Distribution of Dialysis Patients Utilizing Home Modalities in 2012 by State

Peritoneal Dialysis Utilization Varies Widely By Race and State

- 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
- PD utilization also varies widely by state, from 3.3 percent of dialysis patients in the District of Columbia to 23.8 percent of dialysis patients in Idaho
  » By race and state, the variances even wider:
    - White dialysis patients: 4.5 percent on PD in Rhode Island to 26.3 percent on PD in Alaska
    - Black dialysis patients: 0 percent on PD in North Dakota to 12.4 percent on PD in Connecticut
    - Asian dialysis patients: 0 percent on PD in Delaware to 20.7 percent on PD in North Carolina
    - Hispanic dialysis patients: 0 percent on PD in Kentucky to 17.9 percent on PD in Arkansas
- 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 State

- 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
- HHD utilization also varies widely by state, from 0.4 percent of dialysis patients in Puerto Rico to 11.1 percent of dialysis patients in Illinois
  » By race and state, the variance is even wider:
    - White dialysis patients: 0 percent on HHD in the District of Columbia to 12.6 percent on HHD in Illinois
    - Black dialysis patients: 0 percent on HHD in 6 states to 9.5 percent on HHD in Illinois
    - Asian dialysis patients: 0 percent on HHD in 12 states to 13.7 percent on HHD in Illinois
    - Hispanic dialysis patients: 0 percent on HHD in 7 states to 9.1 percent on HHD in Illinois
- 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
Figure 2: Medicare Home Hemodialysis Patients in 2012
<table>
<thead>
<tr>
<th>All patients on dialysis</th>
<th>White</th>
<th>Black</th>
<th>Asian</th>
<th>Other</th>
<th>Total</th>
<th>% White</th>
<th>% Black</th>
<th>% Asian</th>
<th>% Other</th>
<th>100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>All patients: includes unique number of Medicare beneficiaries with at least 1 claim for any type of outpatient chronic dialysis</td>
<td>2.0%</td>
<td>49.6%</td>
<td>0%</td>
<td>12%</td>
<td>6.6%</td>
<td>161</td>
<td>2.0%</td>
<td>4,474</td>
<td>1,144</td>
<td>59</td>
</tr>
<tr>
<td>2012 Medicare FFS Patients on Dialysis by Race and State</td>
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<td><strong>State represents residence of beneficiary, not location of provider</strong></td>
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<tr>
<td><strong>Source:</strong> 2012 Medicare 100% Outpatient Standard Analytic File</td>
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