

PEER GROUPING METHODOLOGY – URBAN HOSPITALS

OBJECTIVE:

Peer grouping aims to create groups of similar hospitals for comparison purposes.

METHODOLOGY:

Seven measures were used to generate a score that reflects the size, patient mix and complexity of services for each urban hospital. This score was used to define peer groups. Specialty hospitals (pediatric, rehabilitation, behavioral health, non-acute, long-term care facilities and government hospitals) were excluded from the analysis.

MEASURES:

1. Number of Beds

Points were assigned based upon the number of hospital beds. The data source was <http://www.ahd.com>.

# of Beds	Points
≥500	10
400-499	7
300-399	5
200-299	3
100-199	1
1-99	0

2. Case Mix Index

The Medicare Case Mix Index **methodology** and MedPar + BCBSIL data for Federal fiscal year 2006 were used to calculate the case mix index. The case mix index was modified by Refined DRG adjustment and by age adjustment. (The case mix index was calculated separately for age groups 64 and below, 65-80 and >80. A single weighted case mix index was then calculated.)

This adjusted case mix index for each hospital was multiplied by 15 to determine the number of points.

3. Resident to Bed Ratio

This measure was used as an indicator of the intensity of the teaching program. The number of residents was obtained from the Accreditation Council for Graduate Medical Education (<http://www.acgme.org>) and American Osteopathic Association <https://www.do-online.org> web sites.

Ratio	Points
≥0.50	10
0.30-0.49	7
0.20-0.29	5
0.1-0.19	3
0.01-0.09	1

Hospitals that have residents but are not listed as a primary sponsoring institution on the ACGME website will receive two points for this measure.

4. Transplants

All solid organ transplants except kidney were included. The data source was <http://www.ustransplant.org>. The measure used was number of the transplants (defined above) performed between 1/1/05 and 12/31/05.

Volume	Points
≥50	10
25-49	7
1-24	3

5. Open Heart Surgery

Points were assigned for the volume of open-heart surgery. The source was MedPar + BCBSIL Data for Federal fiscal year 2006. DRGs 104 through 106, 108, 110, 111 and 547 through 550 were used to obtain the number of cases.

Volume	Points
≥250	10
200-249	7
150-199	5
100-149	3
50-99	1
0-49	0

6. Trauma Centers

Points were assigned to hospitals with trauma center designation. The data source was the Illinois Hospital Association (IHA) web site (<http://www.ihatoday.org>).

Level	Points
Level I	10
Level II	6

7. Neonatal ICUs

Points were assigned to hospitals with neonatal ICUs based upon the ICU level. The data source was the Illinois Hospital Association (IHA) web site (<http://www.ihatoday.org>).

Level	Points
Level III	10
Level II+	5
Level II	3
Level 0	0

SUMMARY:

Points were assigned for each of the seven measures. Urban hospitals were assigned to one of five peer groups on the basis of the overall point score. Peer groups are listed on the following pages.

LIST OF URBAN HOSPITALS BY PEER GROUPS

Medicare ID	Hospital Name	2008 Peer Group	City
140276	Loyola University Medical Center	1	Maywood
140281	Northwestern Memorial Hospital	1	Chicago
140119	Rush University Medical Center	1	Chicago
140088	The University of Chicago Hospitals & Health System	1	Chicago
140208	ADVOCATE Christ Hospital	2	Oak Lawn
140288	ADVOCATE Good Samaritan Hospital	2	Downers Grove
140182	ADVOCATE Illinois Masonic Hospital	2	Chicago
140223	ADVOCATE Lutheran General Hospital	2	Park Ridge
140091	Carle Foundation Hospital	2	Urbana
140010	Evanston Northwestern Healthcare	2	Evanston
140148	Memorial Medical Center -Springfield	2	Springfield
140067	OSF St. Francis Hospital - Peoria	2	Peoria
140117	Resurrection Medical Center	2	Chicago
140172	St. James Hospital & Health Centers	2	Olympia Fields
140053	St. John Hospital - Springfield	2	Springfield
140150	University of Illinois Medical Center at Chicago	2	Chicago
140122	Adventist Hinsdale Hospital	3	Hinsdale
140291	ADVOCATE Good Shepherd Hospital	3	Barrington
140258	Alexian Brothers Medical Center	3	Elk Grove Village
140242	Central DuPage Hospital	3	Winfield
140231	Edward Hospital	3	Naperville
140200	Elmhurst Memorial Hospital	3	Elmhurst
140054	MacNeal Hospital	3	Berwyn
140209	Methodist Medical Center Of Illinois	3	Peoria
140018	Mount Sinai Hospital	3	Chicago
140252	Northwest Community Hospital	3	Arlington Heights
140233	OSF St. Anthony Hospital - Rockford	3	Rockford
140007	PROVENA St. Joseph Med Ctr - Joliet	3	Joliet
140186	Riverside Medical Center	3	Kankakee
140029	Rush-Copley Medical Center	3	Aurora
140030	Sherman Hospital	3	Elgin
140118	St. Francis Hospital - Blue Island	3	Blue Island
140080	St. Francis Hospital - Evanston	3	Evanston
140224	St. Joseph Hospital - Chicago	3	Chicago
140228	Swedish American Hospital	3	Rockford
140280	Trinity Regional Health System - West Campus	3	Rock Island
140065	Adventist La Grange Memorial Hospital	4	LaGrange
140015	Blessing Hospital	4	Quincy
140127	Bromenn Regional Medical Center	4	Normal
140135	Decatur Memorial Hospital	4	Decatur
140211	Delnor Community Hospital	4	Geneva
140275	Genesis Medical Center, Illini Campus	4	Silvis
140008	Gottlieb Memorial Hospital	4	Melrose Park
140191	Ingalls Memorial Hospital	4	Harvey
140130	Lake Forest Hospital	4	Lake Forest
140179	Little Company of Mary Hospital	4	Evergreen Park
140185	Memorial Hospital - Belleville	4	Belleville

Medicare ID	Hospital Name	2008 Peer Group	City
140158	Mercy Hospital	4	Chicago
140075	Michael Reese Hospital	4	Chicago
140162	OSF St. Joseph Hospital - Bloomington	4	Bloomington
140062	Palos Community Hospital	4	Palos Heights
140113	PROVENA Covenant Medical Center	4	Urbana
140174	PROVENA Mercy Center for Health Care	4	Aurora
140217	PROVENA St. Joseph - Elgin	4	Elgin
140155	PROVENA St. Mary's Hospital - Kankakee	4	Kankakee
140051	Rush North Shore Medical Center	4	Skokie
140213	Silver Cross Hospital	4	Joliet
140290	St. Alexius Medical Center	4	Hoffman Estates
140187	St. Elizabeth Hospital - Belleville	4	Belleville
140180	St. Mary of Nazareth Hospital Center	4	Chicago
140114	Swedish Covenant Hospital	4	Chicago
140084	Vista Medical Center - East	4	Waukegan
140082	Weiss Memorial Hospital	4	Chicago
140049	West Suburban Medical Center	4	Chicago
140240	Westlake Hospital	4	Melrose Park
140292	Adventist Glen Oaks Hospital	5	Glendale Heights
140250	ADVOCATE South Suburban Hospital	5	Hazel Crest
140048	ADVOCATE Trinity Hospital	5	Chicago
140160	FHN Memorial Hospital	5	Freeport
140133	Holy Cross Hospital	5	Chicago
140234	Illinois Valley Community Hospital	5	Peru
140177	Jackson Park Hospital	5	Chicago
140066	Kenneth Hall Regional Hospital	5	East St. Louis
140207	Lincoln Park Hospital	5	Chicago
140083	Loretto Hospital	5	Chicago
140197	Methodist Hospital of Chicago	5	Chicago
140206	Norwegian American Hospital	5	Chicago
140251	Our Lady of the Resurrection Hospital	5	Chicago
140013	Proctor Hospital	5	Peoria
140093	PROVENA United Samaritan Medical Center	5	Danville
140300	Provident Hospital	5	Chicago
140068	Roseland Community Hospital	5	Chicago
140063	Rush Oak Park Hospital	5	Oak Park
140151	Sacred Heart Hospital	5	Chicago
140181	South Shore Hospital	5	Chicago
140095	St. Anthony Hospital	5	Chicago
140103	St. Bernard Hospital & Health Care	5	Chicago
140094	St. Elizabeth Hospital - Chicago	5	Chicago
140166	St. Mary's Hospital - Decatur	5	Decatur
140115	Thorek Hospital & Medical Center	5	Chicago
140077	Touchette Regional Hospital	5	Centerville