

METHODOLOGY

America's Best Orthopedic Hospitals 2024



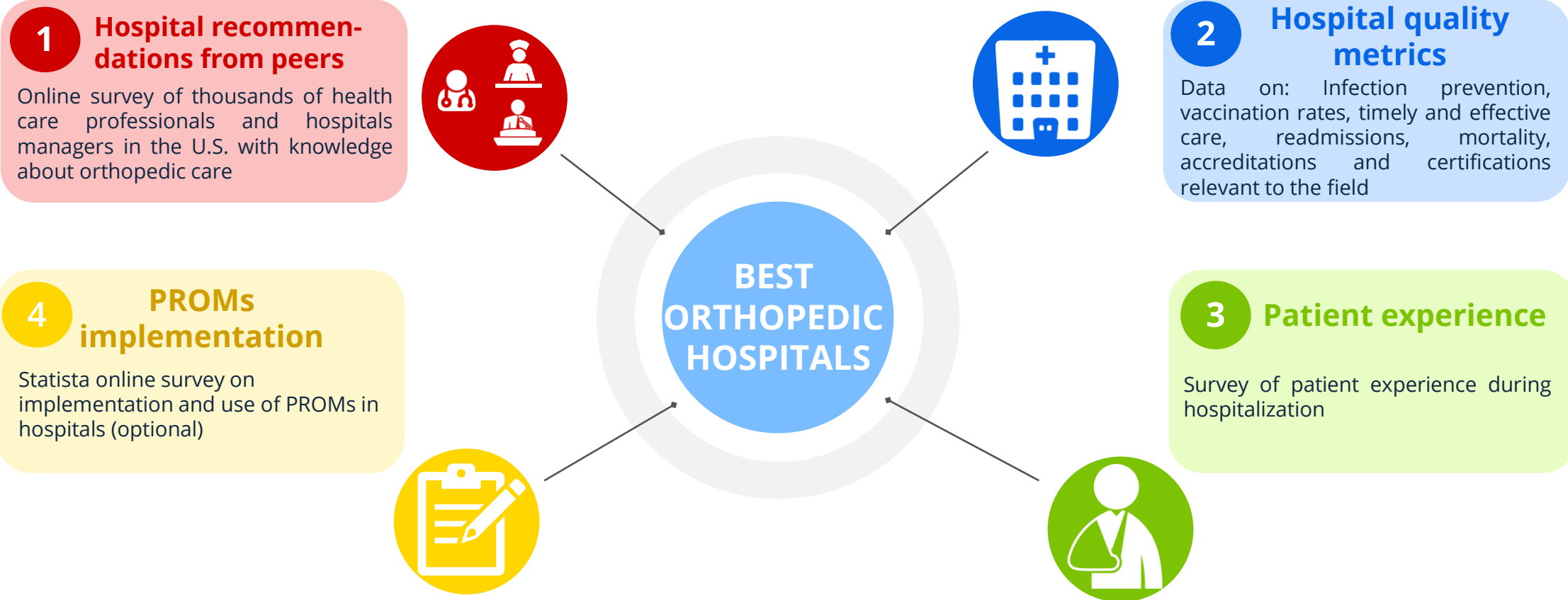
Methodology – America’s Best Orthopedic Hospitals 2024

Summary of the project

- Orthopedics treats everything from sport injuries and orthopedic trauma to joint replacements and bone tumors, affecting a wide range of patients of varying ages ⁽¹⁾. This breadth means that finding the best possible orthopedic hospital for a specific procedure and injury is crucial to the treatment process.
- To provide patients and family members with a comprehensive resource for informed decision making, Statista and Newsweek have partnered to award the leading orthopedic hospitals in the U.S.
- The **America’s Best Orthopedic Hospitals 2024** ranking awards the 175 leading hospitals in the field of **orthopedics** 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 orthopedics e.g., orthopedists, orthopedic surgeons, and orthopedic nurses were asked to recommend leading orthopedic 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 orthopedic 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.

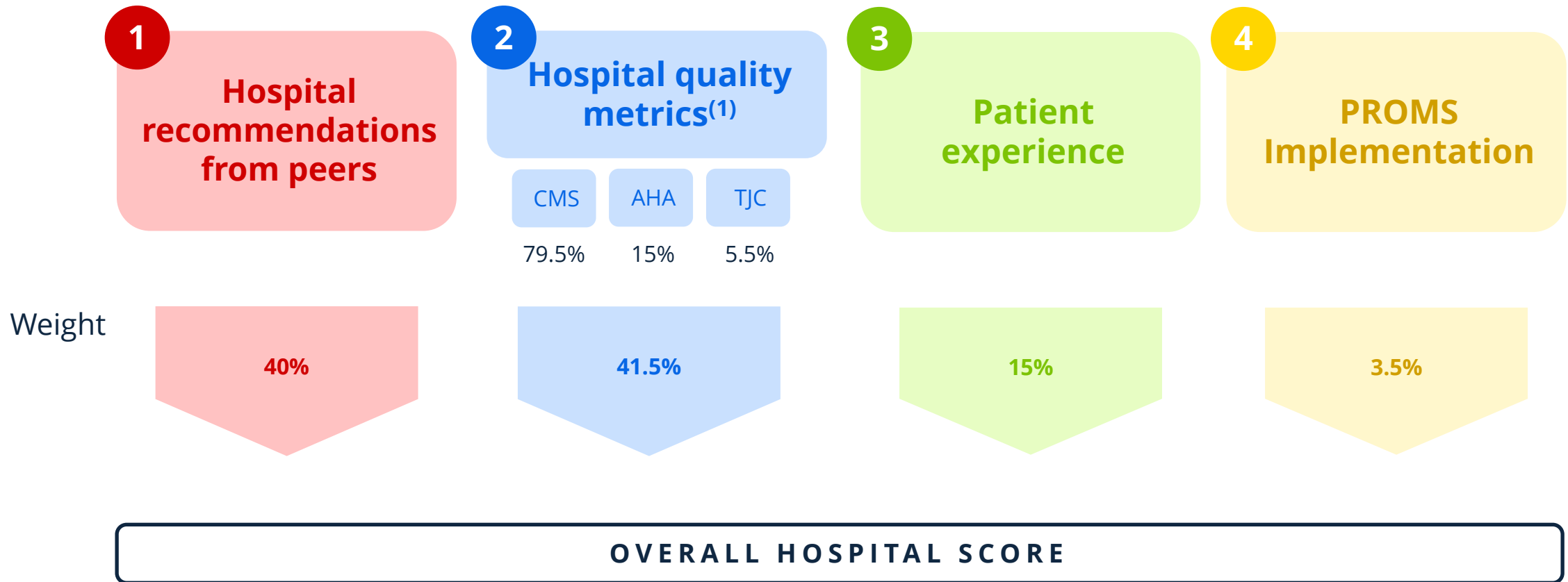
Four data sources were evaluated to identify leading orthopedic hospitals

Ranking process and scoring model



A score was calculated for each hospital

Scoring model

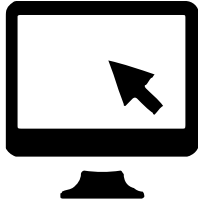
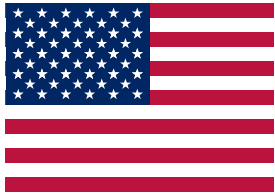


4 | Note: (1) Hospitals need to have a least four measures in order to receive a hospital quality metrics score

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

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

1 Hospital recommendations from peers



Nationwide online survey among health care professionals with knowledge about orthopedics and hospital managers. Participants were invited via e-mail.

Participants were asked to **recommend orthopedic 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, overall nurse staffing, and 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 treatments**:

- Hip replacement surgery
- Knee replacement surgery
- Shoulder replacement surgery
- Ankle surgery
- ACL reconstruction surgery
- Nonsurgical orthopedic treatments

SCORE FOR REPUTATION

Publicly available data on orthopedic hospitals was analyzed

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

2 Hospital quality metrics

- Hospital quality metrics relevant to orthopedic 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. appropriate care for severe sepsis)
 - Imaging (e.g. MRI lumbar spine for low back pain)
 - Readmissions (e.g. rate of readmission after discharge from hospital)
 - Mortality (e.g. complications for hip/knee replacement)
 - Infection Prevention and vaccination rate of staff
 - Patient Satisfaction
- **The Joint Commission (TJC)** data was available for:
 - Hospital Accreditation
 - Advanced Certifications:
 - Advanced Certification Spine Surgery
 - Advanced Total Hip and Total Knee Replacement

SCORE FOR HOSPITAL QUALITY METRICS

Publicly available data on orthopedic 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 Orthopedic 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

- Hospital research & screening
- Trauma center
- Workforce strategic planning
- Technological equipment

Orthopedic specific Indicators

- Computer assisted surgery (CAOS)
- Orthopedic services
- Rehabilitation services
- Prosthetic services
- Arthritis treatment
- Sports medicine

Health Equity

- Health equity goals
- DEI disaggregated data
- Health equity strategic plan

SCORE FOR HOSPITAL QUALITY METRICS

7 Source: (1) [AHA Annual Survey Database™](#)

Notes: (2) This is the most recently available data from AHA
(3) For each available indicator a hospital received one point as part of the hospital quality metrics score
(4) Please find the specific indicators used in the Appendix

Publicly available patient experience data on orthopedic hospitals was analyzed

Methodology: Patient experience data

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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

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

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

Rank	Hospital	City	State	Notable Treatment
1	Hospital For Special Surgery	New York	NY	ACL reconstruction surgery, Ankle surgery, Hip replacement surgery, Nonsurgical orthopedic treatments (e.g., Cortisone injections), Shoulder replacement surgery
2	Mayo Clinic - Rochester	Rochester	MN	ACL reconstruction surgery, Ankle surgery, Hip replacement surgery, Nonsurgical orthopedic treatments (e.g., Cortisone injections), Shoulder replacement surgery
3	NYU Langone Hospitals / NYU Langone Orthopedic Hospital	New York	NY	ACL reconstruction surgery, Hip replacement surgery, Shoulder replacement surgery
4	Massachusetts General Hospital	Boston	MA	ACL reconstruction surgery, Hip replacement surgery, Shoulder replacement surgery
5	Cedars-Sinai Medical Center	Los Angeles	CA	ACL reconstruction surgery, Ankle surgery, Hip replacement surgery, Shoulder replacement surgery

[...]

175 LEADING ORTHOPEDIC HOSPITALS WERE AWARDED

World's Best Hospitals partner network

Overview of involved parties

Newsweek

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.

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About Statista R

Statista R is a world leader in the creation of company, brand, and product rankings and top lists, based on comprehensive market research and data analysis: Statista R recognizes the best. With a team of over 100 expert analysts and in cooperation with more than 40 high profile media brands across all continents, Statista R creates transparency for consumers and business decision makers and helps companies build trust and recognition across a plethora of industries and product categories. Visit [r.statista.com](https://www.r.statista.com) for further information about Statista R and our rankings.

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ICHOM

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.

statista 

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.

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. Magnetic resonance imaging (MRI) – hospital
11. Computed Tomography (CT) scanner – hospital
12. Ultrasound – hospital
13. Arthritis treatment center – hospital
14. Computer assisted orthopedic surgery (CAOS) – hospital
15. Orthopedic services – hospital
16. Physical rehabilitation outpatient services – hospital
17. Prosthetic and orthotic services – hospital
18. Sports medicine – hospital
19. Accountable for meeting health equity goals – CEO
20. Accountable for meeting health equity goals - designated senior executive
21. Accountable for meeting health equity goals - committee or task force
22. Accountable for meeting health equity goals - division/department leaders
23. DEI disaggregated data to inform decisions - patient outcomes
24. DEI disaggregated data to inform decisions – training
25. DEI disaggregated data to inform decisions - professional development
26. Health equity strategic planning - equitable and inclusive organizational policies
27. Health equity strategic planning - systematic and shared accountability for health equity
28. Health equity strategic planning - diverse representation in hospital and health care system leadership
29. Health equity strategic planning - diverse representation in hospital and health care system governance