

## Executive Summary

With the release of “Community-Acquired Pneumonia: Hospital Outcomes in California, 2003-2005,” the Office of Statewide Health Planning and Development (OSHPD) provides the third report on community-acquired pneumonia (CAP) outcomes for California hospitals. The report is based on analysis of Patient Discharge Data (PDD) records submitted to OSHPD by California-licensed acute care hospitals. The CAP patients were admitted to the hospital between January 2003 and November 2005.

The quality of hospital performance was assessed by comparing each hospital’s risk-adjusted death rate (RADR) for CAP patients with the statewide rate. Taking into account patients’ severity of illness prior to admission allows a fair comparison of each hospital’s death rate with the statewide rate and with other hospitals.

In previous CAP reports issued by OSHPD, quality ratings of hospital performance were based on the results of two risk-adjustment models; one included “Do Not Resuscitate” (DNR) orders as a risk factor and the other did not. Hospitals were rated “better than expected” if they had significantly lower death rates using both models or “worse than expected” if their death rates were significantly higher using both models.

In this report, DNR was not included as a risk factor (see section “Changes to 2003-2005 CAP Report”). Hospitals were rated as “better than expected” or “worse than expected” based on the results of a single risk-adjustment model that did not include DNR. This method for comparing risk-adjusted hospital death rates to the statewide rate was less restrictive. As a result, a larger number of hospitals were rated “better than expected” (48) and “worse than expected” (47) than in previous reports.

Key findings for this report:

Between January 2003 and November 2005, a total of 208,837 patients (age 18 and above) were admitted to California hospitals with a diagnosis of community-acquired pneumonia. Within 30 days of admission 25,389 of these patients (12.2%) died either in the hospital or following discharge.

- A total of 384 hospitals reported CAP cases for this time period. Of these, 30 hospitals had fewer than 30 CAP cases and were excluded from the analysis. Quality ratings were calculated for the remaining 354 hospitals, and their risk-adjusted death rates (RADRs) ranged from 5.4% to 21.9%.
- For the 48 hospitals rated “better than expected,” the average risk-adjusted death rate was 8.2%. Rates ranged from 5.4% to 10.3%. For the 47 hospitals rated “worse than expected,” the average adjusted death rate was more than twice as high at 16.7%. The risk-adjusted death rate for these hospitals ranged from 14.0% to 21.9%.
- Respiratory failure at the time of hospital admission proved the strongest predictor of death for these patients, increasing the risk of dying five-fold. Patients with lung cancer or septicemia had a death rate three times higher. For patients with certain cancers or blood coagulation problems, the rate was nearly twice as high.

Such a large disparity in patient outcomes, after accounting for the severity of illness in each hospital’s patients, suggests that there were important differences in the clinical practices of these two groups of hospitals.

All hospitals caring for CAP patients should implement the “best practices” guidelines supported by the medical community. Hospitals with poor outcomes should review their clinical practices to identify and correct shortcomings.

The hospitals with “better than expected” and “worse than expected” death rates for CAP patients are as follows:

<b>Hospitals with "Better than Expected" (Lower) Death Rates</b>	<b>Hospitals with "Worse than Expected" (Higher) Death Rates</b>
Alhambra Hospital	Anaheim General Hospital
Alta Bates Summit Med Center – Summit Campus-Hawthorne	Anaheim Memorial Medical Center
Beverly Hospital	Bakersfield Memorial Hospital – 34th Street
California Pacific Med Center – Pacific Campus	Coast Plaza Doctors Hospital
Cedars Sinai Medical Center	Community Medical Center – Clovis
Community And Mission Hospital of Huntington Park – Slauson	Community Medical Center – Fresno
Daniel Freeman Memorial Hospital	Corona Regional Medical Center-Main
East Los Angeles Doctors Hospital	Dameron Hospital
El Camino Hospital	Desert Regional Medical Center
Feather River Hospital	Emanuel Medical Center, Inc.
Fountain Valley Regional Hosp and Med Center-Euclid	Fairchild Medical Center
Garfield Medical Center	Hemet Valley Medical Center
Glendale Adventist Medical Center – Wilson Terrace	Kaiser Foundation Hosp – Oakland Campus
Glendale Memorial Hospital and Health Center	Kaiser Foundation Hosp – Panorama City
Good Samaritan Hospital – Los Angeles	Kaiser Foundation Hosp – Riverside
Henry Mayo Newhall Memorial Hospital	Kaiser Foundation Hosp – Sacramento
John Muir Medical Center	Kaiser Foundation Hosp – Santa Clara
Los Robles Regional Medical Center	Kaiser Foundation Hosp – South Sacramento
Mark Twain St. Joseph's Hospital	Kaiser Foundation Hosp – Valley Medical Center
Marshall Medical Center (1-RH)	Kaiser Foundation Hosp – Walnut Creek
Monterey Park Hospital	Kern Medical Center
Mt. Diablo Medical Center	Loma Linda University Medical Center
O'Connor Hospital – San Jose	Madera Community Hospital
Oroville Hospital	Memorial Hospital Medical Center – Modesto
Paradise Valley Hospital	Mercy Hospital – Bakersfield
Providence Holy Cross Medical Center	Mercy Hospital – Folsom
Queen of Angels Hollywood Presbyterian Med Center	Orange Coast Memorial Medical Center
San Clemente Hospital and Medical Center	Pacifica Hospital of the Valley
San Ramon Regional Medical Center	Palomar Medical Center
Santa Monica – UCLA Medical Center	Parkview Community Hospital Medical Center
Scripps Memorial Hospital – Chula Vista	Pioneers Memorial Hospital
Scripps Memorial Hospital – Encinitas	Placentia Linda Hospital
Scripps Memorial Hospital – La Jolla	Pomerado Hospital
Sharp Chula Vista Medical Center	Redlands Community Hospital
Simi Valley Hospital and Health Care Services-Sycamore	Riverside County Regional Medical Center
Sonora Regional Medical Center	San Geronio Memorial Hospital

<b>Hospitals with "Better than Expected" (Lower) Death Rates, Continued</b>	<b>Hospitals with "Worse than Expected" (Higher) Death Rates, Continued</b>
St. Helena Hospital	San Joaquin General Hospital
St. John's Hospital and Health Center – Santa Monica	Sierra View District Hospital
St. John's Regional Medical Center – Oxnard	St. Bernardino Medical Center
St. Louise Regional Hospital	St. Joseph Hospital – Eureka
St. Rose Hospital	St. Joseph Hospital – Orange
St. Vincent Medical Center	Stanford Hospital – Palo Alto
Tri-City Regional Medical Center	Torrance Memorial Medical Center
University of California – Irvine Medical Center	Tri-City Medical Center
University of California – San Diego Medical Center	University Medical Center – Fresno
Washington Hospital – Fremont	Victor Valley Community Hospital
West Hills Hospital and Medical Center	Woodland Memorial Hospital
White Memorial Medical Center	

Note: Of the 48 hospitals rated as top performers in this report, 20 (42%) were also top performers in the prior report. Of the 47 hospitals that performed poorly in this report, 23 (49%) were poor performers in the prior CAP report. Since this report includes two years of data from the prior report (2002-2004) we would expect some overlap in hospital performance across reports. There were no hospitals that changed from “better” in the prior report to “worse” in this report or vice versa.