America's Best Cardiac Hospitals 2024
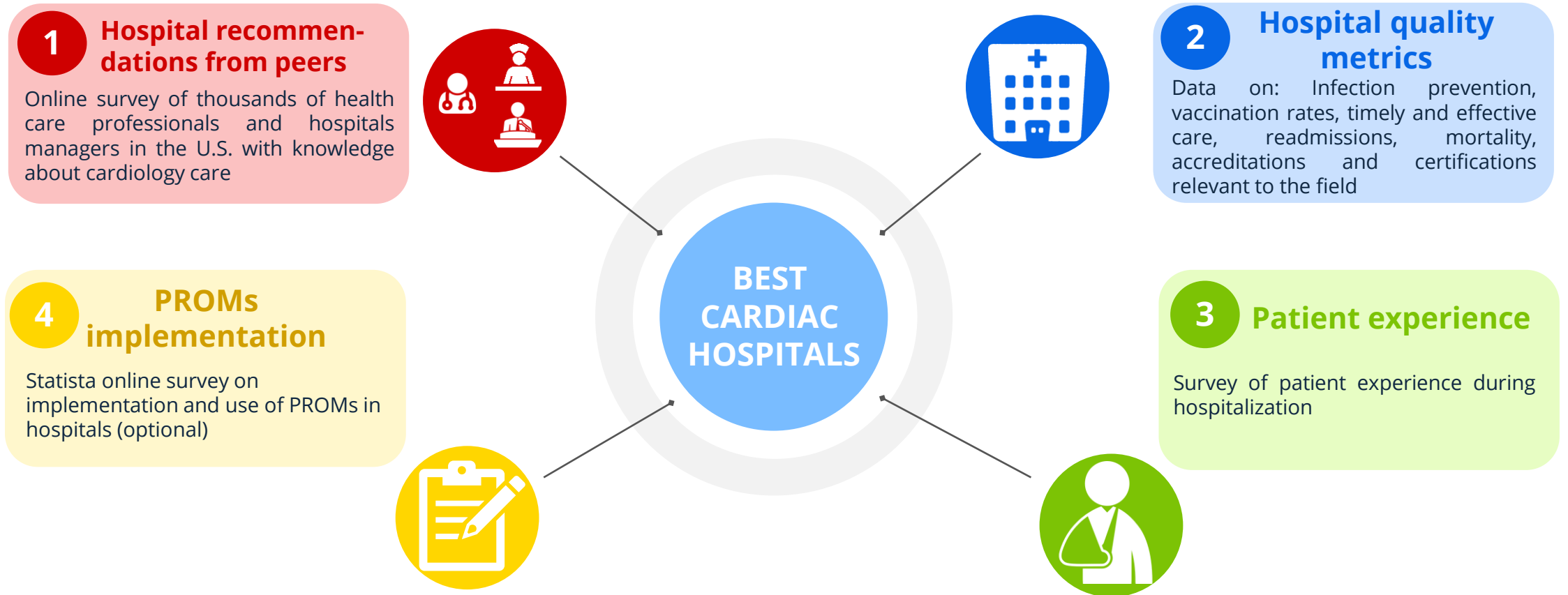
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Methodology – America's Best Cardiac Hospitals 2024

Summary of the project

- Heart diseases are among the most prevalent and severe conditions in the U.S., as reflected in the number of inpatient hospital procedures[1,2]. Therefore, choosing the right cardiology hospital is crucial for ensuring the best possible care.

- To provide patients and family members with a comprehensive resource for informed decision making, Statista and Newsweek have partnered to award the leading cardiac hospitals in the U.S.

- The **America's Best Cardiac Hospitals 2024** ranking awards the 175 leading hospitals in the field of **cardiac care** in the U.S., as well as highlighting the notable treatments.

- The underlying data analysis is based on four **data sources**:

  1. **Nationwide online survey**: Health care professionals and hospital managers with knowledge about cardiology e.g., cardiologists, cardiac/thoracic surgeons, and cardiac nurses were asked to recommend leading cardiology hospitals in the U.S. The survey was also promoted on newsweek.com

  2. **Hospital quality metrics**: Hospital quality metrics with a focus on indicators relevant to cardiology care were considered.

  3. **Results from patient experience surveys**

  4. **Statista PROMs implementation survey**

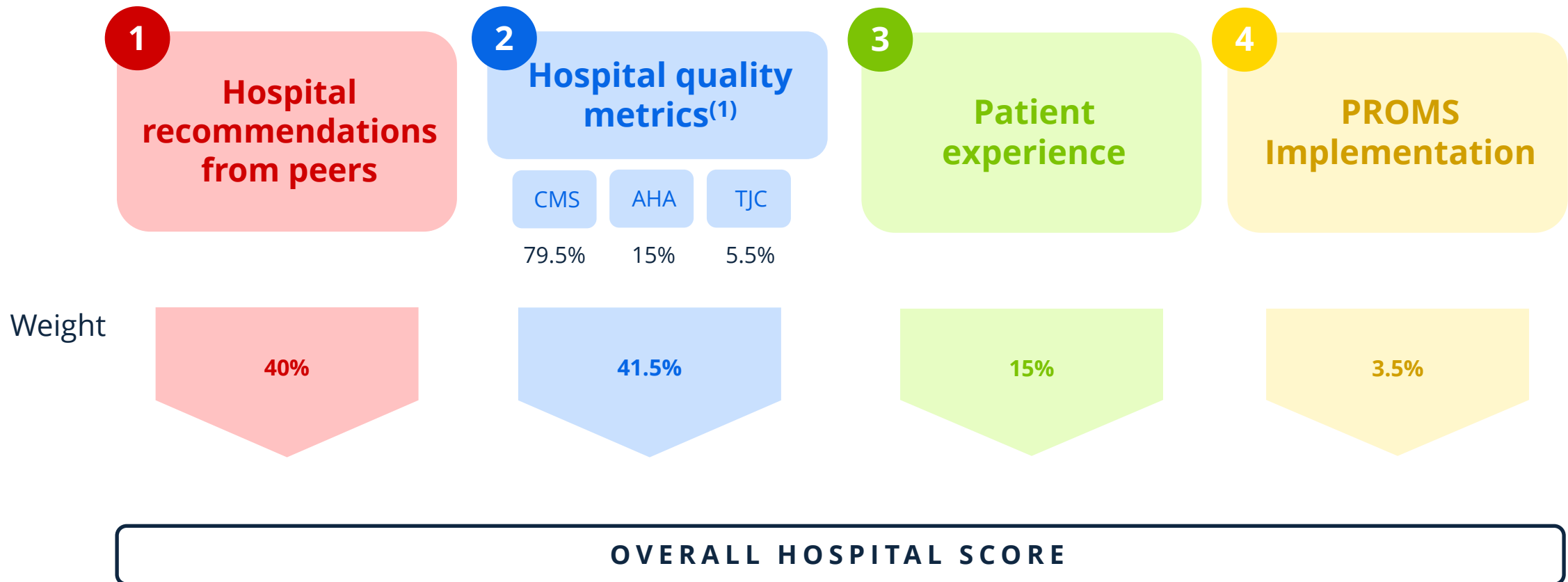- Hospitals with a 1-star rating from CMS were not eligible for the ranking.

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Four data sources were evaluated to identify leading cardiac hospitals

Ranking process and scoring model

1 **Hospital recommen-dations from peers**

Online survey of thousands of health care professionals and hospitals managers in the U.S. with knowledge about cardiology care

2 **Hospital quality metrics**

Data on: Infection prevention, vaccination rates, timely and effective care, readmissions, mortality, accreditations and certifications relevant to the field

4 **PROMs implementation**

Statista online survey on implementation and use of PROMs in hospitals (optional)

BEST CARDIAC HOSPITALS

3 **Patient experience**

Survey of patient experience during hospitalization

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A score was calculated for each hospital

Scoring model

1 Hospital recommendations from peers	**2** Hospital quality metrics[1]	**3** Patient experience	**4** PROMS Implementation
	CMS 79.5% · AHA 15% · TJC 5.5%		

Weight

40%	41.5%	15%	3.5%

OVERALL HOSPITAL SCORE

Note: (1) Hospitals need to have a least four measures in order to receive a hospital quality metrics score

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Medical experts with knowledge about cardiac care were invited to the survey

From April to May 2024, Statista invited thousands of health care professionals with knowledge about cardiac hospitals to an online survey

1 **Hospital recommendations from peers**
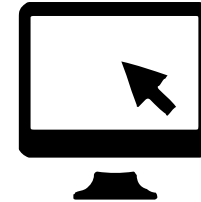
Nationwide online survey among health care professionals with knowledge about cardiology and hospital managers. Participants were invited via e-mail.

Participants were asked to **recommend cardiac hospitals** and to rate them on a scale of 1-10 in the areas of: Provision of care and patient safety, patient education and counseling, cardiac rehabilitation, overall nursing staffing, technical equipment. Recommendations for own employer / hospital were not allowed.

The assessments and recommendations were used to determine the **reputation score**. Additionally, participants could recommend the hospital for notable **conditions & surgeries**: Chronic ischemic heart disease, heart failure, coronary artery disease, heart bypass surgery (CABG), heart valve surgery, heart transplant, coronary angioplasty & stent placement

SCORE FOR REPUTATION

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Publicly available data on cardiac hospitals was analyzed

Methodology: Hospital quality metrics – **Part 1**

2 🏥 Hospital quality metrics

- Hospital quality metrics relevant to cardiac care from a variety of public sources were collected[1,2]. Hospitals with a 1-star rating from CMS were not eligible for the ranking.

- **Medicare and Medicaid Services (CMS)** data was available for:
  - Timely and effective care (e.g. anticoagulation therapy for atrial fibrillation/flutter)
  - Imaging (e.g. outpatients who got cardiac imaging stress tests before low-risk outpatient surgery)
  - Readmissions (e.g. rate of readmission after discharge from hospital)
  - Mortality (e.g. mortality rate for heart failure patients)
  - Infection Prevention and vaccination rate of staff
  - Patient Satisfaction

- **The Joint Commission (TJC)** data was available for:
  - Hospital Accreditations
  - Advanced Certifications:
    - Acute Heart Attack Ready
    - Advanced Comprehensive Heart Attack Center
    - Comprehensive Cardiac Center
    - Heart Failure
    - Primary Heart Attack Center
    - Ventricular Assist Device

SCORE FOR HOSPITAL QUALITY METRICS

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Publicly available data on cardiac hospitals was analyzed

Methodology: Hospital quality metrics – **Part 2**

2 **Hospital quality metrics**

- The **AHA Annual Survey of Hospitals Database** has been included in the scoring model. The database contains data provided by more than 6,200 hospitals and 400 health care systems and features over 1,300 hospital data points[1]. For America's Best Cardiac Hospitals, structural and organizational data of hospital facilities was used to be included in the hospital quality metrics score.

- The following indicator groups of the AHA **Annual Survey of Hospitals Database 2022**[2] were used as part of the quality metrics score[3,4]:

General Indicators	**Cardiac specific Indicators**	**Health Equity**
• Health research & screening	• Cardiac intensive care	• Health equity goals
• Trauma center	• Interventional cardiology and electrophysiology	• DEI disaggregated data
• Workforce strategic planning	• Cardiac rehabilitation	• Health equity strategic plan
• Technological equipment	• Cardiology-specific technological equipment	

SCORE FOR HOSPITAL QUALITY METRICS

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Publicly available patient experience data on cardiac hospitals was analyzed

Methodology: Patient experience data

3 Patient experience

- Publicly available data from hospital patient surveys was used to analyze patient experience[1]
- Survey topics associated to patient care:
  - Cleanliness of the hospital
  - Communication of the nurses/doctors
  - Care transition
  - Communication about medicines
  - Discharge information
  - Quietness
  - Staff responsiveness

SCORE FOR PATIENT EXPERIENCE

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The optional Statista PROMs implementation survey collects data directly from hospitals

Methodology: Statista PROMs implementation survey

4 📝 Statista PROMs implementation survey

- Since 2023, a **PROMs implementation score** has been included in the scoring model of the World's Best Hospitals project.

- **Patient Reported Outcome Measures (PROMs)** are defined as standardized, validated questionnaires completed by patients to measure their perception of their functional well-being and quality of life.

- **Survey cycle:** In fall/winter of 2023, Newsweek and Statista conducted the **voluntary PROMs implementation survey** to determine the status quo of PROMs implementation, audits and reporting of the data, and whether the PROMs data is used to optimize care process and support therapeutic decisions in real-time.

- This year, Statista has partnered with the **International Consortium for Health Outcomes Measurement** (ICHOM, www.ichom.org) as a knowledge partner. ICHOM is the world's leading non-profit organization dedicated to development of standardized measurement of patient-important outcomes (including PROMs) as a basis for driving value-based health care. ICHOM is contributing to the future development of the PROMs implementation survey, in a manner that can drive not only measurement but use of the data from PROMs (and other patient-important outcomes) to advance value based healthcare.

- A **grading system** for the different questions was built to determine a **PROMs implementation score** for each participating hospital. Only hospitals which achieved a minimum of 50% (of the maximum 100% score) were eligible to be graded and received a maximum of up to 3.5% towards the total score.

- Future survey cycles will be announced on r.statista.com , newsweek.com and via e-mail to registered participants. Registrations can be submitted to: hospitals@statista.com.

SCORE FOR PROMS IMPLEMENTATION

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As a result, the 175 best cardiac hospitals in the U.S. were awarded

Rank	Hospital	City	State	Notable Condition/Surgery
1	Mayo Clinic - Rochester	Rochester	MN	Chronic ischemic heart disease, Heart failure, Coronary artery disease, Heart bypass surgery (CABG), Heart valve surgery, Heart transplant, Coronary angioplasty & stent placement
2	Cleveland Clinic / Sydell and Arnold Miller Family Heart, Vascular & Thoracic Institute	Cleveland	OH	Chronic ischemic heart disease, Heart failure, Coronary artery disease, Heart bypass surgery (CABG), Heart valve surgery, Heart transplant, Coronary angioplasty & stent placement
3	Massachusetts General Hospital / Corrigan Minehan Heart Center	Boston	MA	Chronic ischemic heart disease, Heart failure, Coronary artery disease, Heart bypass surgery (CABG), Coronary angioplasty & stent placement
4	NYU Langone Hospitals	New York	NY	Heart bypass surgery (CABG)
5	Cedars-Sinai Medical Center / Smidt Heart Institute at Cedars-Sinai	Los Angeles	CA	Heart failure, Coronary artery disease, Heart bypass surgery (CABG), Heart valve surgery, Heart transplant

[...]

175 LEADING CARDIAC HOSPITALS WERE AWARDS

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World's Best Hospitals partner network

Overview of involved parties

About Newsweek

Newsweek is a premier news magazine and website that has been bringing high-quality journalism to readers around the globe for over 80 years.

Newsweek provides the latest news, in-depth analysis and ideas about international issues, technology, business, culture and politics. In addition to its online and mobile presence, Newsweek publishes weekly English print editions in the United States, Europe/Middle East/Africa and Asia as well as editions in Japanese, Korean, Polish, Serbian and Spanish.

newsweek.com

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Statista R is a division of Statista. The leading data and business intelligence portal provides an extensive collection of statistics, reports, and insights on over 80,000 topics from 22,500 sources in 170 industries. Find out more at statista.com.

About ICHOM

The International Consortium for Health Outcomes Measurement (ICHOM, www.ichom.org) is the leading non-profit dedicated to transforming healthcare by focusing on what truly matters to patients. They accomplish this by empowering patient and clinical leaders to standardize important clinical, quality of life, function and experience results for health care, and enabling transparent large-scale use to achieve patient-centric health system transformation. ICHOM's standardized 'sets' of patient-centred outcomes measures help all actors in healthcare design, deliver and evaluate care based on outcomes that matter to patients. To date, ICHOM has developed 45 outcome measure sets for conditions. The sets are available in IT-ready interoperable formats and have been implemented in 500+ care settings in 42+ countries.

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Disclaimer

The rankings are comprised exclusively of hospitals that are eligible regarding the scope described in this document. The ranking is the result of an elaborate process which, due to the interval of data-collection and analysis, is a reflection of the last 12 months. Furthermore, events preceding or following the period June 19, 2023 – June 19, 2024, and/or pertaining to individual persons affiliated/associated to the facilities were not included in the metrics. As such, the results of this ranking should not be used as the sole source of information for future deliberations.

The information provided in this ranking should be considered in conjunction with other available information about hospitals or, if possible, accompanied by a visit to a facility. The quality of hospitals that are not included in the rankings is not disputed.

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Appendix

Specific 2022 AHA Annual Survey indicators used

1. Total hospital beds (calculated)*
2. Certified trauma center - hospital
3. Level of trauma center
4. Hospital owns trauma certification
5. Health research – hospital
6. Health screenings - hospital
7. Incorporating workforce as part of strategic planning - conduct needs assessment
8. Incorporating workforce as part of strategic planning - talent development plan
9. Incorporating workforce as part of strategic planning - recruitment & retention planning
10. Computed tomography (CT) scanner – hospital
11. Magnetic resonance imaging (MRI) – hospital
12. Multi-slice spiral computed tomography < 64 slice – hospital
13. Multi-slice spiral computed tomography + 64 slice - hospital
14. Positron emission tomography (PET) – hospital
15. Positron emission tomography/CT (PET/CT) – hospital
16. Ultrasound – hospital
17. Basic interventional radiology - hospital
18. Accountable for meeting health equity goals – CEO
19. Accountable for meeting health equity goals - designated senior executive
20. Accountable for meeting health equity goals - committee or task force
21. Accountable for meeting health equity goals - division/department leaders
22. DEI disaggregated data to inform decisions - patient outcomes
23. DEI disaggregated data to inform decisions – training
24. DEI disaggregated data to inform decisions - professional development
25. Health equity strategic planning - equitable and inclusive organizational policies
26. Health equity strategic planning - systematic and shared accountability for health equity
27. Health equity strategic planning - diverse representation in hospital and health care system leadership
28. Health equity strategic planning - diverse representation in hospital and health care system governance
29. Cardiac intensive care – hospital
30. Pediatric diagnostic catheterization – hospital
31. Adult interventional cardiac catheterization – hospital
32. Adult cardiac surgery – hospital
33. Adult cardiac electrophysiology – hospital
34. Cardiac rehabilitation – hospital
35. Heart transplant – hospital
36. Intensivist FTE cardiac intensive care
37. Closed unit – cardiac intensive care
38. Electron beam computed tomography (EBCT) – hospital

* The number of beds was used as a feasibility check and had no impact on the scoring model

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