



Distribution of Dialysis Patients Utilizing Home Modalities in 2012 by Network

Peritoneal Dialysis Utilization Varies Widely By Race and ESRD Network

- Nationally, 9.4 percent of dialysis patients received peritoneal dialysis (PD) in 2012
 - » This percentage varies by race from 11.4 percent for White dialysis patients to 8.3 percent for Hispanic dialysis patients and 6.6 percent for Black dialysis patients
- PD utilization varies widely by ESRD Network, from 5.4 percent of dialysis patients in the Transatlantic Renal Council Network to 13.3 percent of dialysis patients in the Northwest Renal Network
 - » By race and ESRD Network, the variances are even wider
 - White dialysis patients: 6.1 percent on PD in the Transatlantic Renal Council Network to 16.2 percent on PD in Network 13
 - Black dialysis patients: 3.1 percent on PD in the ESRD Network of New York to 9.9 percent on PD in the ESRD Network of New England
 - Asian dialysis patients: 6.3 percent on PD in the ESRD Network of New York to 21.4 percent on PD in Network 8
 - Hispanic dialysis patients: 4.3 percent on PD in the ESRD Network of New York to 14.0 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 11 percent less likely than average to be receiving PD

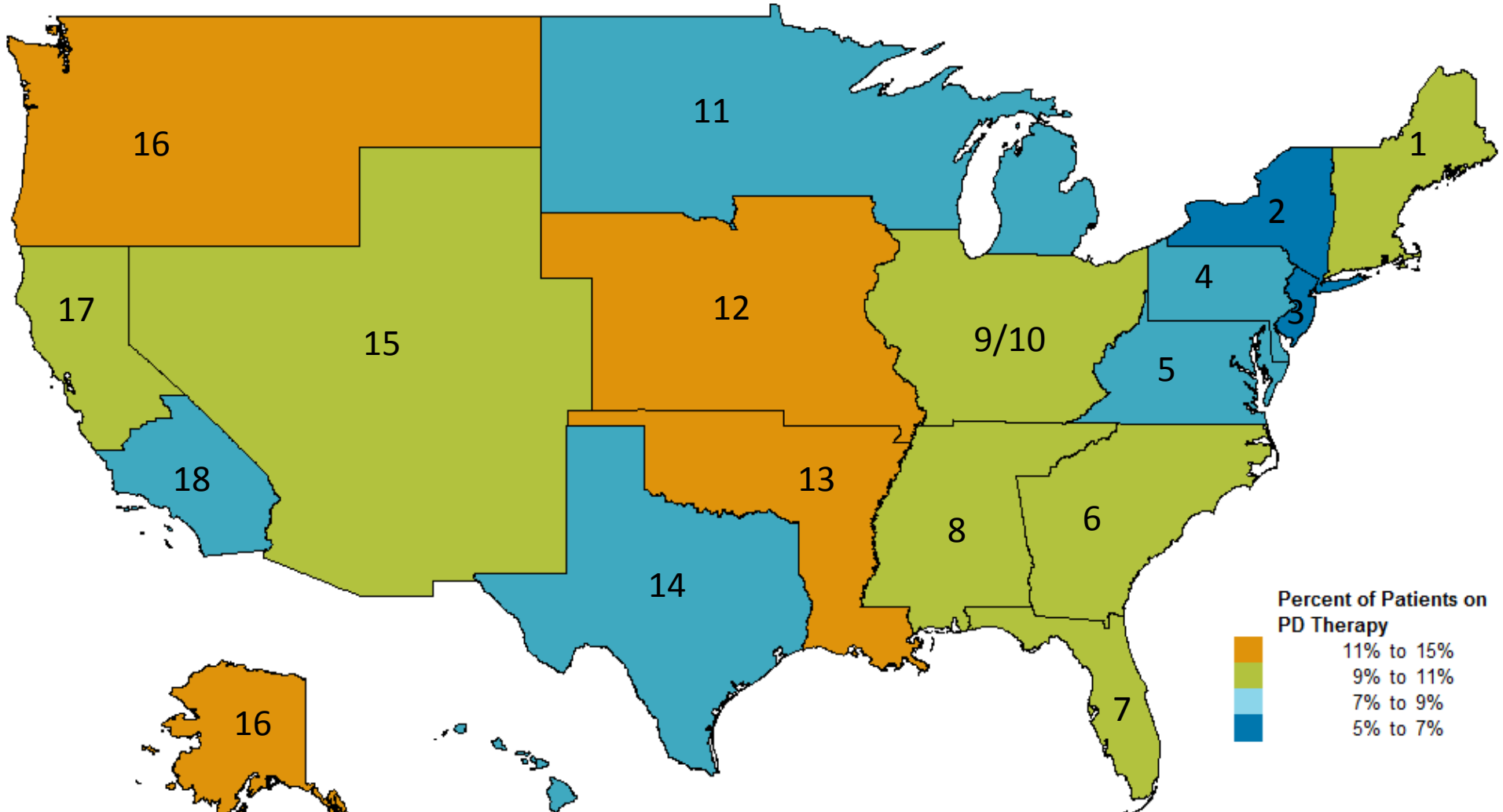
Home Hemodialysis Utilization Varies Widely By Race and ESRD Network

- Nationally, 2.9 percent of dialysis patients received home hemodialysis (HHD) in 2012
 - » This percentage varies by race from 3.5 percent for White dialysis patients to 2.3 percent for Black dialysis patients and 1.9 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 6.1 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: 1.2 percent on HHD in ESRD Network Organization 13 to 5.4 percent on HHD in The Renal Network
 - Asian dialysis patients: less than 1 percent on HHD in 10 different Networks to 10.4 percent on HHD in The Renal Network
 - Hispanic dialysis patients: less than 1 percent on HHD in 7 different Networks to 7.8 percent on HHD in The Renal Network
- Nationally, Black dialysis patients are approximately 19 percent less likely than average to be receiving HHD and Hispanic dialysis patients are approximately 33 percent less likely than average to be receiving HHD

Methodology

- Data is from the 2012 Medicare 100% Outpatient Standard Analytic File: This file contains all Medicare fee-for-service beneficiaries who received any dialysis during 2012. 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 2012

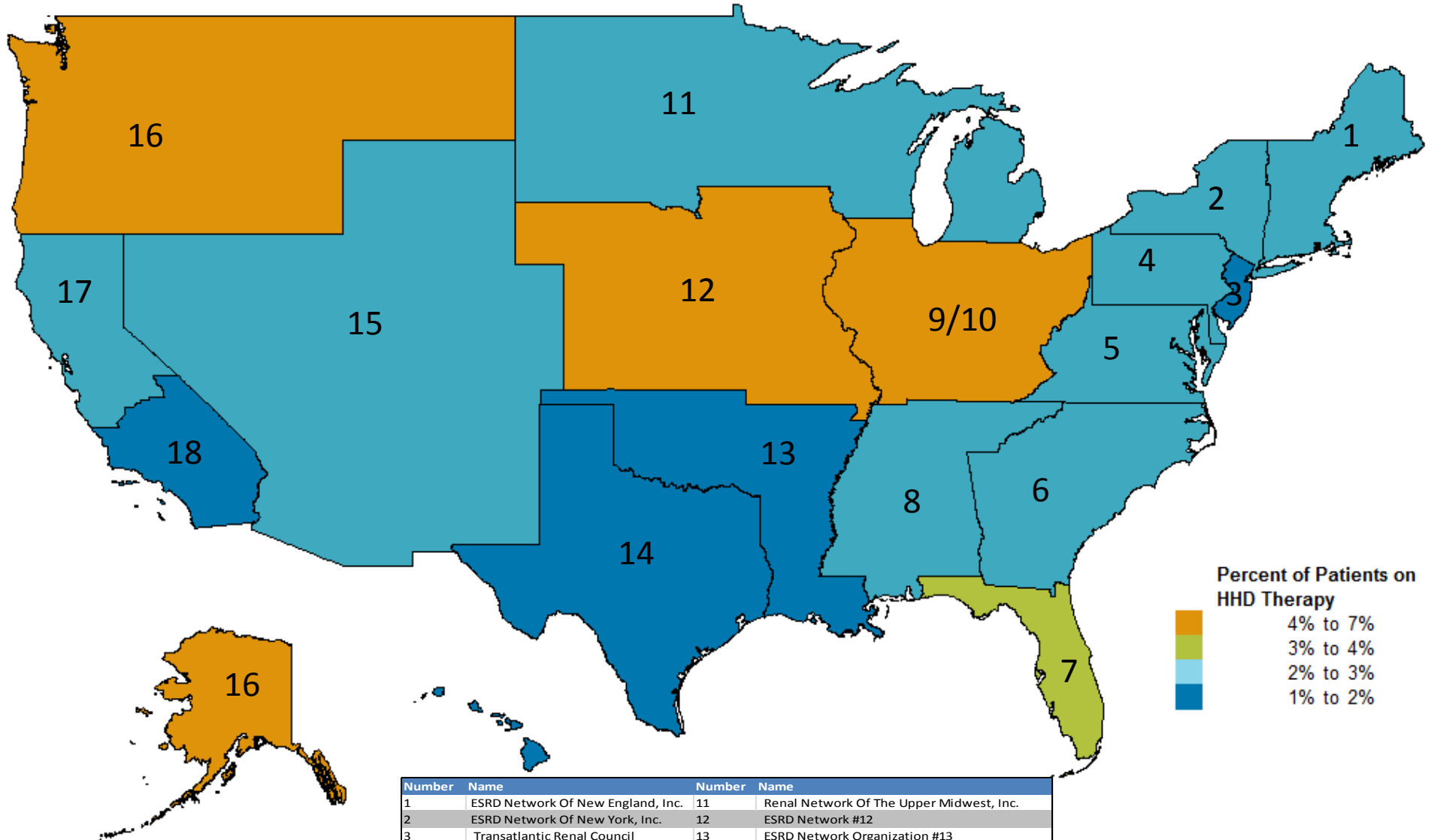


Percent of Patients on PD Therapy

- 11% to 15%
- 9% to 11%
- 7% to 9%
- 5% to 7%

| 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 2012



| 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 |
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2012 Medicare FFS Patients on Dialysis by Race and ESRD Network

Source: 2012 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. | 12,129 | 8,616 | 71.0% | 2,391 | 19.7% | 252 | 2.1% | 437 | 3.6% | 433 | 3.6% | 1,105 | 9.1% | 759 | 8.8% | 237 | 9.9% | 23 | 9.1% | 39 | 8.9% | 47 | 10.9% | 313 | 2.6% | 235 | 9.8% | 46 | 0.4% | ** | ** | 12 | 2.7% | 17 | 3.9% |
| 2: ESRD Network Of New York, Inc. | 21,362 | 10,197 | 47.7% | 7,725 | 36.2% | 878 | 4.1% | 1,371 | 6.4% | 1,191 | 5.6% | 1,218 | 5.7% | 797 | 7.8% | 239 | 3.1% | 55 | 6.3% | 59 | 4.3% | 68 | 5.7% | 452 | 2.1% | 298 | 3.9% | 108 | 0.5% | ** | ** | 14 | 1.0% | 24 | 2.0% |
| 3: Transatlantic Renal Council | 11,956 | 5,875 | 49.1% | 4,593 | 38.4% | 455 | 3.8% | 608 | 5.1% | 425 | 3.6% | 645 | 5.4% | 357 | 6.1% | 193 | 4.2% | 31 | 6.8% | 29 | 4.8% | 35 | 8.2% | 171 | 1.4% | 90 | 2.0% | 58 | 0.5% | ** | ** | ** | ** | ** | ** |
| 4: ESRD Network 4, Inc. | 14,107 | 8,666 | 61.4% | 4,775 | 33.8% | 152 | 1.1% | 229 | 1.6% | 285 | 2.0% | 1,187 | 8.4% | 852 | 9.8% | 268 | 5.6% | 18 | 11.8% | 19 | 8.3% | 30 | 10.5% | 363 | 2.6% | 239 | 5.0% | 102 | 0.7% | ** | ** | ** | ** | ** | ** |
| 5: Mid-Atlantic Renal Coalition | 22,632 | 8,330 | 36.8% | 13,036 | 57.6% | 472 | 2.1% | 355 | 1.6% | 439 | 1.9% | 1,820 | 8.0% | 929 | 11.2% | 750 | 5.8% | 59 | 12.5% | 32 | 9.0% | 50 | 11.4% | 595 | 2.6% | 305 | 2.3% | 263 | 1.2% | 12 | 2.5% | ** | ** | ** | ** |
| 6: Southeastern Kidney Council, Inc. | 38,199 | 11,758 | 30.8% | 24,983 | 65.4% | 338 | 0.9% | 436 | 1.1% | 684 | 1.8% | 4,066 | 10.6% | 1,856 | 15.8% | 1,999 | 8.0% | 53 | 15.7% | 48 | 11.0% | 110 | 16.1% | 1,092 | 2.9% | 498 | 2.0% | 551 | 1.4% | ** | ** | 12 | 2.8% | 22 | 3.2% |
| 7: Fmqqai: The Florida ESRD Network | 22,062 | 10,950 | 49.6% | 8,711 | 39.5% | 298 | 1.4% | 1,501 | 6.8% | 602 | 2.7% | 2,180 | 9.9% | 1,338 | 12.2% | 583 | 6.7% | 42 | 14.1% | 125 | 8.3% | 92 | 15.3% | 787 | 3.6% | 428 | 4.9% | 261 | 1.2% | ** | ** | 65 | 4.3% | 26 | 4.3% |
| 8: Network 8, Inc. | 22,415 | 8,694 | 38.8% | 13,258 | 59.1% | 98 | 0.4% | 93 | 0.4% | 272 | 1.2% | 2,308 | 10.3% | 1,176 | 13.5% | 1,063 | 8.0% | 21 | 21.4% | 13 | 14.0% | 35 | 12.9% | 453 | 2.0% | 265 | 2.0% | 178 | 0.8% | ** | ** | ** | ** | ** | ** |
| 9/10: The Renal Network, Inc. | 43,630 | 25,843 | 59.2% | 15,259 | 35.0% | 539 | 1.2% | 1,117 | 2.6% | 872 | 2.0% | 4,317 | 9.9% | 3,144 | 12.2% | 907 | 5.9% | 61 | 11.3% | 75 | 6.7% | 130 | 14.9% | 2,643 | 6.1% | 1,623 | 10.6% | 823 | 1.9% | 56 | 10.4% | 87 | 7.8% | 54 | 6.2% |
| 11: Renal Network Of The Upper Midwest, Inc. | 23,502 | 14,505 | 61.7% | 7,016 | 29.9% | 387 | 1.6% | 303 | 1.3% | 1,291 | 5.5% | 1,996 | 8.5% | 1,388 | 9.6% | 414 | 5.9% | 44 | 11.4% | 27 | 8.9% | 123 | 9.5% | 604 | 2.6% | 389 | 5.5% | 164 | 0.7% | 15 | 3.9% | ** | ** | ** | ** |
| 12: ESRD Network #12 | 14,208 | 9,528 | 67.1% | 3,852 | 27.1% | 160 | 1.1% | 294 | 2.1% | 374 | 2.6% | 1,749 | 12.3% | 1,382 | 14.5% | 258 | 6.7% | 25 | 15.6% | 25 | 8.5% | 59 | 15.8% | 574 | 4.0% | 440 | 11.4% | 105 | 0.7% | ** | ** | ** | ** | 19 | 5.1% |
| 13: ESRD Network Organization #13 | 16,053 | 6,719 | 41.9% | 7,892 | 49.2% | 126 | 0.8% | 226 | 1.4% | 1,090 | 6.8% | 1,790 | 11.2% | 1,089 | 16.2% | 535 | 6.8% | 26 | 20.6% | 28 | 12.4% | 112 | 10.3% | 294 | 1.8% | 169 | 2.1% | 93 | 0.6% | ** | ** | ** | ** | 24 | 2.2% |
| 14: ESRD Network Of Texas, Inc. | 37,001 | 18,337 | 49.6% | 10,697 | 28.9% | 602 | 1.6% | 6,186 | 16.7% | 1,179 | 3.2% | 3,148 | 8.5% | 1,699 | 9.3% | 733 | 6.9% | 72 | 12.0% | 487 | 7.9% | 157 | 13.3% | 659 | 1.8% | 376 | 3.5% | 168 | 0.5% | 14 | 2.3% | 70 | 1.1% | 31 | 2.6% |
| 15: Intermountain ESRD Network, Inc. | 15,872 | 8,836 | 55.7% | 1,569 | 9.9% | 518 | 3.3% | 1,852 | 11.7% | 3,097 | 19.5% | 1,742 | 11.0% | 1,146 | 13.0% | 138 | 8.8% | 48 | 9.3% | 177 | 9.6% | 233 | 7.5% | 385 | 2.4% | 270 | 17.2% | 34 | 0.2% | ** | ** | 40 | 2.2% | 36 | 1.2% |
| 16: Northwest Renal Network | 10,534 | 7,334 | 69.6% | 907 | 8.6% | 754 | 7.2% | 501 | 4.8% | 1,038 | 9.9% | 1,401 | 13.3% | 1,064 | 14.5% | 79 | 8.7% | 75 | 9.9% | 52 | 10.4% | 131 | 12.6% | 441 | 4.2% | 343 | 37.8% | 35 | 0.3% | 14 | 1.9% | 15 | 3.0% | 34 | 3.3% |
| 17: Transpacific Renal Network | 15,918 | 6,423 | 40.4% | 2,357 | 14.8% | 3,219 | 20.2% | 1,938 | 12.2% | 1,981 | 12.4% | 1,579 | 9.9% | 683 | 10.6% | 176 | 7.5% | 335 | 10.4% | 197 | 10.2% | 188 | 9.5% | 476 | 3.0% | 268 | 11.4% | 73 | 0.5% | 52 | 1.6% | 40 | 2.1% | 43 | 2.2% |
| 18: Southern California Renal Disease Council, Inc. | 24,932 | 10,188 | 40.9% | 3,673 | 14.7% | 2,930 | 11.8% | 6,248 | 25.1% | 1,893 | 7.6% | 2,156 | 8.6% | 884 | 8.7% | 249 | 6.8% | 311 | 10.6% | 507 | 8.1% | 205 | 10.8% | 396 | 1.6% | 193 | 5.3% | 54 | 0.2% | 51 | 1.7% | 69 | 1.1% | 29 | 1.5% |
| Total | 366,512 | 180,799 | 49.3% | 132,694 | 36.2% | 12,178 | 3.3% | 23,695 | 6.5% | 17,146 | 4.7% | 34,407 | 9.4% | 20,543 | 11.4% | 8,821 | 6.6% | 1,299 | 10.7% | 1,939 | 8.2% | 1,805 | 10.5% | 10,698 | 2.9% | 6,429 | 4.8% | 3,116 | 0.9% | 267 | 2.2% | 466 | 2.0% | 420 | 2.4% |