**Age-adjusted death rates by HSA, 1988-92**

**COPD**

**White male**

*ICD–9 Categories 490–496*

SOURCE: CDC/NCHS

**Age-adjusted**

<table>
<thead>
<tr>
<th>Rate per 100,000 population</th>
<th>Comparative mortality ratio (HSA to U.S.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>40.0 – 71.5</td>
<td>1.45 – 2.60</td>
</tr>
<tr>
<td>36.1 – 39.9</td>
<td>1.31 – 1.45</td>
</tr>
<tr>
<td>32.6 – 36.0</td>
<td>1.18 – 1.31</td>
</tr>
<tr>
<td>29.0 – 32.5</td>
<td>1.05 – 1.18</td>
</tr>
<tr>
<td>24.9 – 28.9</td>
<td>0.90 – 1.05</td>
</tr>
<tr>
<td>22.2 – 24.8</td>
<td>0.81 – 0.90</td>
</tr>
<tr>
<td>14.7 – 22.1</td>
<td>0.54 – 0.81</td>
</tr>
</tbody>
</table>

Hatching indicates sparse data

**Distribution of HSA rates per 100,000 population**

SOURCE: CDC/NCHS
Death rates of each HSA compared with U.S. rate

COPD White male

Source: CDC/NCHS

NOTE: Brackets indicate 95% confidence limits.
* See text

Smoothed death rates for age 40

COPD White male

Source: CDC/NCHS

Predicted regional rates for smoothed rate maps

COPD White male

Source: CDC/NCHS
Age-adjusted death rates by HSA, 1988-92

Comparative mortality ratio population (HSA to U.S.)

Source: CDC/NCHS
Death rates of each HSA compared with U.S. rate

COPD Black female

Predicted regional rates for smoothed rate maps

COPD Black female

Smoothed death rates for age 40

COPD Black female

Smoothed death rates for age 70

COPD Black female

SOURCE: CDC/NCHS

NOTE: Brackets indicate 95% confidence limits.
SOURCE: CDC/NCHS