

## Supplementary Online Content

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**eTable 5. Participating Hospitals**

This supplementary material has been provided by the authors to give readers additional information about their work.

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

	No. (%) of Participants <sup>a</sup>			P Value <sup>b</sup>
	Total (N = 890)	RNE (n = 168)	Non-RNE (n = 722)	
<i>Hospital Characteristics</i>				
Hospital ownership				.00
Public	133 (15)	16 (10)	117 (16)	
For-profit	125 (14)	5 (3)	120 (17)	
Not-for-profit	632 (71)	147 (88)	485 (67)	
Member, Council of Teaching Hospitals (n=241)	241 (27)	81 (48)	160 (22)	.00
<i>Hospital Nursing Characteristics</i>				
RNE Hospital (n= 168)	168 (19)	168 (100)	0 (0)	n/a
Registered nurse hours per adjusted patient day, mean (SD) <sup>c</sup>	9.4 (4.1)	10.5 (2.9)	9.1 (4.3)	.00

Abbreviation: RNE (recognized for nursing excellence).

<sup>a</sup>Data are expressed as No. (%) of participants unless otherwise indicated.

<sup>b</sup>The chi-square test was used for comparison of categorical variables and the unpaired 2-tailed *t* test for continuous variables.

<sup>c</sup>Calculated by the authors from the 2008 American Hospital Association Annual Hospital Survey.

**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

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

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.

**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

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

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

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

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**

Abington Memorial Hospital, Abington, Pennsylvania  
Adventist Hinsdale Hospital, Hinsdale, Illinois  
Advocate Good Samaritan Hospital, Downers Grove, Illinois  
Advocate Lutheran General Hospital, Park Ridge, Illinois  
Affinity NICU - St. Elizabeth Hospital, Appleton, Wisconsin  
Akron Children's S.C.N. at St. Elizabeth, Youngstown, Ohio  
Albany Medical Center, Albany, New York  
Albert Einstein Medical Center, Philadelphia, Pennsylvania  
Alegent Health Bergen Mercy Medical Center, Omaha, Nebraska  
All Children's at Sarasota Memorial, Sarasota, Florida  
Allentown's Neonatal Intensive Care, Allentown, Pennsylvania  
Alta Bates Summit Medical Center, Berkeley, California  
Anaheim Memorial Medical Center, Anaheim, California  
Anne Arundel Medical Center, Annapolis, Maryland  
Antelope Valley Hospital, Lancaster, California  
Arnot Ogden Medical Center, Elmira, New York  
Arrowhead Regional Medical Center, Colton, California  
Aspirus Wausau Hospital, Wausau, Wisconsin  
Athens Regional Medical Center, Athens, Georgia  
Aultman Hospital, Canton, Ohio  
Aurora Baycare Medical Center, Green Bay, Wisconsin  
Aurora Sinai Medical Center, Milwaukee, Wisconsin  
Aurora Women's Pavilion, West Allis, Wisconsin  
Avera McKennan, Sioux Falls, South Dakota  
Bakersfield Memorial Hospital, Bakersfield, California  
Ball Memorial Hospital, Muncie, Indiana  
Banner Estrella Medical Center, Phoenix, Arizona  
Banner Thunderbird Medical Center, Glendale, Arizona  
Baptist Children's Hospital, Miami, Florida  
Baptist Healthcare System, San Antonio, Texas  
Baptist Medical Center South, Montgomery, Alabama  
Baptist Memorial Hospital for Women, Memphis, Tennessee  
Baptist St. Anthony's Health System, Amarillo, Texas  
Barbara Bush Children's at Maine Medical, Portland, Maine  
Baylor All Saints Medical Center, Fort Worth, Texas  
Baylor Healthcare System, Dallas, Texas  
Baystate Medical Center, Springfield, Massachusetts  
Bellevue Hospital, New York, New York  
Benefis Healthcare, Great Falls, Montana  
Beth Israel Deaconess Medical Center, Boston, Massachusetts  
Billings Clinic, Billings, Montana  
Blank Children's Hospital, Des Moines, Iowa  
Boekelheide NICU at Sanford Health, Sioux Falls, South Dakota  
Bon Secours Richmond Health System, Richmond, Virginia  
Boston Medical Center, Boston, Massachusetts  
Brandon Regional Hospital, Brandon, Florida

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 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

Christus Santa Rosa Healthcare, San Antonio, Texas  
Christus Schumpert Sutton Children's, Shreveport, Louisiana  
Christus St. Frances Cabrini Hospital, Alexandria, Louisiana  
Citrus Valley Medical Center, W. Covina, California  
Clarian North Medical Center, Carmel, Indiana  
Columbia Regional Hospital, Columbia, Missouri  
Columbia St. Mary's Hospital, Milwaukee, Wisconsin  
Columbia University Medical Center, New York, New York  
Community Hospital North - Indianapolis, Indianapolis, Indiana  
Community Hospital of San Bernardino, San Bernardino, California  
Community Medical Center, Missoula, Montana  
Community Memorial Hospital of Ventura, Ventura, California  
Community Regional Medical Center - Fresno, Fresno, California  
Conemaugh Memorial Medical Center, Johnstown, Pennsylvania  
Connecticut Children's Medical Center, Hartford, Connecticut  
Cook Children's Medical Center, Fort Worth, Texas  
Corpus Christi Medical Center, Corpus Christi, Texas  
Cottage Health System, Santa Barbara, Santa Barbara, California  
Covenant Healthcare, Saginaw, Michigan  
Covenant Medical Center - IA, Waterloo, Iowa  
CoxHealth Neonatology, Springfield, Missouri  
Creighton University Medical Center, Omaha, Nebraska  
Crozer-Chester Medical Center, Upland, Pennsylvania  
Dameron Hospital Association (DHA), Stockton, California  
Danbury Hospital, Danbury, Connecticut  
Dartmouth-Hitchcock Medical Center, Lebanon, New Hampshire  
DeVos Children's/Spectrum Health, Grand Rapids, Michigan  
Deaconess Medical Center, Spokane, Washington  
Desert Regional Medical Center, Palm Springs, California  
Dixie Regional Medical Center, St. George, Utah  
Doctor's Medical Center, Modesto, California  
Dominican Hospital, Santa Cruz, California  
Downey Regional Medical Center, Downey, California  
Doylestown Hospital, Doylestown, Pennsylvania  
DuBois Regional Medical Center NICU, DuBois, Pennsylvania  
Duke University, Durham, North Carolina  
Dupont Hospital, Fort Wayne, Indiana  
Earl K. Long Medical Center, Baton Rouge, Louisiana  
East Jefferson General Hospital, Metairie, Louisiana  
Eastern Maine Medical Center, Bangor, Maine  
Edward Hospital & Health Services, Naperville, Illinois  
El Camino Hospital, Mountain View, California  
El Centro Regional Medical Center, El Centro, California  
Elliot Hospital, Manchester, New Hampshire  
Emory Crawford Long Hospital, Atlanta, Georgia  
Evanston Hospital, Evanston, Illinois  
Exempla Good Samaritan Medical Center, Lafayette, Colorado  
Exempla St. Joseph Hospital, Denver, Colorado



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

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

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

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  
Natividad 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

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-Marshfield Clinic, Marshfield, Wisconsin  
St. Joseph Medical Center, Towson, Maryland  
St. Joseph Mercy Hospital, Ann Arbor, Michigan

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

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, Gainesville, 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/Pediatrics 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



Watsonville Community Hospital, Watsonville, California  
Waukesha Memorial Hospital, Waukesha, Wisconsin  
Weiler Hospital-Montefiore, Bronx, New York  
Weill Cornell Medical Center, New York, New York  
Wellstar Cobb Hospital, Austell, Georgia  
Wellstar Kennestone Hospital, Marietta, Georgia  
Wesley Medical Center - Hattiesburg, Hattiesburg, Mississippi  
Wesley Medical Center, Wichita, Kansas  
West Boca Medical Center, Boca Raton, Florida  
West Jefferson Medical Center, Marrero, Louisiana  
West Virginia U. School of Medicine, Morgantown, West Virginia  
Western Medical Center, Santa Ana, California  
Western Pennsylvania Hospital, Pittsburgh, Pennsylvania  
Wheaton Franciscan Healthcare - All Saints, Inc., Racine, Wisconsin  
Wheaton Franciscan Healthcare - St. Joseph, Milwaukee, Wisconsin  
White Memorial Medical Center, Los Angeles, California  
William Beaumont Hospital, Royal Oak, Michigan  
Willis-Knighton South, Shreveport, Louisiana  
Winchester Medical Center, Winchester, Virginia  
Winnie Palmer Hospital for Women & Babies, Orlando, Florida  
Winthrop University Hospital, Mineola, New York  
Woman's Hospital of Texas, The, Houston, Texas  
Woman's Hospital, Baton Rouge, Louisiana  
Women & Children's Hospital, Lake Charles, Lake Charles, Louisiana  
Women's Center at UCH, The, Tampa, Florida  
Women's Hospital At Renaissance, Edinburg, Texas  
Women's Hospital of Greensboro, Greensboro, North Carolina  
Women's Hospital, Newburgh, Indiana  
Woodhull Medical Center, Brooklyn, New York  
Yakima Valley Memorial Hospital, Yakima, Washington  
Yale-New Haven Children's Hospital, New Haven, Connecticut  
York Hospital, York, Pennsylvania