
OREGON HOSPITAL QUALITY INDICATOR PROJECT, 2004

PNEUMONIA

What is Pneumonia?*

Pneumonia is a **serious infection that affects one or both lungs**. Most cases (70% to 80%) are acquired in the community, not in a hospital or nursing home, and develop in people over age 60 or in people who have an underlying medical condition.

See Healthwise for additional information on [pneumonia](#).

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What do these indicators mean?

Volume. In contrast with some of the surgical procedures included in this report, volume is not reported for conditions. Please refer to the background information for more information on volume indicators.

Death Rate. The pneumonia death rate is the **percent of patients admitted for pneumonia who died in the hospital**.

However, some patients are sicker or more difficult to treat, and some hospitals admit more of these complex patients than others. Each hospital's death rate is adjusted to help account for differences in these factors, but keep in mind that the adjustment is not perfect. The **adjusted death rate** is presented in the displays that follow.

The average death rate for heart failure in the United States was 8.0% in 2002. In Oregon, the death rate was 7.1% in 2004. This report uses the statewide average as the reference rate.

Margin of Error

Gray lines are displayed with each hospital rate. These lines represent the amount of random variation or "noise" in the data. If the gray line crosses the state average, the hospital rate is "within the margin of error" and therefore **not** statistically different than the state average for this procedure. The margin of error is wider for hospitals with fewer pneumonia patients.

What do the symbols mean?

The symbols on this chart tell you which differences are large enough to be considered "statistically significant," or outside the "margin of error". Statistical differences are based on the margin of errors described above.

- If a hospital's rate is significantly **lower** than the state average, it gets a plus symbol ⊕
- If a hospital's rate is significantly **higher** than the state average, it gets a cross symbol ⊗
- If a hospital's rate is statistically **neither higher nor lower** than the state average (within the margin of error), **no symbol** is shown.

Other Data and Information

The U.S. Department of Health and Human Services sponsors an information source on the web, [Hospital Compare](#). On this website, you will see how often hospitals provide some of the recommended care for a heart attack, heart failure, or pneumonia. You can search by state, county, city, or zip code at the Hospital Compare website.

Pneumonia Death Rate Oregon, 2004

The symbols on this chart tell you which differences are outside the margin of error:

⊕ Lower than the state average

⊗ Higher than the state average

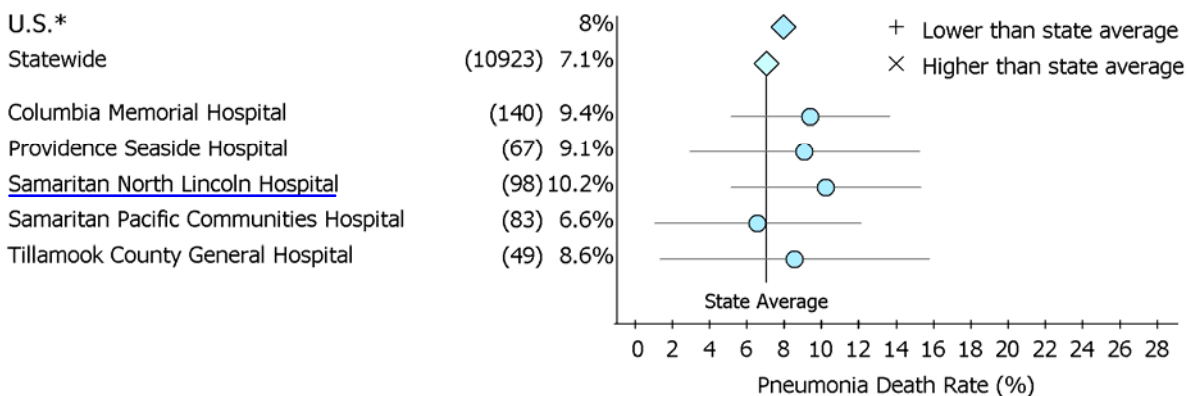
No symbol The hospital's rate is **within the margin of error** and therefore not statistically different than the state average for this condition

Additional Notes

- Number of pneumonia patients appears in parentheses. Hospitals not shown admitted fewer than 30 pneumonia patients in 2004.
- Rates have been adjusted for age, sex, and Risk of death
- Applies to adults 18 years of age and older.
- See [Technical Documentation](#) for more detail
- Hospitals that submitted additional information about their death rates are underlined; click on the hospital name to access their comments.
- Lower rates may represent better quality.

North Coast

(Clatsop, Columbia, Lincoln, Tillamook Counties)



*National rate is for 2002

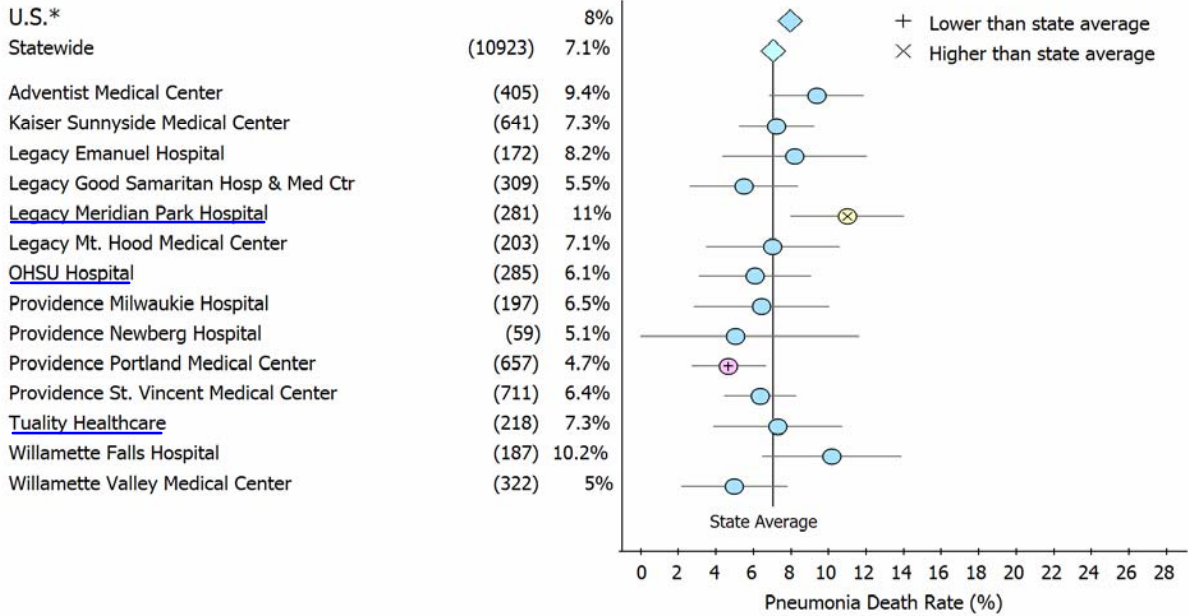
Underline indicates that hospital-submitted comments are available. Click on hospital name to access comments.

Number of cases in parentheses. Hospitals not shown had less than 30 cases in the reporting year.

Gray lines represent the margin of error (based on 95% confidence intervals)

Pneumonia Death Rate Oregon, 2004

Portland Metropolitan Area (Clackamas, Multnomah, Washington, and Yamhill Counties)



*National rate is for 2002

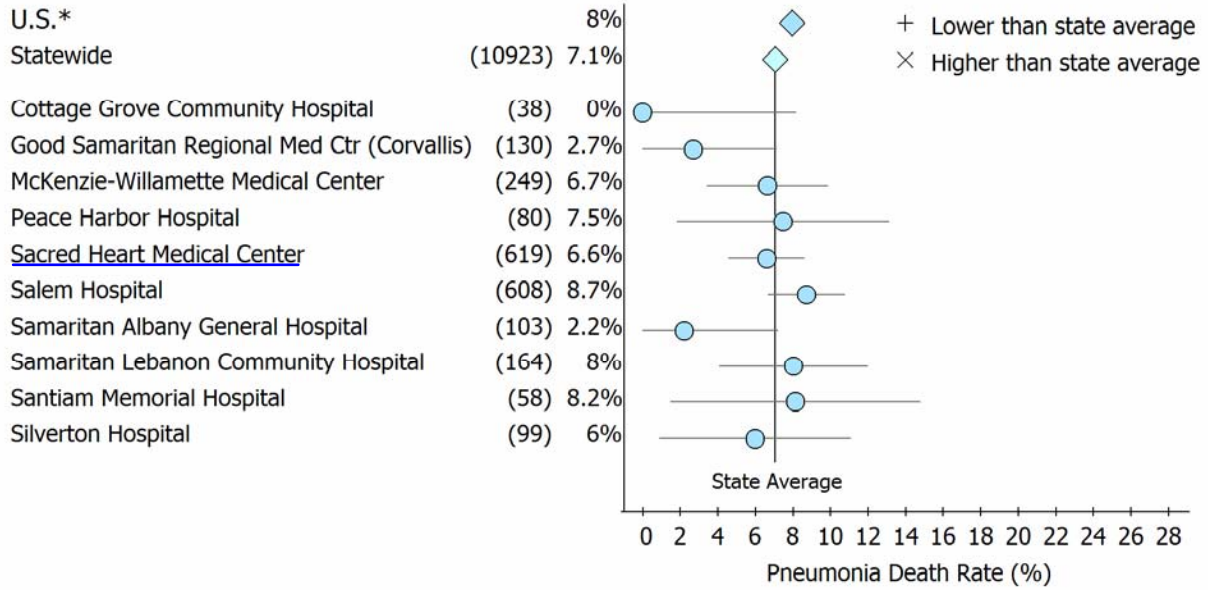
Underline indicates that hospital-submitted comments are available. Click on hospital name to access comments. Number of cases in parentheses. Hospitals not shown had less than 30 cases in the reporting year.

Gray lines represent the margin of error (based on 95% confidence intervals)

Pneumonia Death Rate Oregon, 2004

Valley

(Benton, Lane, Linn, Marion, Polk Counties)



*National rate is for 2002

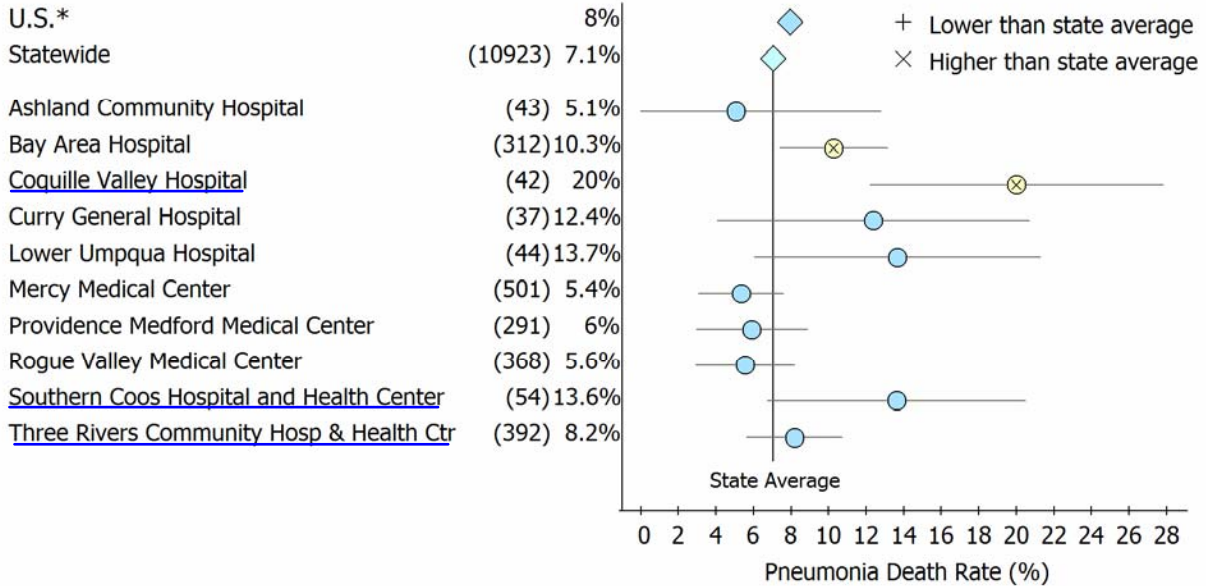
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Pneumonia Death Rate Oregon, 2004

South Coast/Southwest Oregon (Coos, Curry, Douglas, Jackson, and Josephine Counties)



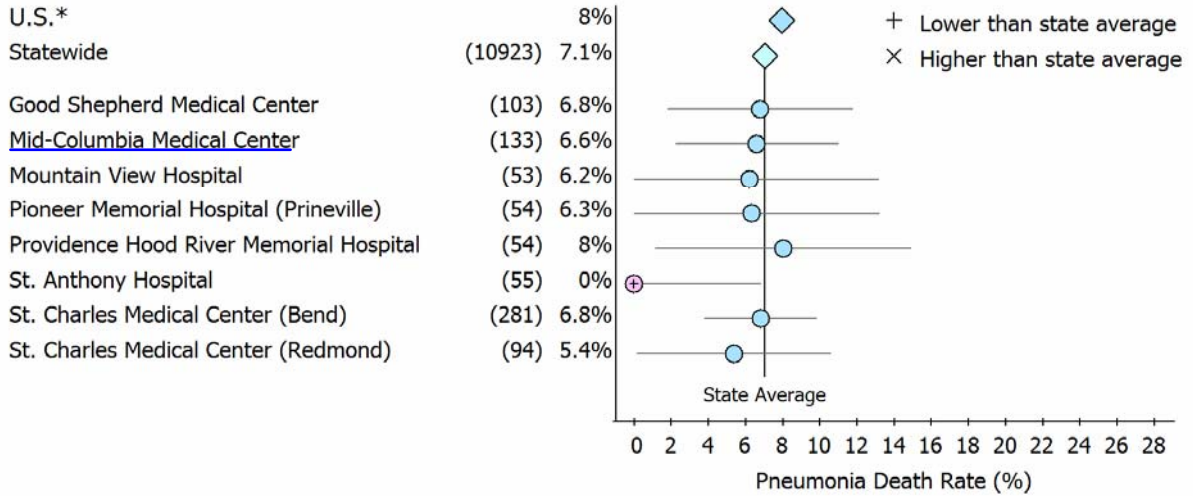
*National rate is for 2002

Underline indicates that hospital-submitted comments are available. Click on hospital name to access comments. Number of cases in parentheses. Hospitals not shown had less than 30 cases in the reporting year. Gray lines represent the margin of error (based on 95% confidence intervals)

Pneumonia Death Rate Oregon, 2004

Central Oregon/Gorge

(Crook, Deschutes, Hood River, Jefferson, Morrow, Umatilla, Wasco Counties)

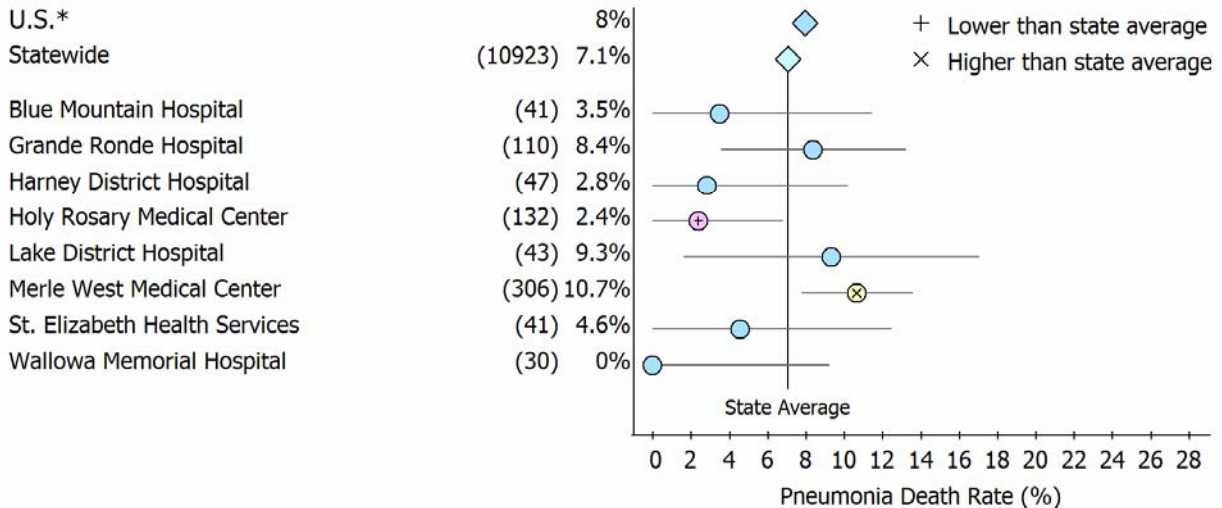


*National rate is for 2002

Underline indicates that hospital-submitted comments are available. Click on hospital name to access comments. Number of cases in parentheses. Hospitals not shown had less than 30 cases in the reporting year. Gray lines represent the margin of error (based on 95% confidence intervals)

Eastern/South Central Oregon

(Baker, Grant, Harney, Klamath, Lake, Malheur, Union, Wallowa Counties)



*National rate is for 2002

Underline indicates that hospital-submitted comments are available. Click on hospital name to access comments. Number of cases in parentheses. Hospitals not shown had less than 30 cases in the reporting year. Gray lines represent the margin of error (based on 95% confidence intervals)