

Oregon Hospital Quality Indicators 2004

Presentation to the
AHRQ QI User Meeting

September, 2005

Goals of the Project

- **Provide public reporting of evidence-based health care quality indicators**
- **Quality reporting to inform:**
 - **Consumers** – decisions regarding hospital care
 - **Business Groups** – purchasing decisions
 - **Insurers** – purchasing, pay-for-performance
 - **Providers** – quality improvement activities
- **Maximize existing resources by using readily available data**

Oregon Process

- **Joint project of the Oregon Health Policy Commission and the Office for Oregon Health Policy and Research.**
- **OHPR staff worked with the Quality and Transparency Workgroup of the Oregon Health Policy Commission, to work out clinical, communications and statistics issues.**
- **Q&T Work Group included representatives of the Oregon Association of Hospitals and Health Systems (OAHHS), Oregon Health Care Quality Corp., Oregon Health Policy Commission, OHPR staff and interested stakeholders.**

Key Issues

- **Stakeholder involvement**
- **Audience**
- **Indicator selection**
- **Risk adjustment**
- **Reference population**
- **Confidence intervals**
- **Definitional issues**
- **Hospital review and comment**

Clinical Indicators Working Group

Subset of 12 AHRQ Indicators Selected

Volume:

- **Abdominal aortic aneurysm**
- **Balloon angioplasty**
- **Carotid artery plaque removal**
- **Heart bypass surgery**
- **Pediatric heart surgery**

Death Rate:

- **Abdominal aortic aneurysm**
- **Balloon angioplasty**
- **Carotid artery plaque removal**
- **Heart attack**
- **Heart bypass surgery**
- **Stroke**
- **Pneumonia**

The Website

**Office for Oregon Health Policy and
Research**

Oregon Hospital Quality Website

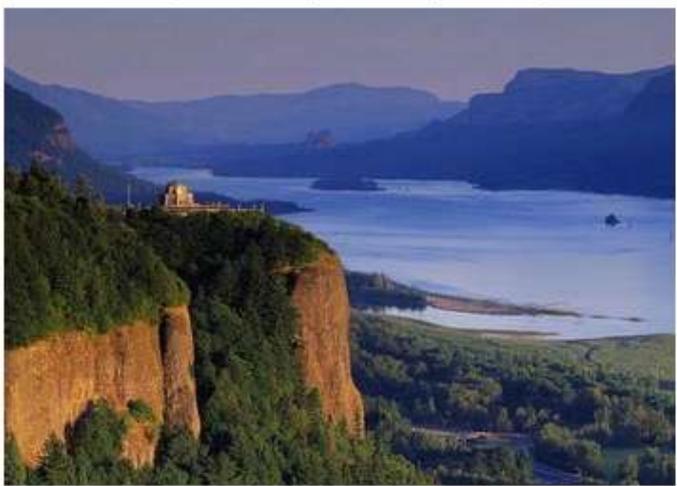
<http://oregon.gov/das/ohpr/hq>

Oregon Hospital Quality Indicators

- Departments
- Divisions
- Offices
- Boards

menu

- [About Us](#)
- [Contact Us](#)
- [Overview](#)
- [User Guide](#)
- [Hospital Reports](#)
- [Hospital Comments](#)
- [How Oregon Compares](#)
- [Technical Documents](#)
- [Online Resources](#)
- [Hospital Quality Home](#)
- [OHPR Home](#)
- [Research and Data Home](#)
- [Health Policy Comm. Home](#)



What's New

- [Press Release](#)
- [Fact Sheet](#)
- [Overview](#)
- [Hospital Reports](#)
- [How Oregon Compares](#)

This joint effort of the Oregon Health Policy Commission and OHPR is a first step in the public reporting of health care quality information to the citizens of Oregon.

This section is administered through the Office for Oregon Health Policy & Research, Bruce Goldberg, MD, Administrator

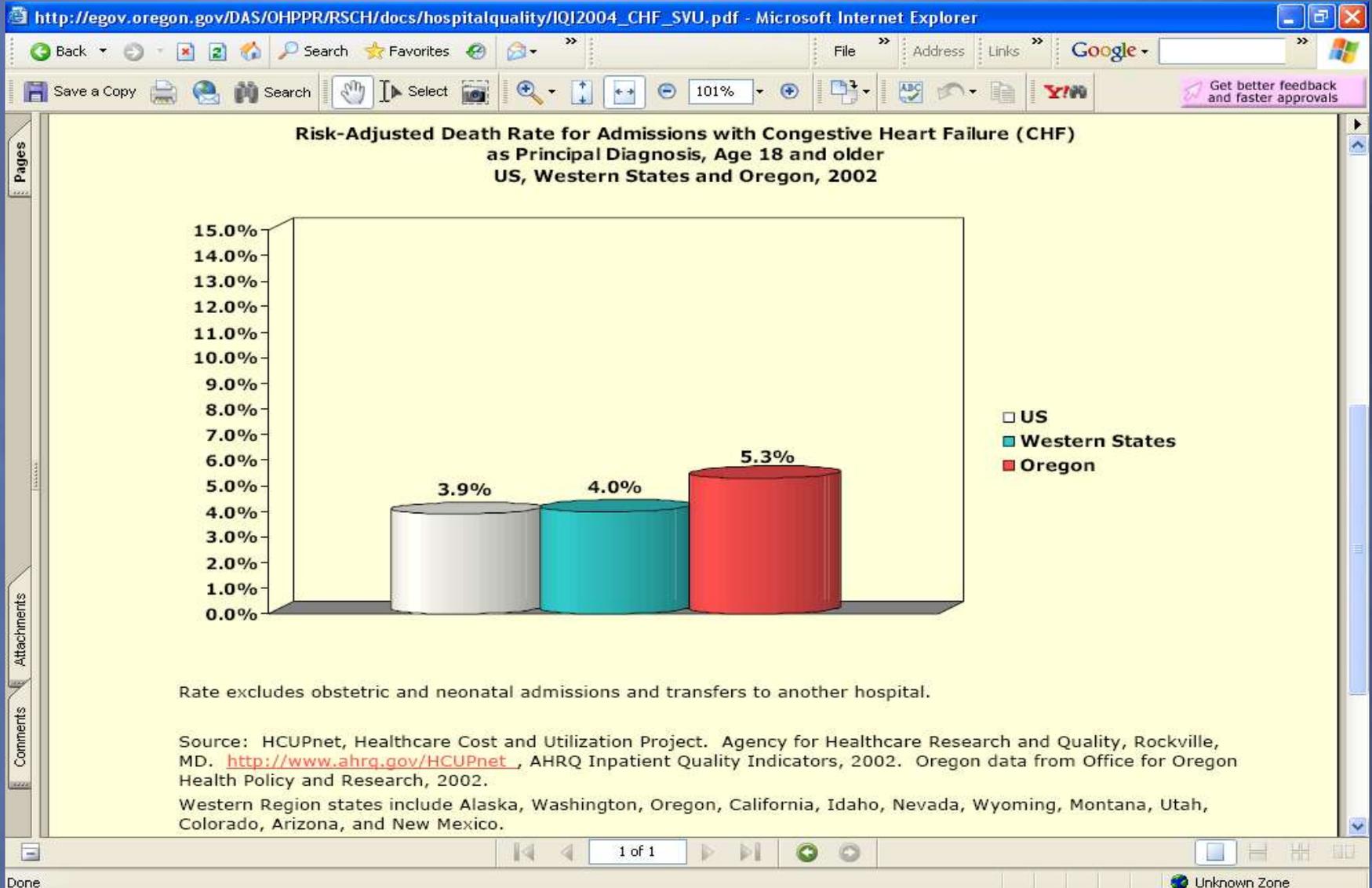
[Acknowledgements](#)

User Guide

- **The data you'll see**
- **How to read & interpret the indicator**
- **How you can use these reports**
- **Important cautions about these data**
- **A map of the Oregon regions and their hospitals**
- **Glossary of frequently used terms**

How Does Oregon Compare?

2002 National and Regional Death Rate Comparisons





Oregon Hospital Quality Indicators

- Departments
- Divisions
- Offices
- Boards

- menu
- About Us
 - Contact Us
 - Overview
 - User Guide
 - Hospital Reports
 - Hospital Comments
 - How Oregon Compares
 - Technical Documents
 - Online Resources
 - Hospital Quality Home
 - OHPR Home
 - Research and Data Home
 - Health Policy Comm. Home

Hospital Specific Reports

Heart Bypass Surgery (CABG)

Oregon 2004

What is Heart Bypass Surgery (CABG)?*

Coronary artery bypass graft (CABG) surgery creates new routes around a portion of an artery that has been narrowed or blocked by plaque buildup (atherosclerosis). The **blocked portion of the artery is bypassed** using a blood vessel taken from elsewhere in the body (usually the chest or leg). Blood is redirected through the new blood vessel, restoring blood flow to the affected portion of the heart muscle. Coronary artery bypass surgery is a common **treatment for coronary artery disease**.

See Healthwise for additional information on [CABG - Coronary Artery Disease](#) or [CABG - Heart Attack](#).

*Adapted with permission from [Healthwise](#)® Knowledgebase, © 1995-2005 Healthwise, Incorporated, P.O. Box 1989, Boise, Idaho 83701. ALL RIGHTS RESERVED

What do these indicators mean?

Volume. The **number of patients** who had a coronary artery bypass graft (CABG) is displayed as the **volume**. CABG is highly specialized, and staff at hospitals that perform more of these surgeries may be more familiar with possible complications that can occur. Therefore, **performing more of these surgeries may lead to better outcomes**. Volume is not a direct measure of the quality of care, but is useful in gauging how much experience a particular hospital has for this procedure.

Research indicates that performing **at least 200 surgeries per year** may lead to better patient outcomes. [In Oregon, eleven hospitals performed at least one CABG in 2004, and seven hospitals performed 200 or more.](#)

Death Rate. The CABG death rate is the **percent of patients admitted for CABG 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 CABG in the United States was 2.9% in 2002. [In Oregon, the death rate was 3.4% in 2004.](#) This report uses the statewide average as the reference rate.

Margin of Error

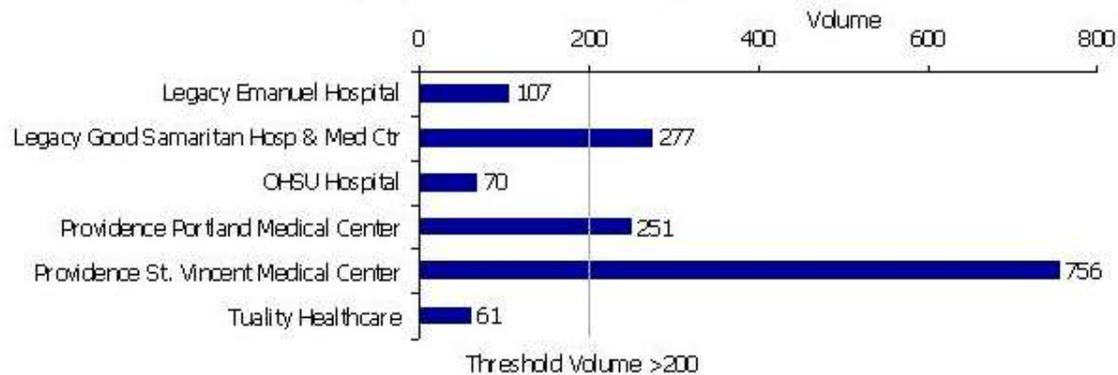
CABG Volume

Oregon 2004

Notes

- Hospitals not shown performed fewer than 5 of these procedures in 2004.
- Applies to adults 40 years of age and older.
- Statewide Coronary Artery Bypass Graft (CABG) volume was 3,253 in 2004
- See [Technical Documentation](#) for more detail
- Hospitals that submitted additional information about their volume are listed below each graph; click on the hospital name to access their comments.
- The Agency for Healthcare Research and Quality indicates that performing more than 200 cases per year may lead to better outcomes.

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



The following hospitals have provided comments regarding these figures:

- [OHSU](#)
- [Tuality Healthcare](#)

Hospitals not shown had fewer than 5 cases in the reporting year.

CABG 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 CABG's performed appear in parentheses. Hospitals not shown performed fewer than 30 of these procedures in 2004.
- Rates have been adjusted for age, sex, and risk of death
- Applies to adults 40 years and older.
- See [Technical Documentation](#) for more detail
- Hospitals that submitted additional information about their death rates are listed below each graph; click on the hospital name to access their comments.
- [Lower rates](#) may represent [better](#) quality.

Portland Metropolitan Area

(Clackamas, Multnomah, Washington, and Yamhill Counties)

U.S.*

2.9%

Statewide

(3248) 3.4%

Legacy Emanuel Hospital

(107) 2.3%

Legacy Good Samaritan Hosp & Med Ctr

(277) 6.8%

OHSU Hospital

(70) 4%

Providence Portland Medical Center

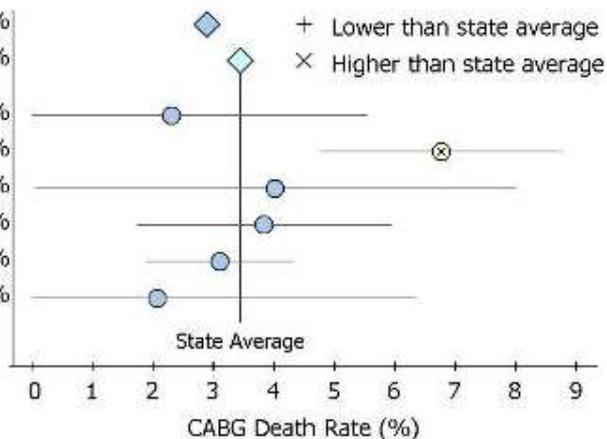
(250) 3.8%

Providence St. Vincent Medical Center

(753) 3.1%

Tuality Healthcare

(60) 2.1%



Contact Information

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