



## Distribution of Dialysis Patients Utilizing Home Modalities in 2011

### Peritoneal Dialysis Utilization Varies Widely By Race and ESRD Network

- Nationally, 8.8 percent of dialysis patients received peritoneal dialysis (PD) in 2011
  - » This percentage varies by race from 10.6 percent for White dialysis patients to 7.9 percent for Hispanic dialysis patients and 6.3 percent for Black dialysis patients
- PD utilization also varies widely by ESRD Network, from 5.3 percent of dialysis patients in the Transatlantic Renal Council Network to 13.2 percent of dialysis patients in the Northwest Renal Network
  - » By race and ESRD Network, the variances even wider:
    - White dialysis patients: 5.9 percent on PD in the Transatlantic Renal Council Network to 15.2 percent on PD in the Southeastern Kidney Council
    - Black dialysis patients: 3.5 percent on PD in the ESRD Network of New York to 9.6 percent on PD in the ESRD Network of New England
    - Asian dialysis patients: 5.7 percent on PD in the ESRD Network of New York to 19.5 percent on PD in Network 8
    - Hispanic dialysis patients: 4.2 percent on PD in the ESRD Network of New York to 16.0 percent on PD in Network 8
- Nationally, Black dialysis patients are approximately 29 percent less likely than average to be receiving PD and Hispanic dialysis patients are approximately 10 percent less likely than average to be receiving PD

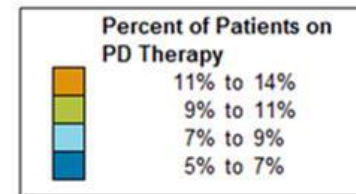
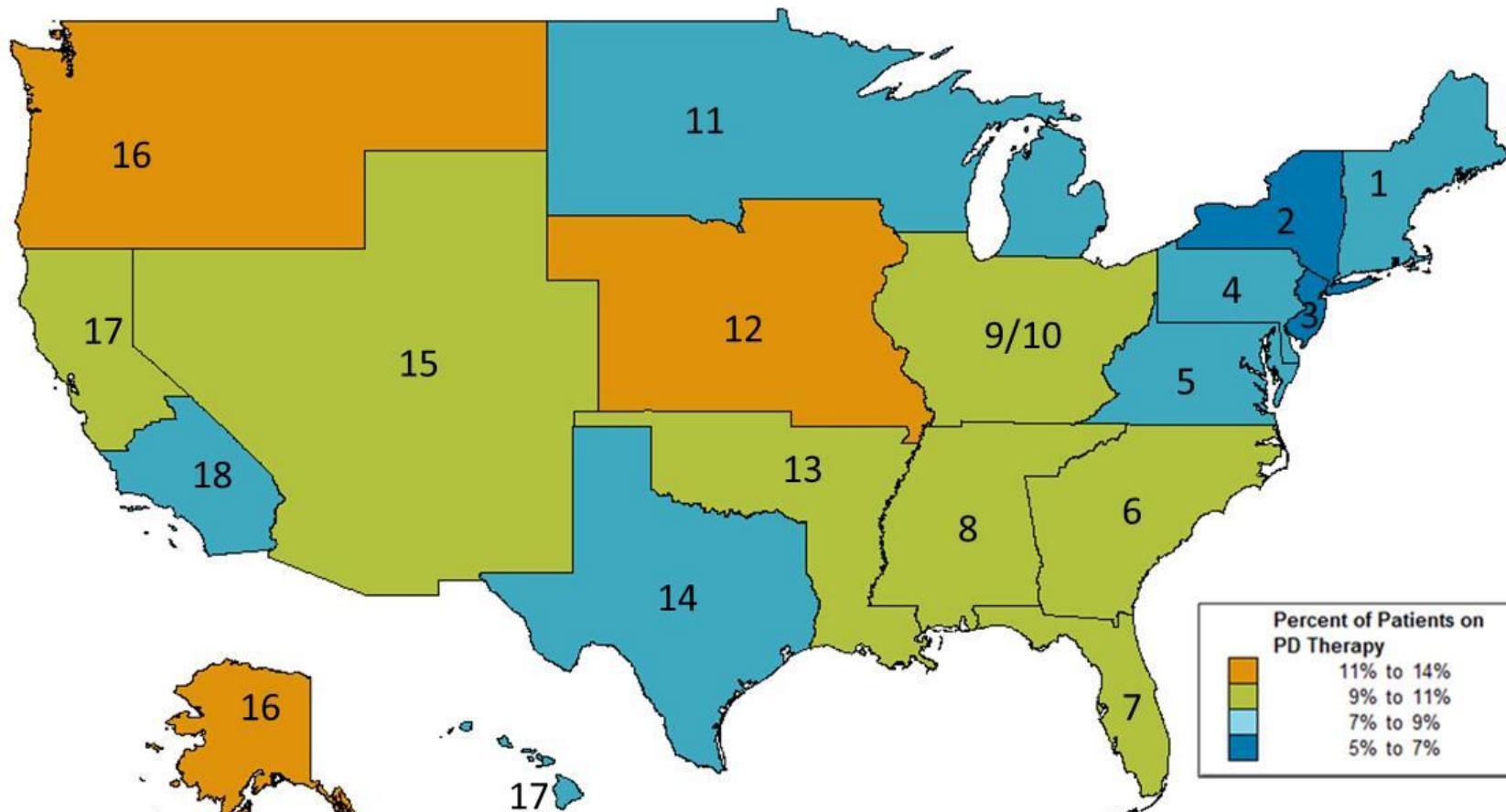
### Home Hemodialysis Utilization Varies Widely By Race and ESRD Network

- Nationally, 2.7 percent of dialysis patients received home hemodialysis (HHD) in 2011
  - » This percentage varies by race from 3.3 percent for White dialysis patients to 2.2 percent for Black or Asian dialysis patients and 1.7 percent for Hispanic dialysis patients
- HHD utilization also varies widely by ESRD Network, from 1.4 percent of dialysis patients in the Transatlantic Renal Council to 6.0 percent of dialysis patients in The Renal Network
  - » By race and ESRD Network, the variance is even wider:
    - White dialysis patients: 1.5 percent on HHD in the Transatlantic Renal Council to 6.3 percent on HHD in The Renal Network
    - Black dialysis patients: 0.9 percent on HHD in ESRD Network Organization #13 to 5.2 percent on HHD in The Renal Network
    - Asian dialysis patients: 1.2 percent on HHD in the ESRD Network of New England to 10.0 percent on HHD in The Renal Network
    - Hispanic dialysis patients: 1.0 percent on HHD in Network 8 to 6.8 percent on HHD in The Renal Network
- Nationally, Black dialysis patients are approximately 20 percent less likely than average to be receiving HHD and Hispanic dialysis patients are approximately 37 percent less likely than average to be receiving HHD

### Methodology

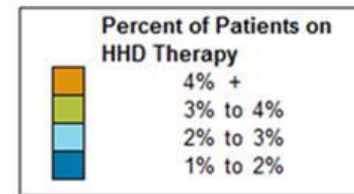
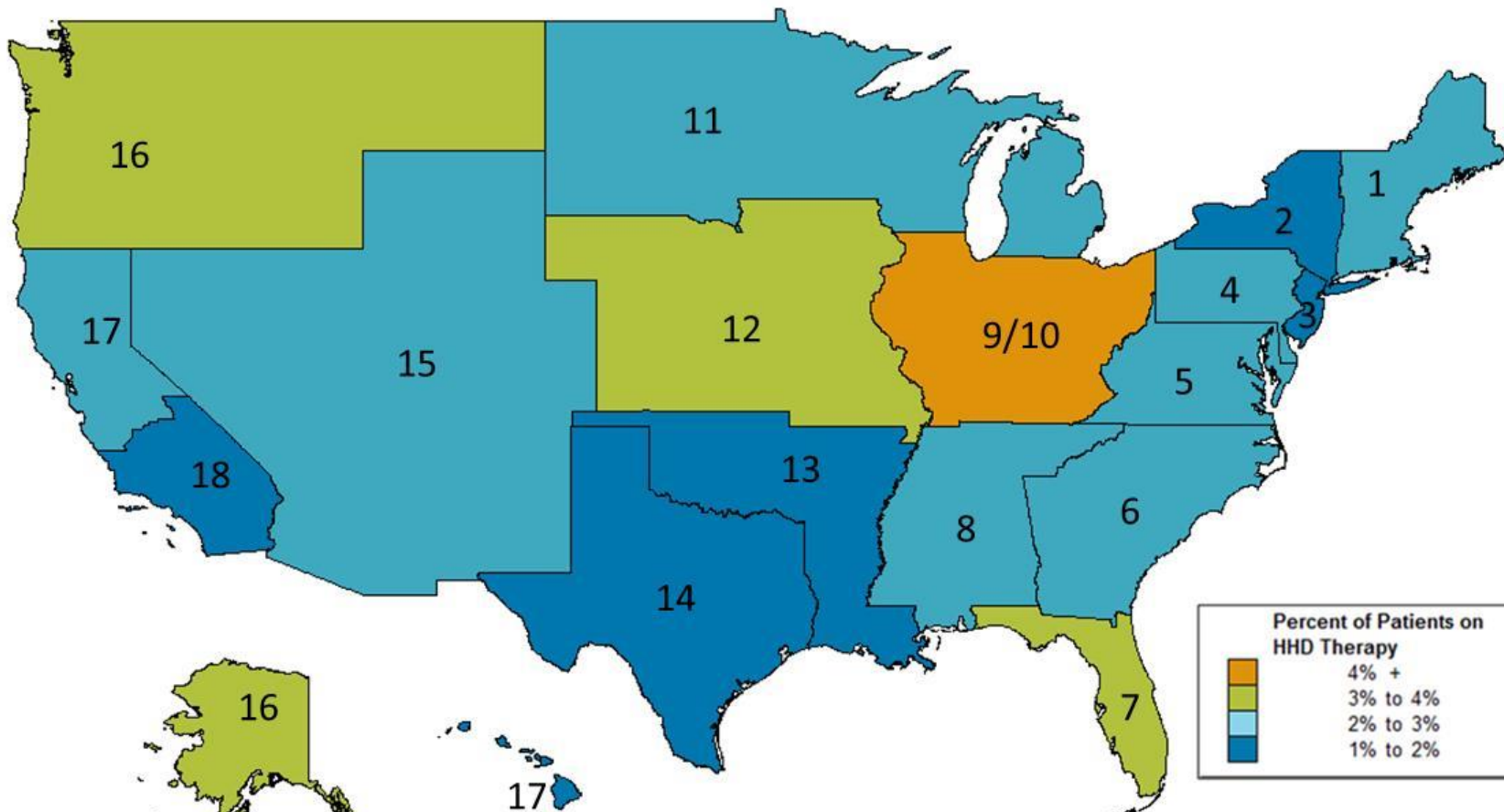
- Data is from the 2011 Medicare 100% Outpatient Standard Analytic File: This file contains all Medicare fee-for-service beneficiaries who received any dialysis during 2011. Beneficiaries enrolled in Medicare Advantage or non-Medicare plans are not included in this analysis.
- To identify all dialysis patients, Avalere used bill type "72" (outpatient dialysis). PD and HHD patients were identified using a combination of revenue codes and condition codes. Beneficiaries were counted in either the PD or HHD group if they had at least one claim during the year that met the criteria for the category. For the overall total patient counts, a beneficiary was counted only once regardless of the number of different modalities they may have used during a year.
- Avalere used the Medicare 100% Denominator Standard Analytic File to identify race and state of residence

**Figure 1: Medicare Peritoneal Dialysis Patients in 2011**



Number	Name	Number	Name
1	ESRD Network Of New England, Inc.	11	Renal Network Of The Upper Midwest, Inc.
2	ESRD Network Of New York, Inc.	12	ESRD Network #12
3	Transatlantic Renal Council	13	ESRD Network Organization #13
4	ESRD Network 4, Inc.	14	ESRD Network Of Texas, Inc.
5	Mid-Atlantic Renal Coalition	15	Intermountain ESRD Network, Inc.
6	Southeastern Kidney Council, Inc.	16	Northwest Renal Network
7	Fmqai: The Florida ESRD Network	17	Transpacific Renal Network
8	Network 8, Inc.	18	Southern California Renal Disease Council, Inc.
9/10	The Renal Network, Inc.		

**Figure 2: Medicare Home Hemodialysis Patients in 2011**



Number	Name	Number	Name
1	ESRD Network Of New England, Inc.	11	Renal Network Of The Upper Midwest, Inc.
2	ESRD Network Of New York, Inc.	12	ESRD Network #12
3	Transatlantic Renal Council	13	ESRD Network Organization #13
4	ESRD Network 4, Inc.	14	ESRD Network Of Texas, Inc.
5	Mid-Atlantic Renal Coalition	15	Intermountain ESRD Network, Inc.
6	Southeastern Kidney Council, Inc.	16	Northwest Renal Network
7	Fmqai: The Florida ESRD Network	17	Transpacific Renal Network
8	Network 8, Inc.	18	Southern California Renal Disease Council, Inc.
9/10	The Renal Network, Inc.		



**2011 Medicare FFS Patients on Dialysis by Race and ESRD Network**

Source: 2011 Medicare 100% Outpatient Standard Analytic File

PD patients and HHD patients: includes any beneficiary during year who had at least 1 claim for modality

All patients: includes unique number of Medicare beneficiaries with at least 1 claim for any type of outpatient chronic dialysis

Network represents residence of beneficiary, not location of provider

\*\* represents fewer than 11 patients

National totals include suppressed values

Network	All patients on dialysis											Peritoneal dialysis patients										Home hemodialysis patients																		
	Total		White		Black		Asian		Hispanic		Other		Total		% PD		White		Black		Asian		Hispanic		Other		Total		% HHD		White		Black		Asian		Hispanic		Other	
	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%		
1: ESRD Network Of New England, Inc.	12,095	8,668	71.7%	2,341	19.4%	248	2.1%	421	3.5%	417	3.4%	1,062	8.8%	733	8.5%	225	9.6%	19	7.7%	35	8.3%	50	12.0%	254	2.1%	201	8.6%	27	0.2%	**	**	**	**	**	**	13	3.1%			
2: ESRD Network Of New York, Inc.	21,354	10,330	48.4%	7,667	35.9%	859	4.0%	1,360	6.4%	1,138	5.3%	1,219	5.7%	785	7.6%	265	3.5%	49	5.7%	57	4.2%	63	5.5%	400	1.9%	269	3.5%	77	0.4%	11	1.3%	19	1.4%	24	2.1%					
3: Transatlantic Renal Council	11,798	5,875	49.8%	4,530	38.4%	407	3.4%	588	5.0%	398	3.4%	627	5.3%	346	5.9%	193	4.3%	30	7.4%	28	4.8%	30	7.5%	164	1.4%	89	2.0%	54	0.5%	**	**	**	**	**	**	**	**			
4: ESRD Network 4, Inc.	13,948	8,687	62.3%	4,633	33.2%	150	1.1%	215	1.5%	263	1.9%	1,037	7.4%	745	8.6%	227	4.9%	20	13.3%	16	7.4%	29	11.0%	317	2.3%	216	4.7%	88	0.6%	**	**	**	**	**	**					
5: Mid-Atlantic Renal Coalition	22,176	8,221	37.1%	12,788	57.7%	428	1.9%	327	1.5%	412	1.9%	1,738	7.8%	879	10.7%	733	5.7%	57	13.3%	23	7.0%	46	11.2%	493	2.2%	239	1.9%	226	1.0%	12	2.8%	**	**	**	**	11	2.7%			
6: Southeastern Kidney Council, Inc.	37,334	11,612	31.1%	24,393	65.3%	307	0.8%	394	1.1%	628	1.7%	3,736	10.0%	1,767	15.2%	1,776	7.3%	47	15.3%	47	11.9%	99	15.8%	985	2.6%	442	1.8%	505	1.4%	**	**	**	**	**	**	20	3.2%			
7: Fmqai: The Florida ESRD Network	21,703	10,880	50.1%	8,474	39.0%	289	1.3%	1,484	6.8%	576	2.7%	1,972	9.1%	1,231	11.3%	503	5.9%	46	15.9%	113	7.6%	79	13.7%	657	3.0%	389	4.6%	201	0.9%	**	**	35	2.4%	26	4.5%					
8: Network 8, Inc.	21,976	8,530	38.8%	13,011	59.2%	87	0.4%	100	0.5%	248	1.1%	2,144	9.8%	1,108	13.0%	964	7.4%	17	19.5%	16	16.0%	39	15.7%	445	2.0%	262	2.0%	172	0.8%	**	**	**	**	**	**					
9/10: The Renal Network, Inc.	43,338	26,009	60.0%	14,984	34.6%	510	1.2%	1,025	2.4%	810	1.9%	4,016	9.3%	2,897	11.1%	883	5.9%	51	10.0%	74	7.2%	111	13.7%	2,581	6.0%	1,628	10.9%	775	1.8%	51	10.0%	70	6.8%	57	7.0%					
11: Renal Network Of The Upper Midwest, Inc.	23,549	14,823	62.9%	6,873	29.2%	368	1.6%	282	1.2%	1,203	5.1%	1,803	7.7%	1,263	8.5%	378	5.5%	35	9.5%	23	8.2%	104	8.6%	553	2.3%	342	5.0%	164	0.7%	13	3.5%	**	**	**	**	28	2.3%			
12: ESRD Network #12	14,276	9,639	67.5%	3,860	27.0%	158	1.1%	278	1.9%	341	2.4%	1,608	11.3%	1,265	13.1%	252	6.5%	17	10.8%	26	9.4%	48	14.1%	535	3.7%	393	10.2%	116	0.8%	**	**	**	**	17	5.0%					
13: ESRD Network Organization #13	15,783	6,730	42.6%	7,694	48.7%	121	0.8%	190	1.2%	1,048	6.6%	1,646	10.4%	1,017	15.1%	495	6.4%	22	18.2%	23	12.1%	89	8.5%	278	1.8%	182	2.4%	67	0.4%	**	**	**	**	23	2.2%					
14: ESRD Network Of Texas, Inc.	36,370	18,209	50.1%	10,549	29.0%	572	1.6%	5,909	16.2%	1,131	3.1%	2,851	7.8%	1,558	8.6%	647	6.1%	69	12.1%	440	7.4%	137	12.1%	600	1.6%	342	3.2%	157	0.4%	**	**	71	1.2%	20	1.8%					
15: Intermountain ESRD Network, Inc.	15,571	8,844	56.8%	1,568	10.1%	478	3.1%	1,704	10.9%	2,977	19.1%	1,558	10.0%	1,035	11.7%	123	7.8%	45	9.4%	156	9.2%	199	6.7%	367	2.4%	257	16.4%	35	0.2%	13	2.7%	35	2.1%	27	0.9%					
16: Northwest Renal Network	10,361	7,315	70.6%	875	8.4%	700	6.8%	465	4.5%	1,006	9.7%	1,372	13.2%	1,035	14.1%	74	8.5%	73	10.4%	45	9.7%	145	14.4%	399	3.9%	302	34.5%	35	0.3%	18	2.6%	13	2.8%	31	3.1%					
17: Transpacific Renal Network	15,460	6,292	40.7%	2,300	14.9%	3,120	20.2%	1,826	11.8%	1,922	12.4%	1,488	9.6%	664	10.6%	166	7.2%	301	9.6%	181	9.9%	176	9.2%	443	2.9%	249	10.8%	68	0.4%	56	1.8%	36	2.0%	34	1.8%					
18: Southern California Renal Disease Council, Inc.	24,233	10,054	41.5%	3,625	15.0%	2,819	11.6%	5,918	24.4%	1,817	7.5%	2,003	8.3%	837	8.3%	244	6.7%	295	10.5%	458	7.7%	169	9.3%	368	1.5%	179	4.9%	54	0.2%	39	1.4%	64	1.1%	32	1.8%					
<b>Total</b>	<b>364,111</b>	<b>182,481</b>	<b>50.1%</b>	<b>130,371</b>	<b>35.8%</b>	<b>11,623</b>	<b>3.2%</b>	<b>23,117</b>	<b>6.3%</b>	<b>16,519</b>	<b>4.5%</b>	<b>32,165</b>	<b>8.8%</b>	<b>19,340</b>	<b>10.6%</b>	<b>8,168</b>	<b>6.3%</b>	<b>1,193</b>	<b>10.3%</b>	<b>1,831</b>	<b>7.9%</b>	<b>1,633</b>	<b>9.9%</b>	<b>9,849</b>	<b>2.7%</b>	<b>5,989</b>	<b>4.6%</b>	<b>2,822</b>	<b>0.8%</b>	<b>261</b>	<b>2.2%</b>	<b>396</b>	<b>1.7%</b>	<b>381</b>	<b>2.3%</b>					