Supplementary Online Content


**eTable 1.** Characteristics of US Hospitals With a Neonatal Intensive Care Unit

**eTable 2.** Odds Ratios Estimating the Association of Hospital RNE Status, NICU and Hospital Variables With VLBW Infant Outcomes Among Infants With Gestational Age Less Than 24 Weeks at Birth

**eTable 3.** Odds Ratios Estimating the Association of Hospital RNE Status, NICU and Hospital Variables With VLBW Infant Outcomes Among Infants With Birth Weight 501-1000 Grams

**eTable 4.** Odds Ratios Estimating the Association of Hospital RNE Status, NICU and Hospital Variables With VLBW Infant Outcomes Among Infants With Birth Weight Greater Than 1000 Grams

**eTable 5.** Participating Hospitals

This supplementary material has been provided by the authors to give readers additional information about their work.
### Table 1. Characteristics of US Hospitals With a Neonatal Intensive Care Unit

<table>
<thead>
<tr>
<th>Hospital Characteristics</th>
<th>Total (N = 890)</th>
<th>RNE (n = 168)</th>
<th>Non-RNE (n = 722)</th>
<th>P Valueb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital ownership</td>
<td></td>
<td></td>
<td></td>
<td>.00</td>
</tr>
<tr>
<td>Public</td>
<td>133 (15)</td>
<td>16 (10)</td>
<td>117 (16)</td>
<td></td>
</tr>
<tr>
<td>For-profit</td>
<td>125 (14)</td>
<td>5 (3)</td>
<td>120 (17)</td>
<td></td>
</tr>
<tr>
<td>Not-for-profit</td>
<td>632 (71)</td>
<td>147 (88)</td>
<td>485 (67)</td>
<td></td>
</tr>
<tr>
<td>Member, Council of Teaching Hospitals (n=241)</td>
<td>241 (27)</td>
<td>81 (48)</td>
<td>160 (22)</td>
<td>.00</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hospital Nursing Characteristics</th>
<th>Total (N = 890)</th>
<th>RNE (n = 168)</th>
<th>Non-RNE (n = 722)</th>
<th>P Valueb</th>
</tr>
</thead>
<tbody>
<tr>
<td>RNE Hospital (n= 168)</td>
<td>168 (19)</td>
<td>168 (100)</td>
<td>0 (0)</td>
<td>n/a</td>
</tr>
<tr>
<td>Registered nurse hours per adjusted patient day, mean (SD)c</td>
<td>9.4 (4.1)</td>
<td>10.5 (2.9)</td>
<td>9.1 (4.3)</td>
<td>.00</td>
</tr>
</tbody>
</table>

Abbreviation: RNE (recognized for nursing excellence).

aData are expressed as No. (%) of participants unless otherwise indicated.

bThe chi-square test was used for comparison of categorical variables and the unpaired 2-tailed t test for continuous variables.

cCalculated by the authors from the 2008 American Hospital Association Annual Hospital Survey.
Table 2. Odds Ratios Estimating the Association of Hospital RNE Status, NICU and Hospital Variables With VLBW Infant Outcomes Among Infants With Gestational Age Less Than 24 Weeks at Birth

<table>
<thead>
<tr>
<th>VLBW Infant Outcomes</th>
<th>Odds Ratio (95% Confidence Interval)</th>
<th>Unadjusted</th>
<th>P Value</th>
<th>Adjusted for Patient Characteristics</th>
<th>P Value</th>
<th>Adjusted for Patient, NICU, and Hospital Characteristics</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mortality</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Within 7 days</td>
<td>0.99 (0.77-1.28)</td>
<td>0.95</td>
<td>0.90 (0.71-1.15)</td>
<td>0.41</td>
<td>0.94 (0.73-1.20)</td>
<td>0.60</td>
<td></td>
</tr>
<tr>
<td>Within 28 days</td>
<td>1.04 (0.82-1.33)</td>
<td>0.73</td>
<td>0.97 (0.77-1.22)</td>
<td>0.78</td>
<td>1.04 (0.82-1.32)</td>
<td>0.76</td>
<td></td>
</tr>
<tr>
<td>Before discharge</td>
<td>1.03 (0.81-1.32)</td>
<td>0.80</td>
<td>0.99 (0.79-1.25)</td>
<td>0.94</td>
<td>1.05 (0.83-1.33)</td>
<td>0.70</td>
<td></td>
</tr>
<tr>
<td>Morbidity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nosocomial infection</td>
<td>0.90 (0.68-1.20)</td>
<td>0.48</td>
<td>0.92 (0.70-1.22)</td>
<td>0.57</td>
<td>0.86 (0.65-1.16)</td>
<td>0.32</td>
<td></td>
</tr>
<tr>
<td>SIVH</td>
<td>0.87 (0.69-1.10)</td>
<td>0.25</td>
<td>0.85 (0.67-1.08)</td>
<td>0.19</td>
<td>0.90 (0.71-1.15)</td>
<td>0.40</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations: NICU, neonatal intensive care unit; VLBW, very low birth weight; SIVH, severe intraventricular hemorrhage. Odds ratios and confidence intervals were derived from random-effects logistic regression models. All models control for year of birth. Infant risk adjusters were gestational age, gestational age squared, 1-minute Apgar score, small for gestational age, multiple birth, congenital malformation, vaginal delivery, prenatal care, race, and sex. NICU characteristics were adjusted for volume of VLBW infants and level of care. Hospital characteristics were adjusted for hospital ownership and membership in the Council of Teaching Hospitals. Number of cases: 2,099 for SIVH; 1,885 for nosocomial infection; and 3,856 to 3,857 for mortality measures.
Table 3. Odds Ratios Estimating the Association of Hospital RNE Status, NICU and Hospital Variables With VLBW Infant Outcomes Among Infants With Birth Weight 501-1000 Grams

<table>
<thead>
<tr>
<th>VLBW Infant Outcomes</th>
<th>Odds Ratio (95% Confidence Interval)</th>
<th>Unadjusted</th>
<th>P Value</th>
<th>Adjusted for Patient Characteristics</th>
<th>P Value</th>
<th>Adjusted for Patient, NICU, and Hospital Characteristics</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mortality</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Within 7 Days</td>
<td>0.94 (0.83-1.07)</td>
<td>0.36</td>
<td></td>
<td>0.83 (0.72-0.96)</td>
<td>0.01</td>
<td>0.87 (0.75-0.99)</td>
<td>0.05</td>
</tr>
<tr>
<td>Within 28 Days</td>
<td>0.94 (0.84-1.04)</td>
<td>0.22</td>
<td></td>
<td>0.85 (0.75-0.96)</td>
<td>0.01</td>
<td>0.89 (0.78-1.01)</td>
<td>0.07</td>
</tr>
<tr>
<td>Before Discharge</td>
<td>0.93 (0.84-1.02)</td>
<td>0.13</td>
<td></td>
<td>0.86 (0.76-0.97)</td>
<td>0.01</td>
<td>0.90 (0.80-1.01)</td>
<td>0.07</td>
</tr>
<tr>
<td>Morbidity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nosocomial Infection</td>
<td>0.90 (0.78-1.03)</td>
<td>0.12</td>
<td></td>
<td>0.90 (0.78-1.04)</td>
<td>0.17</td>
<td>0.87 (0.75-1.01)</td>
<td>0.07</td>
</tr>
<tr>
<td>SIVH</td>
<td>0.87 (0.77-0.98)</td>
<td>0.03</td>
<td></td>
<td>0.82 (0.71-0.93)</td>
<td>0.003</td>
<td>0.85 (0.74-0.98)</td>
<td>0.02</td>
</tr>
</tbody>
</table>

Abbreviations: NICU, neonatal intensive care unit; VLBW, very low birth weight; SIVH, severe intraventricular hemorrhage. Odds ratios and confidence intervals were derived from random-effects logistic regression models. All models control for year of birth. Infant risk adjusters were gestational age, gestational age squared, 1-minute Apgar score, small for gestational age, multiple birth, congenital malformation, vaginal delivery, prenatal care, race, and sex. NICU characteristics were adjusted for volume of VLBW infants and level of care. Hospital characteristics were adjusted for hospital ownership and membership in the Council of Teaching Hospitals. Number of cases: 26,345 for SIVH; 26,059 for nosocomial infection; and 30,118 to 30,128 for mortality measures.
**eTable 4. Odds Ratios Estimating the Association of Hospital RNE Status, NICU and Hospital Variables With VLBW Infant Outcomes Among Infants With Birth Weight Greater Than 1000 Grams**

<table>
<thead>
<tr>
<th>VLBW Infant Outcomes</th>
<th>Odds Ratio (95% Confidence Interval)</th>
<th>Unadjusted</th>
<th>P Value</th>
<th>Adjusted for Patient Characteristics</th>
<th>P Value</th>
<th>Adjusted for Patient, NICU, and Hospital Characteristics</th>
<th>P Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mortality</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Within 7 days</td>
<td>0.99 (0.83-1.18)</td>
<td>0.89</td>
<td>0.86 (0.69-1.07)</td>
<td>0.18</td>
<td>0.87 (0.69-1.09)</td>
<td>0.23</td>
<td></td>
</tr>
<tr>
<td>Within 28 days</td>
<td>1.02 (0.89-1.18)</td>
<td>0.74</td>
<td>0.94 (0.80-1.10)</td>
<td>0.45</td>
<td>0.94 (0.79-1.11)</td>
<td>0.46</td>
<td></td>
</tr>
<tr>
<td>Before discharge</td>
<td>0.99 (0.88-1.13)</td>
<td>0.93</td>
<td>0.91 (0.78-1.06)</td>
<td>0.23</td>
<td>0.91 (0.78-1.07)</td>
<td>0.24</td>
<td></td>
</tr>
<tr>
<td><strong>Morbidity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nosocomial infection</td>
<td>0.84 (0.72-0.99)</td>
<td>0.04</td>
<td>0.83 (0.70-0.98)</td>
<td>0.03</td>
<td>0.84 (0.71-1.00)</td>
<td>0.05</td>
<td></td>
</tr>
<tr>
<td>SIVH</td>
<td>0.96 (0.80-1.14)</td>
<td>0.63</td>
<td>0.90 (0.74-1.08)</td>
<td>0.26</td>
<td>0.94 (0.77-1.14)</td>
<td>0.51</td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations: NICU, neonatal intensive care unit; VLBW, very low birth weight; SIVH, severe intraventricular hemorrhage.

Odds ratios and confidence intervals were derived from random-effects logistic regression models. All models control for year of birth. Infant risk adjusters were gestational age, gestational age squared, 1-minute Apgar score, small for gestational age, multiple birth, congenital malformation, vaginal delivery, prenatal care, race, and sex. NICU characteristics were adjusted for volume of VLBW infants and level of care. Hospital characteristics were adjusted for hospital ownership and membership in the Council of Teaching Hospitals. Number of cases: 36,784 for SIVH; 40,027 for nosocomial infection; and 41,236 to 41,245 for mortality measures.
eTable 5. Participating Hospitals

<table>
<thead>
<tr>
<th>Hospital Name</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abington Memorial Hospital, Abington, Pennsylvania</td>
<td></td>
</tr>
<tr>
<td>Adventist Hinsdale Hospital, Hinsdale, Illinois</td>
<td></td>
</tr>
<tr>
<td>Advocate Good Samaritan Hospital, Downers Grove, Illinois</td>
<td></td>
</tr>
<tr>
<td>Advocate Lutheran General Hospital, Park Ridge, Illinois</td>
<td></td>
</tr>
<tr>
<td>Affinity NICU - St. Elizabeth Hospital, Appleton, Wisconsin</td>
<td></td>
</tr>
<tr>
<td>Akron Children's S.C.N. at St. Elizabeth, Youngstown, Ohio</td>
<td></td>
</tr>
<tr>
<td>Albany Medical Center, Albany, New York</td>
<td></td>
</tr>
<tr>
<td>Albert Einstein Medical Center, Philadelphia, Pennsylvania</td>
<td></td>
</tr>
<tr>
<td>Alegent Health Bergen Mercy Medical Center, Omaha, Nebraska</td>
<td></td>
</tr>
<tr>
<td>All Children's at Sarasota Memorial, Sarasota, Florida</td>
<td></td>
</tr>
<tr>
<td>Allentown's Neonatal Intensive Care, Allentown, Pennsylvania</td>
<td></td>
</tr>
<tr>
<td>Anaheim Memorial Medical Center, Anaheim, California</td>
<td></td>
</tr>
<tr>
<td>Anne Arundel Medical Center, Annapolis, Maryland</td>
<td></td>
</tr>
<tr>
<td>Antelope Valley Hospital, Lancaster, California</td>
<td></td>
</tr>
<tr>
<td>Arnot Ogden Medical Center, Elmira, New York</td>
<td></td>
</tr>
<tr>
<td>Arrowhead Regional Medical Center, Colton, California</td>
<td></td>
</tr>
<tr>
<td>Aspirus Wausau Hospital, Wausau, Wisconsin</td>
<td></td>
</tr>
<tr>
<td>Athens Regional Medical Center, Athens, Georgia</td>
<td></td>
</tr>
<tr>
<td>Aultman Hospital, Canton, Ohio</td>
<td></td>
</tr>
<tr>
<td>Aurora Baycare Medical Center, Green Bay, Wisconsin</td>
<td></td>
</tr>
<tr>
<td>Aurora Sinai Medical Center, Milwaukee, Wisconsin</td>
<td></td>
</tr>
<tr>
<td>Aurora Women's Pavilion, West Allis, Wisconsin</td>
<td></td>
</tr>
<tr>
<td>Avera McKennan, Sioux Falls, South Dakota</td>
<td></td>
</tr>
<tr>
<td>Bakersfield Memorial Hospital, Bakersfield, California</td>
<td></td>
</tr>
<tr>
<td>Ball Memorial Hospital, Muncie, Indiana</td>
<td></td>
</tr>
<tr>
<td>Banner Estrella Medical Center, Phoenix, Arizona</td>
<td></td>
</tr>
<tr>
<td>Banner Thunderbird Medical Center, Glendale, Arizona</td>
<td></td>
</tr>
<tr>
<td>Baptist Children's Hospital, Miami, Florida</td>
<td></td>
</tr>
<tr>
<td>Baptist Healthcare System, San Antonio, Texas</td>
<td></td>
</tr>
<tr>
<td>Baptist Medical Center South, Montgomery, Alabama</td>
<td></td>
</tr>
<tr>
<td>Baptist Memorial Hospital for Women, Memphis, Tennessee</td>
<td></td>
</tr>
<tr>
<td>Baptist St. Anthony's Health System, Amarillo, Texas</td>
<td></td>
</tr>
<tr>
<td>Barbara Bush Children's at Maine Medical, Portland, Maine</td>
<td></td>
</tr>
<tr>
<td>Baylor All Saints Medical Center, Fort Worth, Texas</td>
<td></td>
</tr>
<tr>
<td>Baylor Healthcare System, Dallas, Texas</td>
<td></td>
</tr>
<tr>
<td>Baystate Medical Center, Springfield, Massachusetts</td>
<td></td>
</tr>
<tr>
<td>Bellevue Hospital, New York, New York</td>
<td></td>
</tr>
<tr>
<td>Benefis Healthcare, Great Falls, Montana</td>
<td></td>
</tr>
<tr>
<td>Beth Israel Deaconess Medical Center, Boston, Massachusetts</td>
<td></td>
</tr>
<tr>
<td>Billings Clinic, Billings, Montana</td>
<td></td>
</tr>
<tr>
<td>Blank Children's Hospital, Des Moines, Iowa</td>
<td></td>
</tr>
<tr>
<td>Boekelheide NICU at Sanford Health, Sioux Falls, South Dakota</td>
<td></td>
</tr>
<tr>
<td>Bon Secours Richmond Health System, Richmond, Virginia</td>
<td></td>
</tr>
<tr>
<td>Boston Medical Center, Boston, Massachusetts</td>
<td></td>
</tr>
<tr>
<td>Brandon Regional Hospital, Brandon, Florida</td>
<td></td>
</tr>
</tbody>
</table>
Brenner Children's Hospital at WFUBMC, Winston-Salem, North Carolina
Brigham and Women's Hospital, Boston, Massachusetts
Brookdale Hospital Medical Center, Brooklyn, New York
Brooklyn Hospital Center, The, Brooklyn, New York
Brookwood Medical Center, Birmingham, Alabama
Broward General Medical Center, Fort Lauderdale, Florida
Bryn Mawr Hospital, Bryn Mawr, Pennsylvania
CA Hospital Medical Center, Los Angeles, California
CA Pacific Medical Center, San Francisco, California
CHOI at OSF St. Francis Medical Center, Peoria, Illinois
CHOP Newborn Care at Chester County Hospital, West Chester, Pennsylvania
Cabell Huntington Hospital, Inc., Huntington, West Virginia
Cape Fear Valley Medical Center, Fayetteville, North Carolina
Capital Health System @ Mercer, Trenton, New Jersey
Cardinal Glennon Children's Hospital, St. Louis, Missouri
Cardon Children's Medical Center, Mesa, Arizona
Carilion Clinic Children's Hospital, Roanoke, Virginia
Caritas St. Elizabeth's Medical Center, Boston, Massachusetts
Carle Foundation Hospital, Urbana, Illinois
Carolinas Medical Center, Charlotte, North Carolina
Catawba Valley Medical Center, Hickory, North Carolina
Cedars-Sinai Medical Center, Los Angeles, California
Centennial Medical Center, Nashville, Tennessee
Centerpoint Medical Center, Independence, Missouri
Centinela Hospital Medical Center, Inglewood, California
Centra Health - Virginia Baptist Hospital, Lynchburg, Virginia
Central Dupage Hospital, Winfield, Illinois
Central Mississippi Medical Center, Jackson, Mississippi
Charleston Area Medical Center, Charleston, West Virginia
Children's Hospital of Omaha, Omaha, Nebraska
Children's Hospital San Diego at Scripps La Jolla, San Diego, California
Children's Hospital at Bronson, Kalamazoo, Michigan
Children's Hospital of Greenville, Greenville, South Carolina
Children's Hospital of New Jersey at NBIMC, Newark, New Jersey
Children's Hospital of Philadelphia Newborn Center, Philadelphia, Pennsylvania
Children's Hospital of SW Florida - Lee Memorial, Ft. Myers, Florida
Children's Hospital of WI - Fox Valley, Neenah, Wisconsin
Children's Hospital of Wisconsin, Milwaukee, Wisconsin
Children's Hospital of the King's Daughters, Norfolk, Virginia
Children's Hospital, The, Aurora, Colorado
Children's Hospitals & Clinics, Minneapolis, Minnesota
Children's Hospitals and Clinics, St. Paul, Minnesota
Children's Medical Center at Presbyterian Hospital, Albuquerque, New Mexico
Children's Memorial Hermann Hospital, Houston, Texas
Children's at Cooper U. Medical Center, Camden, New Jersey
Children's at Providence & AK Regional Hospital, Anchorage, Alaska
Christ Hospital & Medical Center, Oak Lawn, Illinois
Christiana Care Health Services, Newark, Delaware

© 2012 American Medical Association. All rights reserved.
Fairview Hospital, Cleveland, Ohio
First Health Moore Regional Hospital, Pinehurst, North Carolina
Florida Hospital for Children, Orlando, Florida
Forrest General Hospital, Hattiesburg, Mississippi
Forsyth Memorial Hospital, Winston-Salem, North Carolina
Forum Health - Tod Children's, Youngstown, Ohio
Fountain Valley Regional Hospital & Medical Center, Fountain Valley, California
Franklin Square Hospital Center, Baltimore, Maryland
Frederick Memorial Hospital, Frederick, Maryland
Freeman Hospital & Health System, Joplin, Missouri
Frye Regional Medical Center, Hickory, North Carolina
Garfield Medical Center, Monterey Park, California
Gaston Memorial Hospital, Gastonia, North Carolina
Geisinger Medical Center, Danville, Pennsylvania
Genesis Medical Center, Davenport, Iowa
Glendale Adventist Medical Center-NICU, Glendale, California
Glendale Memorial Hospital & Health Ctr., Glendale, California
Golisano Children's Hospital at Strong, Rochester, New York
Good Samaritan HCA, San Jose, California
Good Samaritan Hospital, Cincinnati, Ohio
Good Samaritan Hospital, Los Angeles, California
Good Shepherd Medical Center, Longview, Texas
Grady Memorial Hospital, Atlanta, Georgia
Greater Baltimore Medical Center, Baltimore, Maryland
Grossmont Hospital Women's Health Center, La Mesa, California
Gundersen Lutheran Medical Center, LaCrosse, Wisconsin
Gwinnett Hospital System, Lawrenceville, Georgia
Hackensack University Medical Center, Hackensack, New Jersey
Hahnemann University Hospital, Philadelphia, Pennsylvania
Hamot Medical Center, Erie, Pennsylvania
Harbor UCLA Medical Center, Torrance, California
Harris Methodist Fort Worth Hospital, Fort Worth, Texas
Hennepin County Medical Center, Minneapolis, Minnesota
Henrico Doctor's Hospital, Richmond, Virginia
Henry Ford Hospital, Detroit, Michigan
Henry Medical Center, Stockbridge, Georgia
Hoag Memorial Hospital Presbyterian, Newport Beach, California
Hollywood Presbyterian Medical Center, Los Angeles, California
Holy Cross Hospital, Silver Spring, Maryland
Holy Redeemer Hospital & Medical Center, Meadowbrook, Pennsylvania
Hospital of University of Pennsylvania, Philadelphia, Pennsylvania
Howard County General Hospital, Columbia, Maryland
Huntington Memorial Hospital, Pasadena, California
Huntsville Hospital, Huntsville, Alabama
Hurley Medical Center, Flint, Michigan
Illinois Masonic Medical Center, Chicago, Illinois
Innovis Health, Fargo, North Dakota
Inova Fair Oaks Hospital, Fairfax, Virginia

© 2012 American Medical Association. All rights reserved.
Inova Fairfax Hospital for Children, Falls Church, Virginia
Intermountain Medical Center, Salt Lake City, Utah
Jackson Memorial Hospital, Miami, Florida
Jackson-Madison County General Hospital, Jackson, Tennessee
Jeff Anderson Regional Medical Center, Meridian, Mississippi
Jennie Stuart Medical Center, Hopkinsville, Kentucky
Jersey City Medical Center, Jersey City, New Jersey
Jersey Shore University Medical Center, Neptune, New Jersey
Joe DiMaggio Children's Hospital, Hollywood, Florida
John H. Stroger, Jr. Hospital of Cook County, Chicago, Illinois
John Muir Medical Center, Walnut Creek, California
John Peter Smith Hospital, Fort Worth, Texas
Johnson City Medical Center, Johnson City, Tennessee
Kadlec Medical Center NICU, Richland, Washington
Kaiser Foundation Hospital Orange County - Irvine, Irvine, California
Kaiser Foundation-Bellflower, Bellflower, California
Kaiser Foundation-Fontana, Fontana, California
Kaiser Foundation-Los Angeles, Los Angeles, California
Kaiser Foundation-Orange County, Anaheim, California
Kaiser Foundation-Panorama City, Panorama City, California
Kaiser Foundation-Riverside Medical Ctr, Riverside, California
Kaiser Foundation-San Diego, San Diego, California
Kaiser Foundation-South Bay, Harbor City, California
Kaiser Foundation-Walnut Creek, Walnut Creek, California
Kaiser Foundation-West Los Angeles, Los Angeles, California
Kaiser Foundation-Woodland Hills, Woodland Hills, California
Kaiser Permanente-Baldwin Park, Baldwin Park, California
Kaiser Permanente-Hayward Medical Center, Hayward, California
Kaiser Permanente-Oakland Medical Center, Oakland, California
Kaiser Permanente-Sacramento, Sacramento, California
Kaiser Permanente-San Francisco, San Francisco, California
Kaiser Permanente-Santa Clara, Santa Clara, California
Kaweah Delta Health Care District, Visalia, California
Kentucky Children's Hospital, Lexington, Kentucky
Kings County Hospital Center, Brooklyn, New York
Kings Daughters Medical Center, Ashland, Kentucky
Kosair Children's Hospital, Louisville, Kentucky
LAC+USC Women's & Children's Hospital, Los Angeles, California
LPCH-Stanford University, Palo Alto, California
Lafayette General Medical Center, Lafayette, Louisiana
Lancaster General Hospital, Lancaster, Pennsylvania
Lankenau Hospital, Wynnewood, Pennsylvania
Legacy Emanuel Children's Hospital, Portland, Oregon
Legacy Salmon Creek Hospital, Vancouver, Washington
Lehigh Valley Hospital, Allentown, Pennsylvania
Lenox Hill Hospital, New York, New York
Little Company of Mary Hospital, Torrance, California
Loma Linda University Children's, Loma Linda, California

© 2012 American Medical Association. All rights reserved.
Los Robles Regional Medical Center, Thousand Oaks, California
Louisiana State University Health Sciences Center, Shreveport, Louisiana
Lutheran Hospital of Indiana, Fort Wayne, Indiana
MHUMC - Savannah, Savannah, Georgia
Magee-Womens Hospital, Pittsburgh, Pennsylvania
Maimonides Medical Center, Brooklyn, New York
Marin General Hospital, Greenbrae, California
Marquette General Health System - NICU, Marquette, Michigan
Massachusetts General Hospital for Children, Boston, Massachusetts
Mattel Children's Hospital at UCLA, NICU, Los Angeles, California
Maury Regional Medical Center, Columbia, Tennessee
Mayo Foundation, Rochester, Minnesota
McKay-Dee Hospital Center, Ogden, Utah
McLeod Regional Medical Center, Florence, South Carolina
Medcenter One Health Systems, Bismarck, North Dakota
Medical Center Hospital - Odessa, Odessa, Texas
Medical Center of Arlington, Arlington, Texas
Medical Center of LA - New Orleans, New Orleans, Louisiana
Medical Center of Lewisville, Lewisville, Texas
Medical Center of Plano, Plano, Texas
Medical City - Dallas, Dallas, Texas
Medical College of Georgia, Augusta, Georgia
Medical University of South Carolina, Charleston, South Carolina
Memorial Hermann Memorial City Medical Center, Houston, Texas
Memorial Hermann Southeast, Houston, Texas
Memorial Hermann Southwest, Houston, Texas
Memorial Hermann The Woodlands, The Woodlands, Texas
Memorial Hospital at Gulfport, Gulfport, Mississippi
Memorial Hospital, South Bend, Indiana
Memorial Medical Center - Modesto, Modesto, California
Mercy Health Center, Oklahoma City, Oklahoma
Mercy Hospital & Medical Center, Chicago, Illinois
Mercy Medical Center - Baltimore, Baltimore, Maryland
Mercy Medical Center - Des Moines, Des Moines, Iowa
Mercy Medical Center - Redding, Redding, California
Mercy San Juan Medical Center, Carmichael, California
Mercy Southwest Hospital, Bakersfield, California
Meridia Hillcrest Hospital, Mayfield Heights, Ohio
Meritcare Children's Hospital, Fargo, North Dakota
Meriter Hospital, Madison, Wisconsin
Methodist Children's Hospital, San Antonio, Texas
Methodist Dallas Medical Center, Dallas, Texas
Methodist Hospital of Indiana, Indianapolis, Indiana
Methodist Hospital of Sacramento, Sacramento, California
Methodist Hospital of Southern California, Arcadia, California
Methodist Hospitals, Inc., Gary, Indiana
MetroHealth Medical Center, Cleveland, Ohio
Metropolitan Methodist Hospital, San Antonio, Texas

© 2012 American Medical Association. All rights reserved.
Miami Valley Hospital, Dayton, Ohio
Miller Children's Hospital, Long Beach, California
Mission Children's Hospital, Asheville, North Carolina
Mississippi Baptist Health Systems, Jackson, Mississippi
Monmouth Medical Center, Long Branch, New Jersey
Monroe Carell Jr. Children's Hospital Vanderbilt, Nashville, Tennessee
Morristown Memorial Hospital, Morristown, New Jersey
Moses Taylor Hospital, Scranton, Pennsylvania
Mt. Carmel Health Systems, Columbus, Ohio
Mt. Sinai Hospital Medical Center, Chicago, Illinois
Munson Medical Center, Traverse City, Michigan
National Naval Medical Center, Bethesda, Maryland
Nationwide Children's Hospital, Columbus, Ohio
Nativity Medical Center, Salinas, California
Naval Medical Center Portsmouth, Portsmouth, Virginia
Naval Medical Center-San Diego, San Diego, California
Nebraska Medical Center, Omaha, Nebraska
Neonatology Associates-Wellmont Holston Med Ctr., Kingsport, Tennessee
New Hanover Regional Medical Center, Wilmington, North Carolina
North Austin Medical Center, Austin, Texas
North Carolina Children's Hospital, Chapel Hill, North Carolina
North Memorial Medical Center, Robbinsdale, Minnesota
North Mississippi Medical Center, Tupelo, Mississippi
North Oaks Medical Center, Hammond, Louisiana
North Shore University Hospital, Manhasset, New York
Northbay Medical Center, Fairfield, California
Northeast Georgia Medical Center, Gainesville, Georgia
Northridge Hospital, Northridge, California
Northside Hospital, Atlanta, Georgia
Northwest Medical Center of Washington Cty., Springdale, Arkansas
Northwest Medical Center, Margate, Florida
Northwestern Memorial, Chicago, Illinois
Norton Suburban Hospital, Louisville, Kentucky
O'Connor Hospital - San Jose, San Jose, California
O.U. Health Sciences Center, Oklahoma City, Oklahoma
OSU Medical Center, Tulsa, Oklahoma
Oakwood Hospital & Medical Center, Dearborn, Michigan
Ochsner Clinic Foundation, New Orleans, Louisiana
Ochsner Medical Center West Bank, Gretna, Louisiana
Ohio State University Medical Center, Columbus, Ohio
Olive View - UCLA Medical Center, Sylmar, California
Oregon Health & Sciences University, Portland, Oregon
Our Lady of Lourdes Medical Center, Camden, New Jersey
Overland Park Regional Medical Staff, Overland Park, Kansas
P.C.M.H., Greenville, North Carolina
Palmetto Health Richland, Columbia, South Carolina
Palomar Medical Center NICU, Escondido, California
Parkridge East Hospital, Chattanooga, Tennessee
Parkview Community Hospital Medical Center, Riverside, California
Parkview Women's & Children's Hospital, Fort Wayne, Indiana
Peggy V. Helmerich Women's Center, Tulsa, Oklahoma
Penn State Children's Hospital, Hershey, Pennsylvania
Pennsylvania Hospital, Philadelphia, Pennsylvania
Phoenix Children's Hospital, Phoenix, Arizona
Piedmont Hospital, Atlanta, Georgia
Pomona Valley Hospital Medical Center, Pomona, California
Portneuf Medical Center, Pocatello, Idaho
Poudre Valley Health System, Fort Collins, Colorado
Presbyterian Hospital - Charlotte, Charlotte, North Carolina
Presbyterian Hospital of Dallas, Dallas, Texas
Presbyterian Hospital of Plano, Plano, Texas
Presbyterian Intercommunity Hospital, Whittier, California
Presbyterian-St. Luke's Medical Center, Denver, Colorado
Providence Hospital & Medical Center, Southfield, Michigan
Providence St. Joseph Medical Center, Burbank, California
Providence St. Vincent Medical Center, Portland, Oregon
Providence Tarzana Medical Center, Tarzana, California
RMCH at Loyola University Medical Center, Maywood, Illinois
Rady Children's San Diego @ Scripps Encinitas, Encinitas, California
Rainbow Babies & Children’s Hospital, Cleveland, Ohio
Rapid City Regional Hospital, Rapid City, South Dakota
Rapides Women's & Children's Hospital, Alexandria, Louisiana
Reading Hospital & Medical Center, Reading, Pennsylvania
Redlands Community Hospital, Redlands, California
Regional Medical Center at Memphis, Memphis, Tennessee
Regional Medical Center of San Jose, San Jose, California
Research Medical Center, Kansas City, Missouri
Richmond University Medical Center, Staten Island, New York
River Oaks Health System, Jackson, Mississippi
Riverside Community Hospital, Riverside, California
Riverside County Regional Medical Center, Moreno Valley, California
Robert Wood Johnson University Hospital, New Brunswick, New Jersey
Rockdale Medical Center, Conyers, Georgia
Rockford Memorial Hospital, Rockford, Illinois
Rogue Valley Medical Center, Medford, Oregon
Rose Medical Center, Denver, Colorado
Rush Foundation Hospital, Meridian, Mississippi
Rush University Medical Center, Chicago, Illinois
Rush-Copley Medical Center, Aurora, Illinois
Sacred Heart Health System, Pensacola, Florida
Sacred Heart Medical Center, Spokane, Washington
Sacred Heart Medical Center, Springfield, Oregon
Saddleback Memorial Medical Center, Laguna Hills, California
Salem Hospital, Salem, Oregon
Salinas Valley Memorial Hospital, Salinas, California
San Antonio Community Hospital, Upland, California

© 2012 American Medical Association. All rights reserved.
San Francisco General Hospital, San Francisco, California
San Gabriel Valley Medical Center - AHMC, San Gabriel, California
San Joaquin General Hospital, Stockton, California
Santa Clara Valley Medical Center, San Jose, California
Santa Monica UCLA NICU, Santa Monica, California
Santa Rosa Memorial Hospital, Santa Rosa, California
Schneider Children's Hospital, New Hyde Park, New York
Scott & White Hospital, Temple, Texas
Scottsdale Healthcare - Quality, Scottsdale, Arizona
Scripps Mercy Chula Vista, Chula Vista, California
Scripps Mercy Hospital, San Diego, California
Shady Grove Adventist Hospital, Rockville, Maryland
Sharp Chula Vista Medical Center, Chula Vista, California
Sharp Mary Birch Hospital for Women, San Diego, California
Shawnee Mission Medical Center, Shawnee Mission, Kansas
Sheridan Children's/Plantation Hospital, Plantation, Florida
Sierra Vista Regional Medical Center, San Luis Obispo, California
Sinai Hospital of Baltimore, Baltimore, Maryland
South Shore Hospital, South Weymouth, Massachusetts
Southeast Missouri Hospital, Cape Girardeau, Missouri
Southern Regional Medical Center, Riverdale, Georgia
Southwest Washington Medical Center, Vancouver, Washington
Sparrow Hospital, Lansing, Michigan
Spartanburg Regional Healthcare System, Spartanburg, South Carolina
St. Agnes Hospital, Baltimore, Maryland
St. Alexius Medical Center, Hoffman Estates, Illinois
St. Barnabas Medical Center, Livingston, New Jersey
St. Bernardine Medical Center, San Bernardino, California
St. Charles Medical Center, Bend, Oregon
St. Cloud Hospital, St Cloud, Minnesota
St. David's Medical Center, Austin, Texas
St. Dominic - Jackson Memorial Hospital, Jackson, Mississippi
St. Elizabeth Regional Health, Lafayette, Indiana
St. Elizabeth Regional Medical Center, Lincoln, Nebraska
St. Francis Hospital - Hartford, Hartford, Connecticut
St. Francis Hospital - Memphis, Memphis, Tennessee
St. Francis Hospital - Tulsa, Tulsa, Oklahoma
St. Francis Medical Center - Cape Girardeau, Cape Girardeau, Missouri
St. Francis Medical Center - Lynwood, Lynwood, California
St. John Hospital & Medical Center, Detroit, Michigan
St. John Medical Center, Tulsa, Oklahoma
St. John's Hospital, Springfield, Illinois
St. John's Mercy Medical Center, St. Louis, Missouri
St. John's Reg. Med. Ctr/Oxnard, Oxnard, California
St. Joseph Hospital & Medical Center, Paterson, New Jersey
St. Joseph Hospital-Marshalfield Clinic, Marshallfield, Wisconsin
St. Joseph Medical Center, Towson, Maryland
St. Joseph Mercy Hospital, Ann Arbor, Michigan

© 2012 American Medical Association. All rights reserved.
St. Joseph Mercy Oakland, Pontiac, Michigan
St. Joseph's Children's Hospital of Tampa, Tampa, Florida
St. Joseph's Health Center, Syracuse, New York
St. Joseph's Hospital & Medical Center, Phoenix, Arizona
St. Joseph's Medical Center, Stockton, Stockton, California
St. Jude Medical Center, Fullerton, California
St. Louis Children's Hospital, St. Louis, Missouri
St. Luke's Hospital, Bethlehem, Pennsylvania
St. Luke's Hospital, Cedar Rapids, Iowa
St. Luke's Hospital, Kansas City, Missouri
St. Luke's Regional Medical Center IA, Sioux City, Iowa
St. Luke's Regional Medical Center, Boise, Idaho
St. Mary Medical Center, Long Beach, California
St. Mary's Health System Inc., Knoxville, Tennessee
St. Mary's Hospital & Medical Center, Grand Junction, Colorado
St. Mary's Hospital Medical Center, Madison, Wisconsin
St. Mary's Hospital/WPB, West Palm Beach, Florida
St. Mary's Medical Center - Duluth, Duluth, Minnesota
St. Mary's Medical Center - Evansville, Evansville, Indiana
St. Mary's Mercy Medical Center, Grand Rapids, Michigan
St. Peter's Hospital, Albany, New York
St. Peter's Medical Center, New Brunswick, New Jersey
St. Rita's Medical Center, Lima, Ohio
St. Rose Dominican Hospital Siena Campus, Henderson, Nevada
St. Vincent Health Center, Erie, Pennsylvania
St. Vincent Hospital & Health Center, Billings, Montana
St. Vincent Hospital & Medical Center-Manhattan, New York, New York
St. Vincent Hospital, Green Bay, Wisconsin
St. Vincent Mercy Children's Hospital, Toledo, Ohio
St. Vincent Women's Hospital, Indianapolis, Indiana
Stamford Hospital, Stamford, Connecticut
Staten Island University Hospital, Staten Island, New York
Stony Brook University Medical Center, Stony Brook, New York
Summa Health System, Akron, Ohio
Sunrise Hospital & Medical Center, Las Vegas, Nevada
Sutter Medical Center Sacramento, Sacramento, California
Sutter Medical Center of Santa Rosa, Santa Rosa, California
Swedish Medical Center, Englewood, Colorado
Swedish Medical Center, Seattle, Washington
T.C. Thompson Children's Hospital, Chattanooga, Tennessee
Tallahassee Memorial Hospital, Tallahassee, Florida
Tampa General Hospital, Tampa, Florida
Temple University Hospital, Philadelphia, Pennsylvania
Texas Children's Hospital / Baylor College of Med., Houston, Texas
Texas Health Arlington Memorial, Arlington, Texas
Texas Tech U. Health Science Center, Amarillo, Texas
The Medical Center NICU - Bowling Green, Bowling Green, Kentucky
The Medical Center at Columbus Regional, Columbus, Georgia

© 2012 American Medical Association. All rights reserved.
Thomas Jefferson University Hospital, Philadelphia, Pennsylvania
Tisch Hospital-NYU Medical Center, New York, New York
Toledo Children's Hospital, Toledo, Ohio
Torrance Memorial Medical Center, Torrance, California
Touro Infirmary, New Orleans, Louisiana
Tri-City Medical Center, Oceanside, California
Truman Medical Center, Kansas City, Missouri
Tufts Medical Center, Boston, Massachusetts
Tulane Medical Center/Lakeside Hospital, New Orleans, Louisiana
UC Irvine Medical Center, Orange, California
UCDMC, Sacramento, Sacramento, California
UCHSC, Aurora, Colorado
UCSD Medical Center, San Diego, California
UCSF Medical Center, San Francisco, California
UMass Memorial Healthcare, Worcester, Massachusetts
USA Children's & Women's Hospital, Mobile, Alabama
University Hospital NICU - Cincinnati, Cincinnati, Ohio
University Hospital San Antonio, San Antonio, Texas
University Hospital UMDNJ, Newark, New Jersey
University Hospital of Brooklyn, Brooklyn, New York
University Medical Center of Southern Nevada, Las Vegas, Nevada
University of Arizona Health Sciences Center, Tucson, Arizona
University of Arkansas for Medical Sciences, Little Rock, Arkansas
University of Chicago, Chicago, Illinois
University of Connecticut Health Center, Farmington, Connecticut
University of Florida, Gainseville, Florida
University of Illinois at Chicago, Chicago, Illinois
University of Iowa Children's Hospital, Iowa City, Iowa
University of Kansas Hospital Authority, Kansas City, Kansas
University of Louisville Hospital, Louisville, Kentucky
University of MN Children's Hospital, Fairview, Minneapolis, Minnesota
University of Maryland Division of Neonatology, Baltimore, Maryland
University of Michigan-Holden NICU, Ann Arbor, Michigan
University of TN Medical Center at Knoxville, Knoxville, Tennessee
University of Utah Health Sciences Center, Salt Lake City, Utah
University of Virginia, Charlottesville, Virginia
University of Washington Medical Center, Seattle, Washington
Utah Valley Regional Medical Center, Provo, Utah
VT Children's at Fletcher-Allen Health Care, Burlington, Vermont
Valley Med. Center/Pediatricx Medical Group of WA, Renton, Washington
Valley Presbyterian Hospital, Van Nuys, California
Valley Regional Medical Center TX, Brownsville, Texas
Vassar Brothers Hospital, Poughkeepsie, New York
Ventura County Medical Center, Ventura, California
Via Christi-St. Joseph Campus, Wichita, Kansas
Virtua Hospital Systems, Voorhees, New Jersey
WAKEMED Faculty Physicians - Wake Medical Center, Raleigh, North Carolina
Washington Hospital Center, Washington, District of Columbia

© 2012 American Medical Association. All rights reserved.