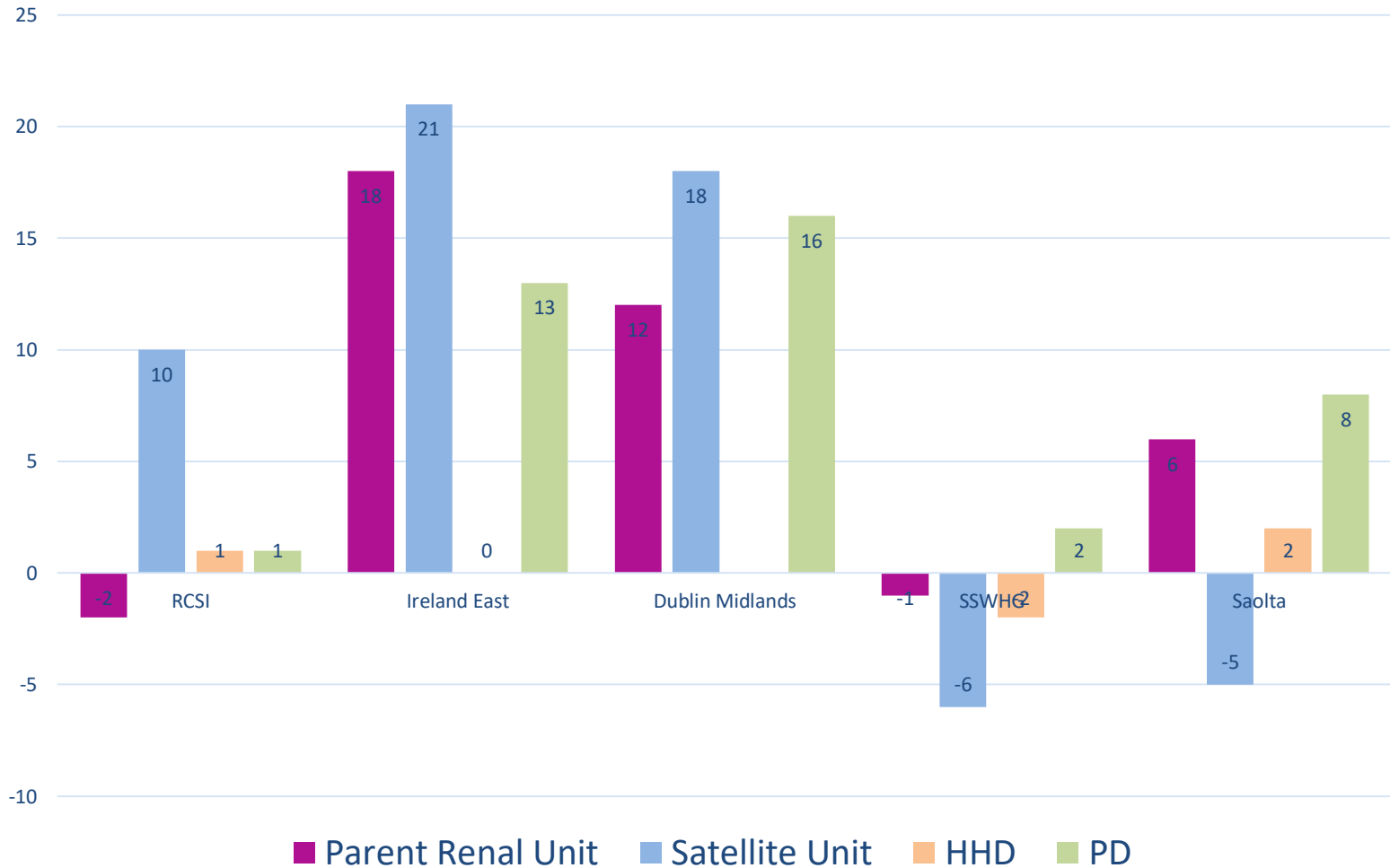
<b>Total</b>	<b>ESKD</b>	<b>4923</b>
41%	HD	2019
6%	PD/HHD	298
53%	TX	2608

### Patient growth – 2020 - 2022

HD	+ 2.5% per year
PD/HHD	+ 8% per year
TX	+ 1% per year

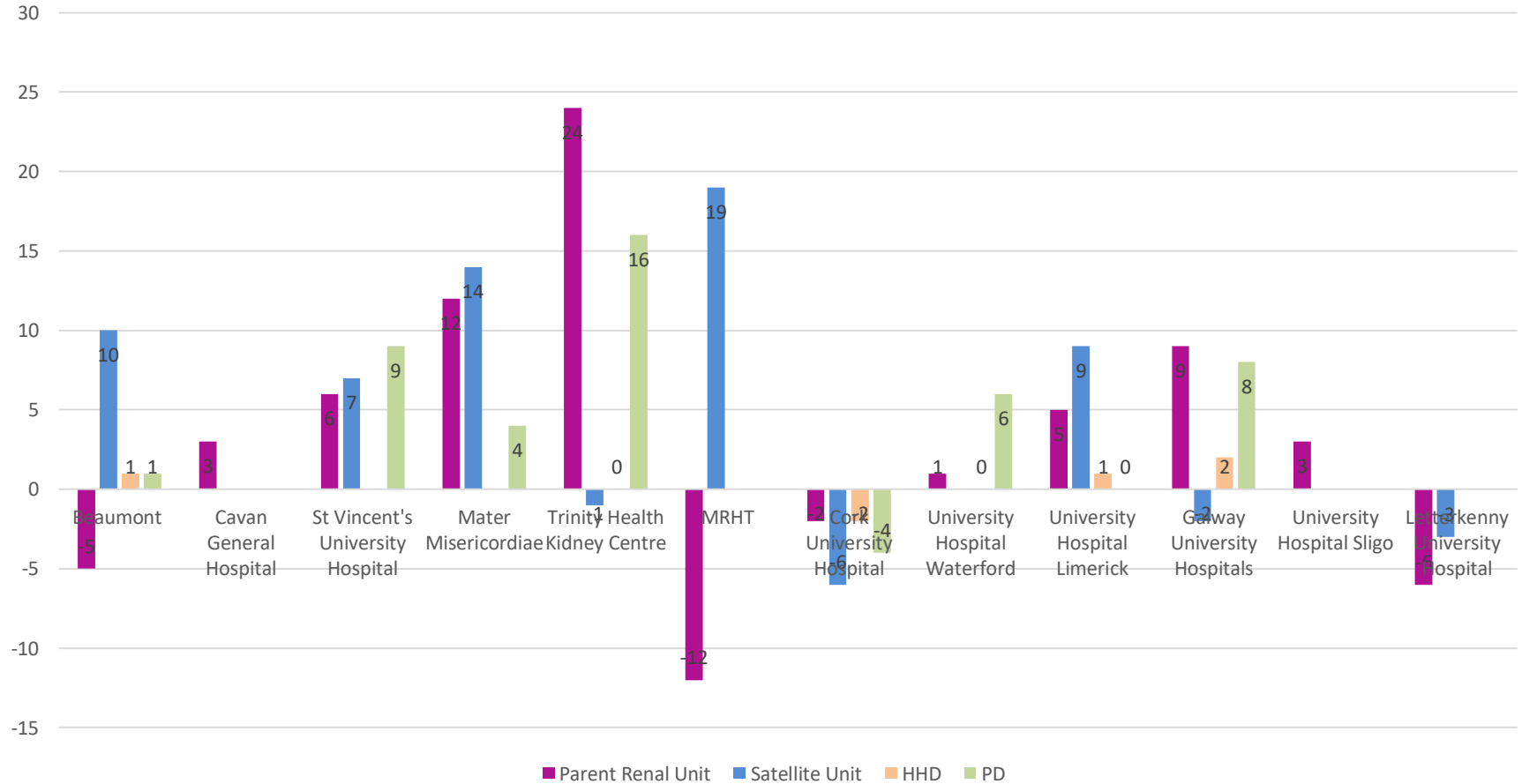


### Changes in Dialysis Modality by Hospital Group- 2020 - 2022



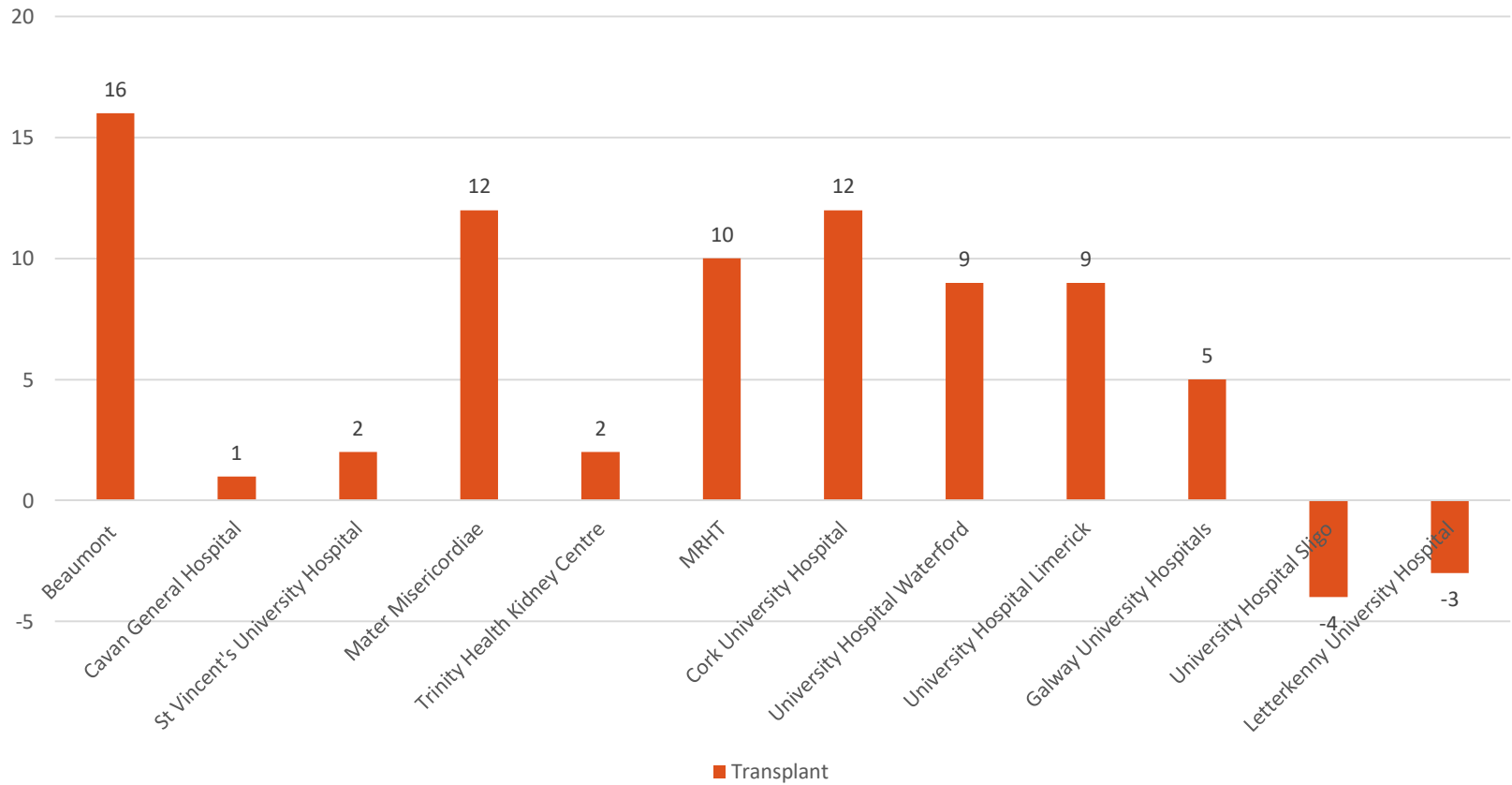


## Change in Dialysis activity by Modality & Hospital 2020 -2022



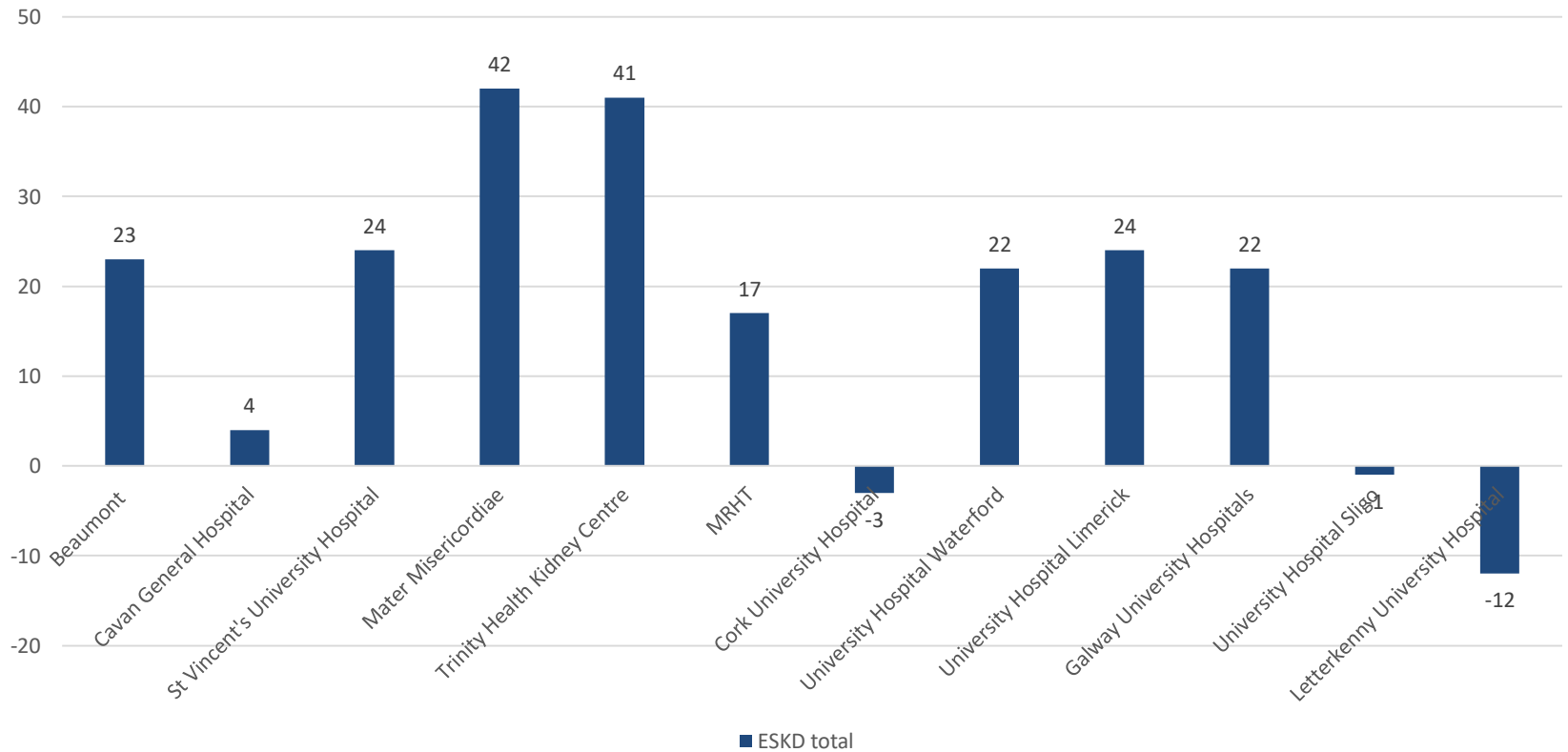


## Changes in number of kidney transplant patients under follow up by Hospital 2020 -2022



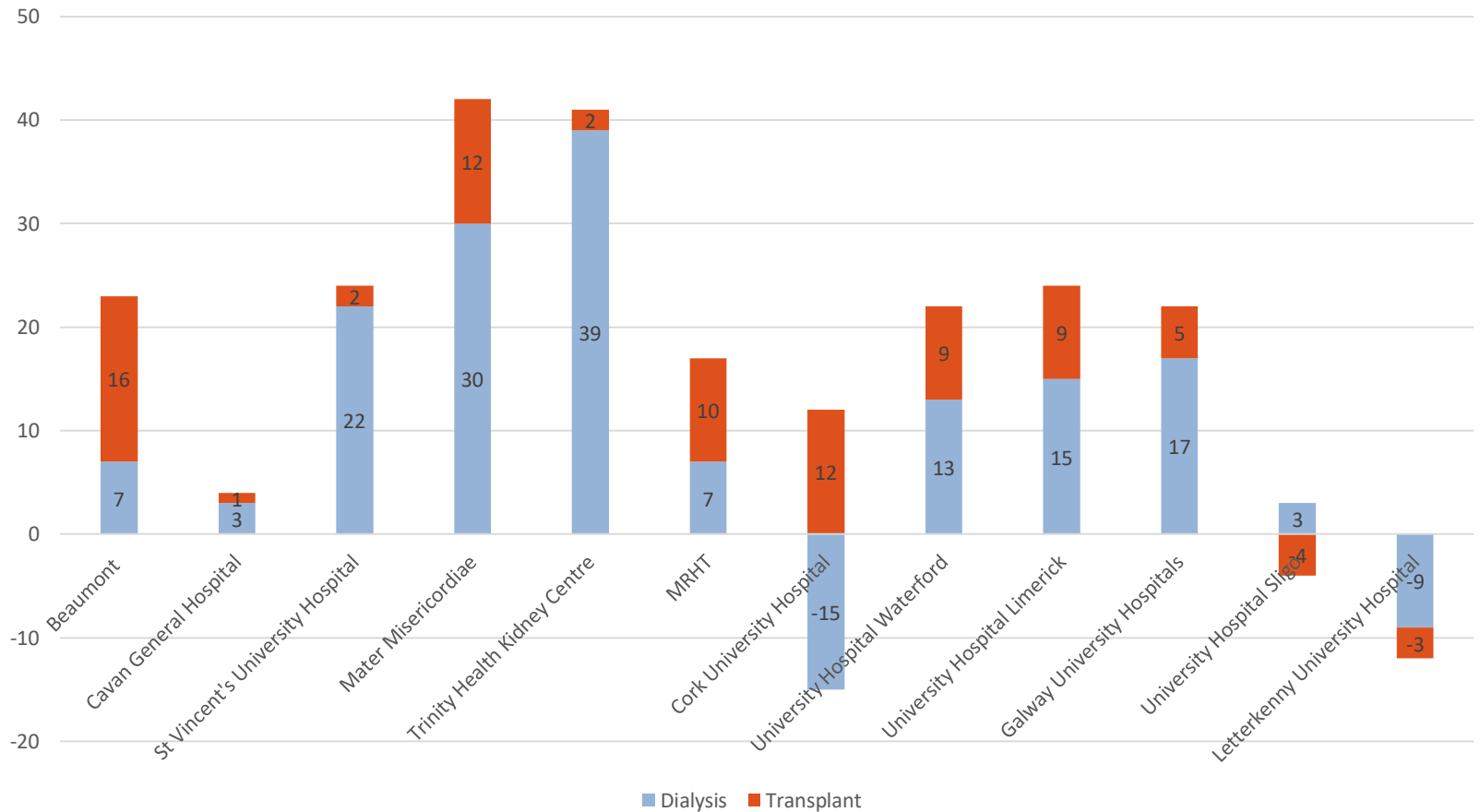


## Change in total number of patients on Renal replacement therapy by Hospital – 2020-2022





## Change in total number of patients on Renal replacement therapy by Hospital & Modality– 2020-2022





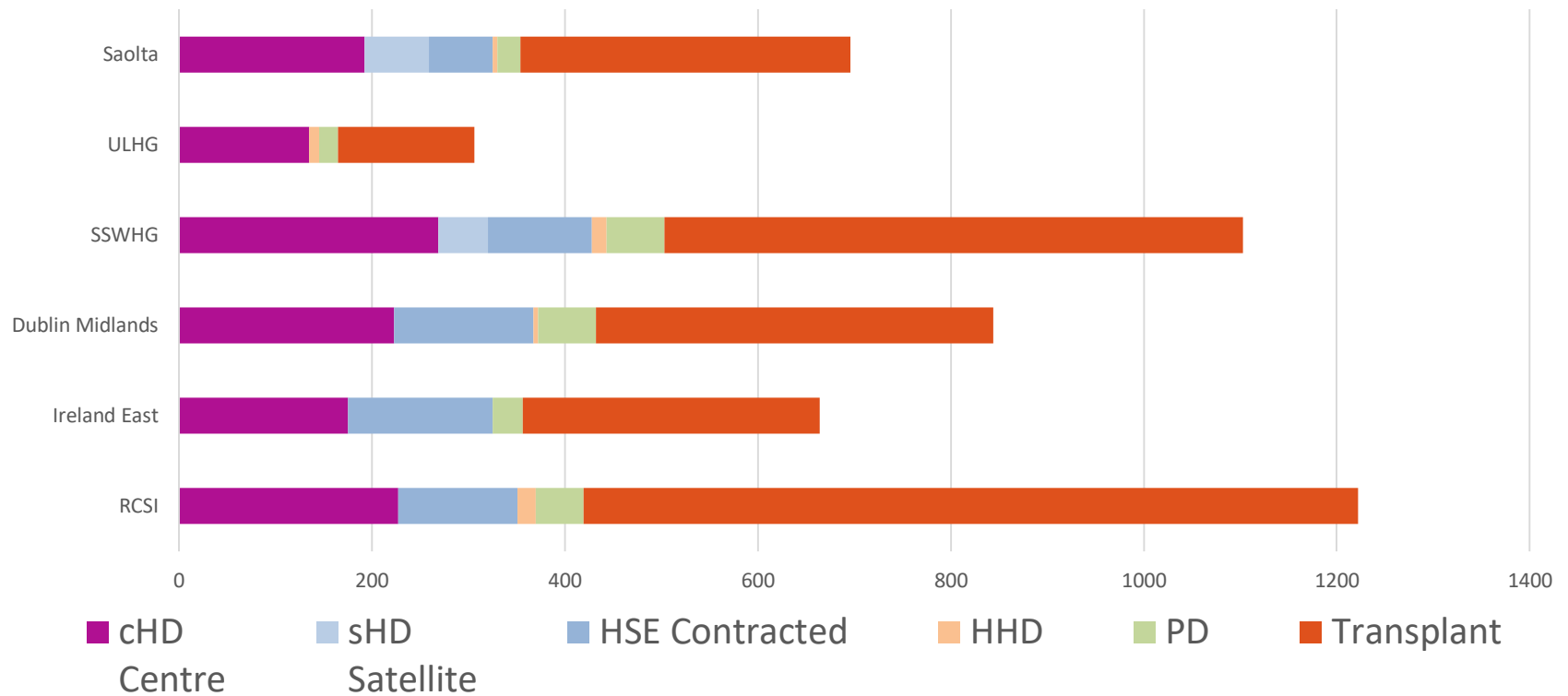


# ESKD Data

Final National Renal Office End of Year ESKD statistics December 31st 2021		HD HSE		HD contracted											Total in centre / contract HD	HHD	PD	Transplant	ESKD total
Hospital Group	cHD Centre	sHD Satellite	Beacon Dialysis			Northern Ireland			Fresenius Dialysis			Ebraun Dialysis							
			Drogheda	Sandyford	Tallaght	Newry	Omagh	Derry	NCross	Kilkenny	Limerick	Wexford	Galway	Portlaoise					
Beaumont	158		71	3					50						282	19	49	783	1133
Cavan General Hospital	69														69			20	89
<b>RCSI</b>	227	0	71	3	0	0	0	0	50	0	0	0	0	0	351	19	49	803	1222
St Vincent's University Hospital	80			81											161		18	169	348
Mater Misericordiae	95		28						41						164		13	139	316
<b>Ireland East</b>	175	0	28	81	0	0	0	0	41	0	0	0	0	0	325	0	31	308	664
Trinity Health Kidney Centre	133			23	87										243	5	60	337	645
St James' Hospital	1				5										6			6	12
MRHT	89														118			69	187
<b>Dublin Midlands</b>	223	0	0	23	92	0	0	0	0	0	0	0	0	29	367	5	60	412	844
CUH/UHK	161	51													212	13	25	407	657
University Hospital Waterford	108									57		51			216	2	35	193	446
<b>SSWHG</b>	269	51	0	0	0	0	0	0	0	57	0	51	0	0	428	15	60	600	1103
University Hospital Limerick	135										88				223	10	20	141	394
<b>ULHG</b>	135	0	0	0	0	0	0	0	0	0	88	0	0	0	223	10	20	141	394
MPUH/UHM	75	67											64		206	5	24	236	471
University Hospital Sligo	59														59			33	92
Letterkenny University Hospital	58							2							60			73	133
<b>Saolta</b>	192	67	0	0	0	0	0	2	0	0	0	0	64	0	325	5	24	342	696
<b>National Adults</b>	1221	118	99	107	92	0	0	2	91	57	88	51	64	29	2019	54	244	2606	4923
<b>Paediatrics</b>																			
Temple St University Hospital	7														7		4	49	60
OLCH Crumlin	0																8	1	9
<b>Grand Total</b>	1228														2026	54	256	2656	4992

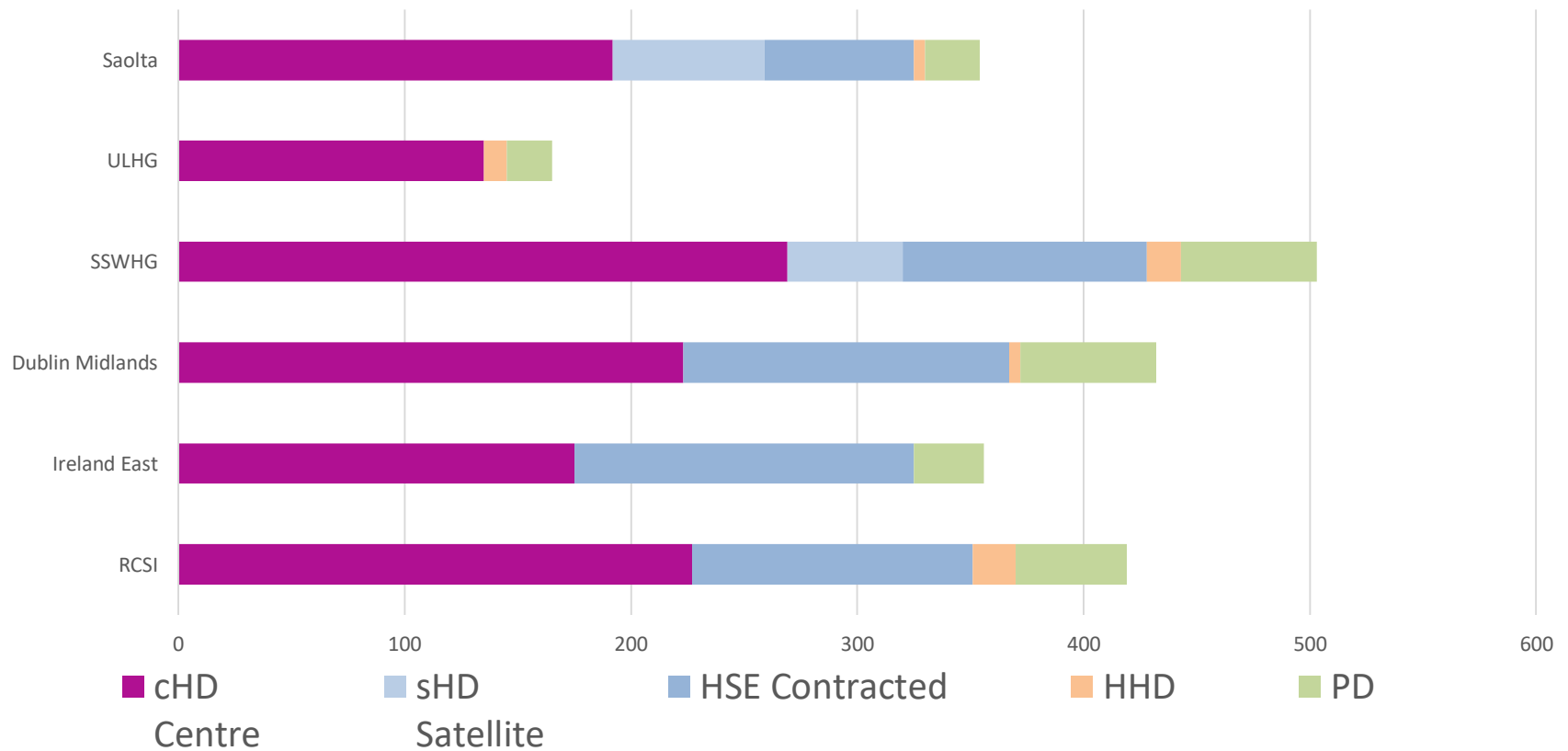


## Patient Numbers - ESKD Prevalence by modality & hospital Group – 1/1/2022



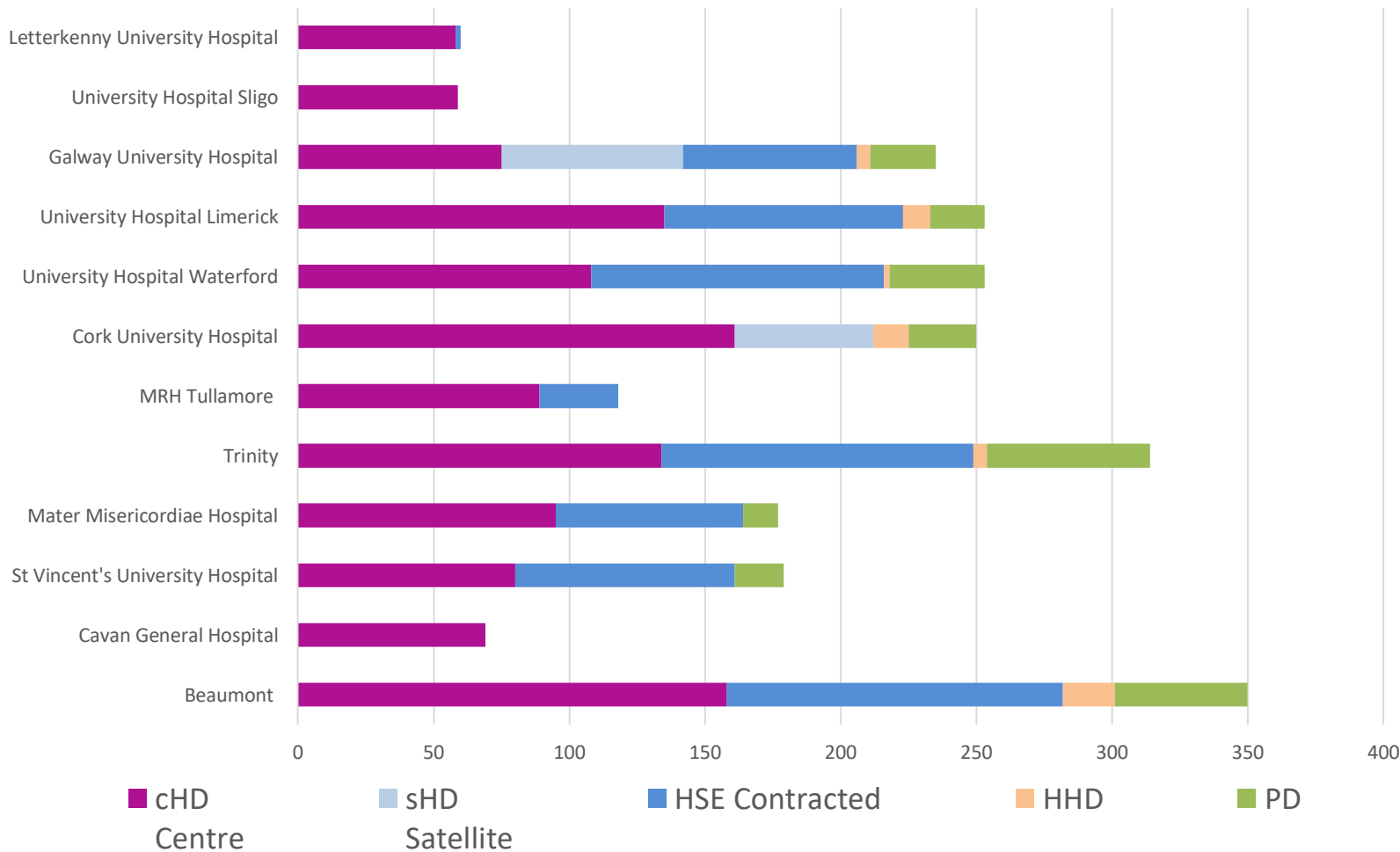


## Patient number – Dialysis activity by Hospital Group – 1/1/2022



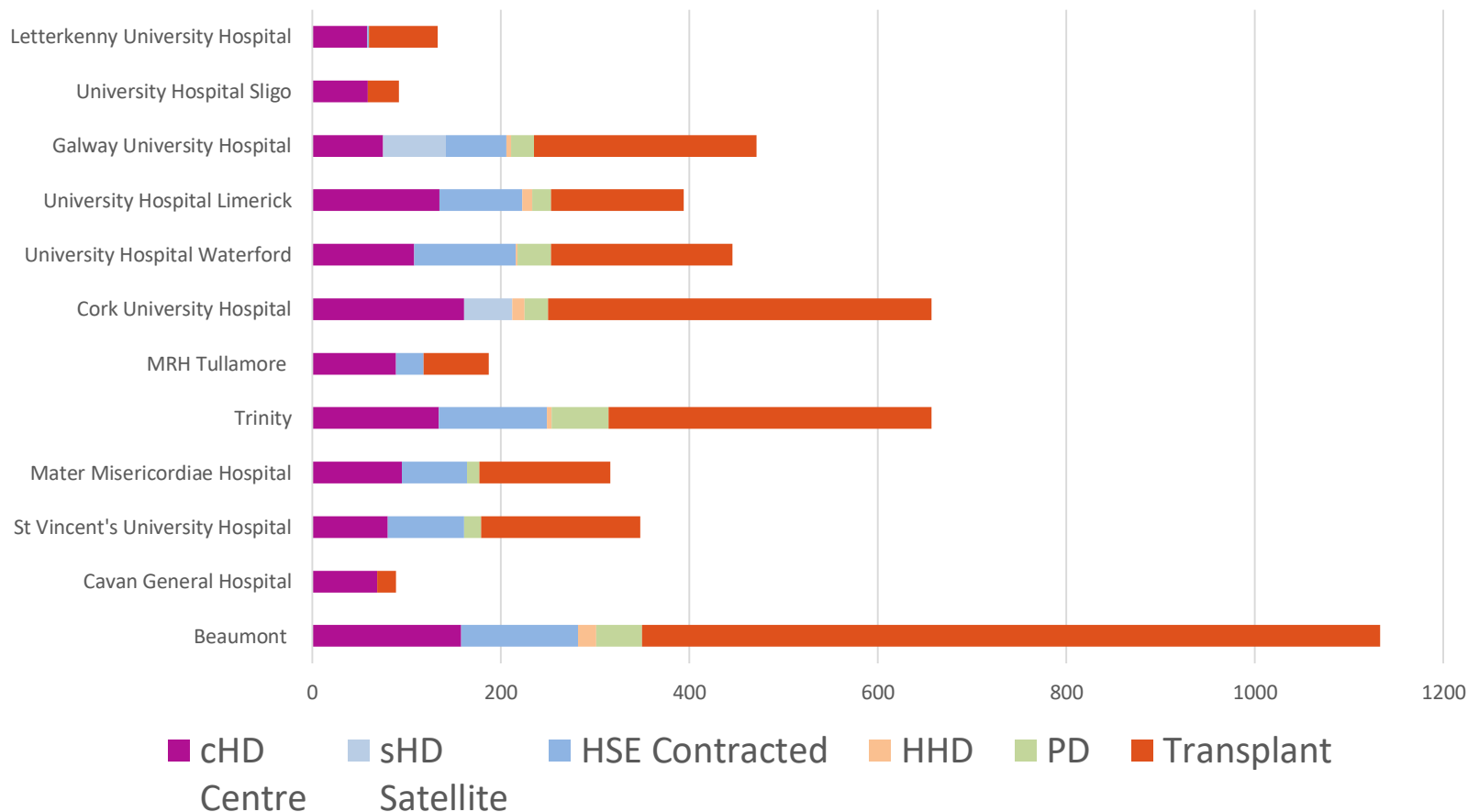


# Patient Numbers – Dialysis activity by Hospital – 01/01/2022



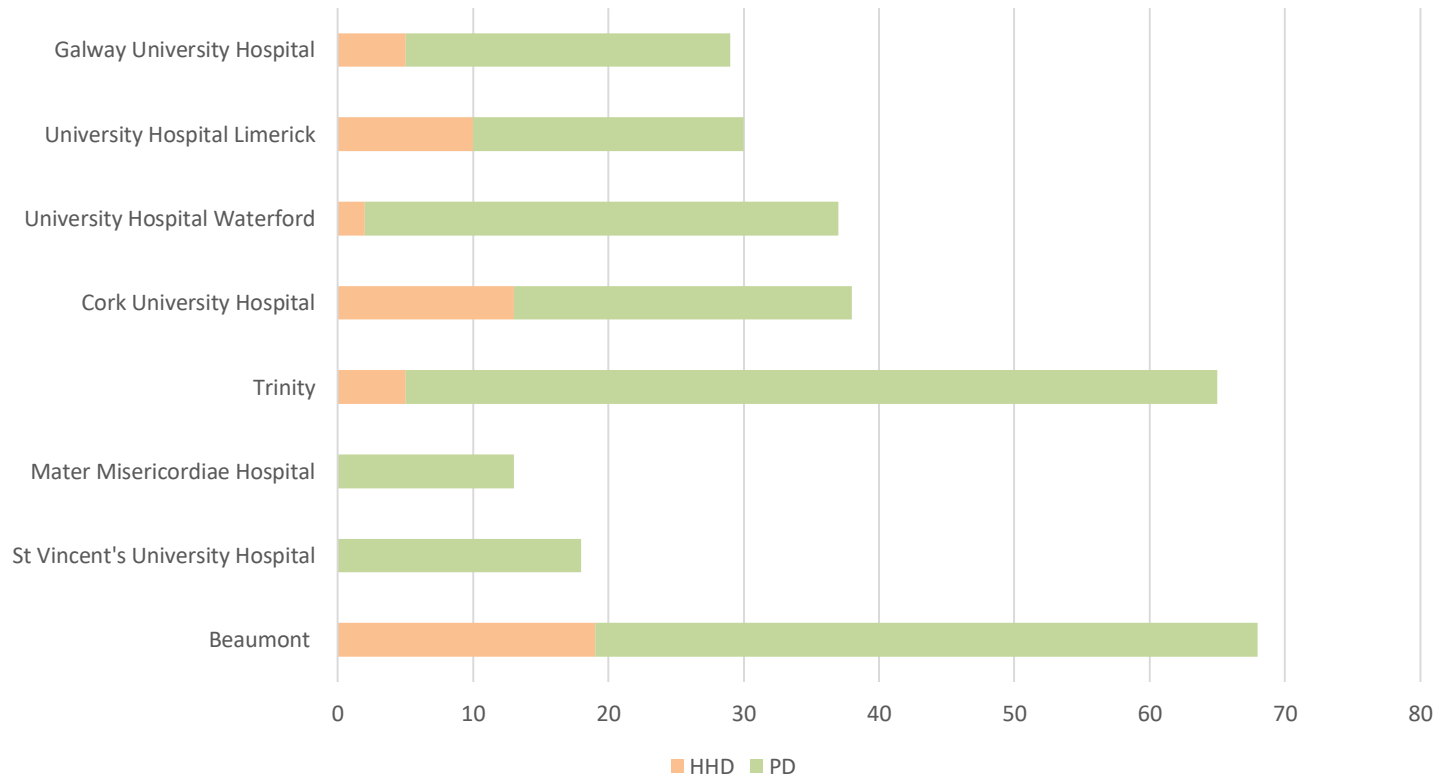


## Patient Numbers - ESKD activity by Hospital – 01/01/2022





## Patient Numbers - Home Dialysis Therapy Provision 01/01/22



The background of the slide is a light blue gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance.

# **Prof. George Mellotte**

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for Renal Services  
National Renal Office**

**Thanks to**

**Pat O'Connor – General Manager**

**Catherine Sharp – Senior Executive officer (0.5 WTE)**

**Eileen Mc Brearty – Clinical IT Nurse Specialist (until Jan 21)**

**Dawn Davin - National Renal Pharmacist (0.5WTE)**

**– Joined Dec 2020**