



World's Best Hospitals 2021

Methodology

Methodology – World's Best Hospitals 2021

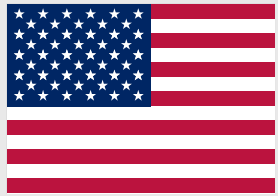
Summary

- The **World's Best Hospitals 2021** ranking lists the best hospitals in 25 countries: **USA, Germany, Japan, South Korea, France, Italy, United Kingdom, Spain, Brazil, Canada, India, Australia, Mexico, The Netherlands, Poland, Austria, Thailand, Switzerland, Sweden, Belgium, Finland, Norway, Denmark, Israel and Singapore.** The countries were mainly selected based on standard of living/life expectancy, population size, number of hospitals and data availability.
- The lists are based on **three data sources**:
 - **Recommendations from medical experts** (doctors, hospitals managers, health care professionals)
 - **Results from patient surveys**
 - **Medical KPIs on hospitals**
- The number of hospitals awarded in each country varies based on the number of hospitals and data availability in the respective country. USA had the most hospitals awarded with 350, while Israel and Singapore were represented with 10 hospitals each. In total, 2,000 hospitals were ranked in this third edition of the ranking.
- Every hospital in each country is rated by a score. **Scores are only comparable between hospitals in the same country**, because different sources for patient experience and medical KPIs were examined in each country. Since it was not possible to harmonize this data, cross-country comparisons of the scores are not possible (example: A score of 90 in country A doesn't necessarily mean that this hospital is better than a hospital with a score of 87 in country B).
- Specialized hospitals like heart or cancer hospitals differ in their offer from general hospitals, and therefore are displayed in a separate list. This list is sorted alphabetically because Hospitals with different specialties are not comparable.
- In the USA, hospitals which made the World's Best Hospitals ranking were also recognized with a **Best-in-State award** in their respective state (does not apply to specialized hospitals). This distinction reflects the fact that these hospitals represent the best hospitals in the respective US state.
- In addition to the country lists, the study includes a **Global Top 200** list. This list includes a ranking of the 100 best global hospitals, ranks 101-200 are sorted alphabetically.

25 countries included in third edition of ranking

Overview of countries and number of awarded hospitals (I/II)

North, Central & South America



USA:
Top 350 Hospitals



Canada:
Top 80 Hospitals



Brazil:
Top 100 Hospitals



Mexico:
Top 55 Hospitals

Oceania

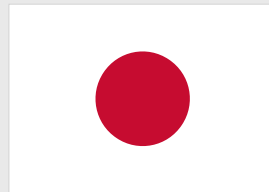


Australia:
Top 60 Hospitals

Asia



South Korea:
Top 135 Hospitals



Japan:
Top 170 Hospitals



Singapore:
Top 10 Hospitals



India:
Top 80 Hospitals



Thailand:
Top 30 Hospitals



Israel:
Top 10 Hospitals

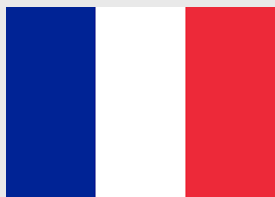
25 countries included in third edition of ranking

Overview of countries and number of awarded hospitals (II/II)

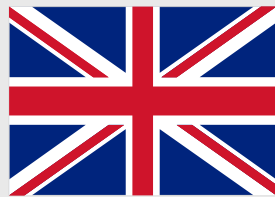
Europe



Germany:
Top 220 Hospitals



France:
Top 125 Hospitals



United Kingdom:
Top 125 Hospitals



Italy:
Top 125 Hospitals



Spain:
Top 100 Hospitals



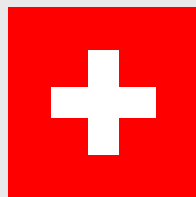
Poland:
Top 50 Hospitals



Austria:
Top 30 Hospitals



The Netherlands:
Top 30 Hospitals



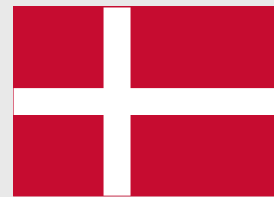
Switzerland:
Top 30 Hospitals



Belgium:
Top 20 Hospitals



Sweden:
Top 20 Hospitals



Denmark:
Top 15 Hospitals

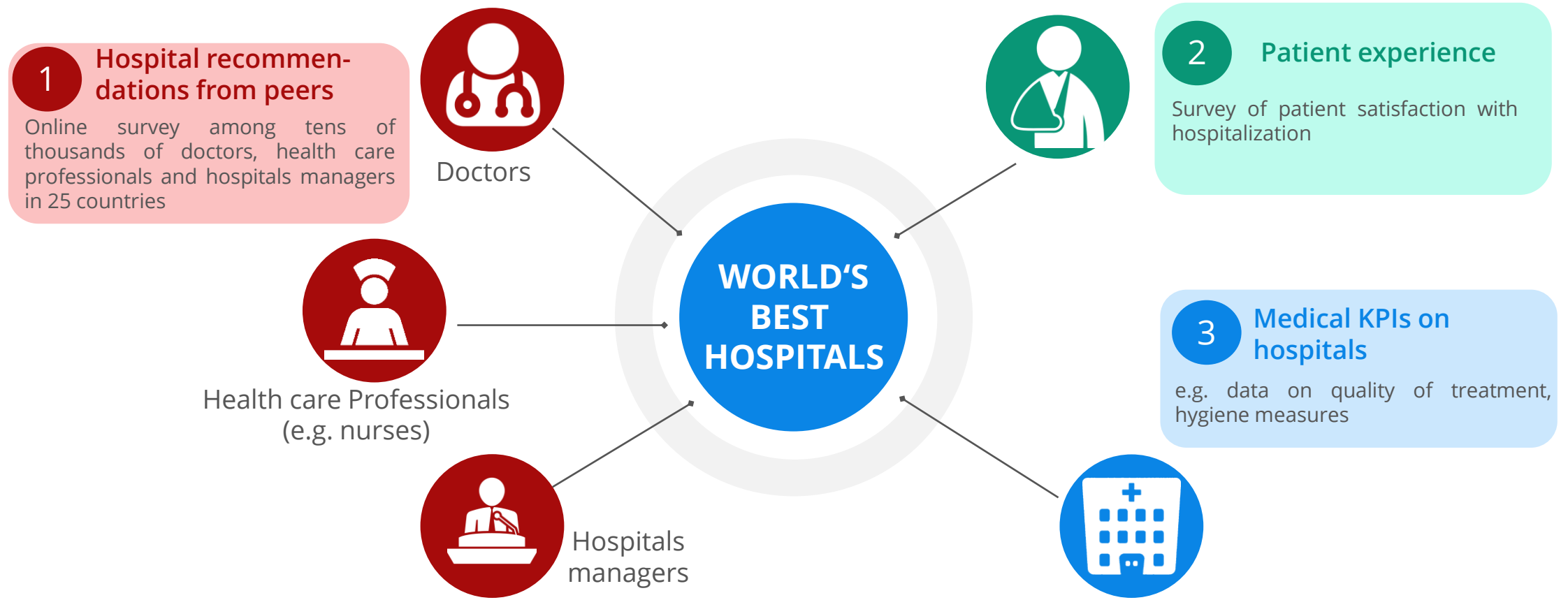


Finland:
Top 15 Hospitals



Norway:
Top 15 Hospitals

Hospital evaluation based on three data sources



Over 74,000 medical experts were invited to the survey

1 Hospital recommendations from peers

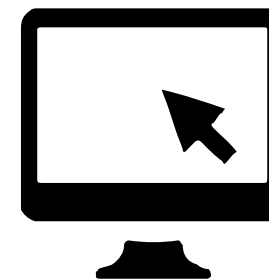
From September to November 2020 Statista, invited tens of thousand of medical professionals (mostly doctors, but also hospital managers and other healthcare professionals, e.g. nurses) in the 25 selected countries to an online survey. The survey was also promoted on newsweek.com.



International online survey among medical professionals in 25 countries



Participants were asked to recommend hospitals in **their own country**⁽¹⁾ as well as in **other countries**⁽²⁾. Recommendations for own employer/hospital were not allowed.



Analysis of national and international recommendations for every hospital in each country.

- (1) Original question: *If the hospital you work for cannot accept a patient for medical treatment (e. g. due to capacity limits, geographical distance, insurance reasons), would there be one or more other hospitals in your country that you would recommend for the patient based exclusively on quality and service?*
- (2) Original question: *Based on quality and service, are there one or more international hospitals (in another country) that you would recommend?*

Existing data on hospitals was collected

Methodology: Patient experience data and hospital KPIs



Patient experience

- Publicly available data from existing patient surveys was used to analyze patient experience⁽¹⁾
- Patient surveys are typically conducted by insurance companies among patients after hospitalization
- Examples of survey topics:
 - General satisfaction with hospital
 - Recommendation of hospital
 - Satisfaction with medical care
 - Satisfaction with service and organization

SCORE FOR PATIENTS EXPERIENCE



Medical KPIs

- Key performance indicators on hospitals from a variety of public sources were collected for most countries⁽²⁾
- The KPIs differ between the countries. Examples of included data:
 - Data on quality of care for specific treatments
 - Data on hygiene measures and patient safety
 - Data on number of patients per doctors / per nurse

SCORE FOR MEDICAL KPIS

(1) Data on patient's experience from official sources was not available for Austria, Denmark, Finland, Norway, Poland, Sweden, Thailand, Belgium, Spain, Mexico, Australia, Canada, Singapore, India, Brazil, Japan and the United Kingdom. In these countries evaluations from Google serve as a substitute but were considered with a lower weight in the scoring model.

(2) Hospital KPIs were not available for Belgium, Denmark, Finland, India, Israel, The Netherlands, Poland, Spain, Mexico, Singapore, Thailand.

A global board of renowned experts validated the ranking

Overview of global expert board



Prof. Dr. David Bates
Professor of Medicine, Harvard
Medical School, USA



Dr. Gary Kaplan
CEO, Virginia Mason
Health System, USA



**Prof. Dr. med.
Christoph Meier**
Director, Department of
Internal Medicine,
University Hospital Zürich,
Switzerland



**Dr. med. Jens Deerberg-
Wittram**
CEO, RoMed Kliniken, Germany



**Dr. Eyal Zimlichman,
MD**
Chief Medical Officer,
Sheba Medical Center,
Israel



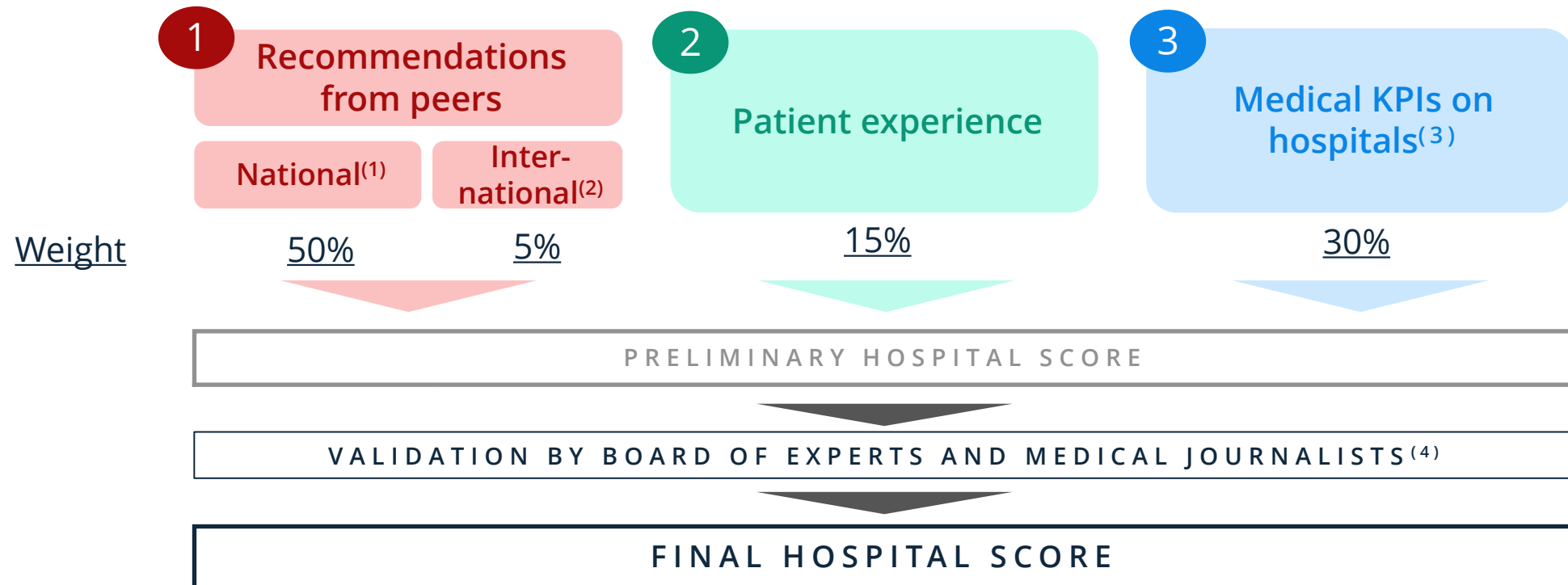
Prof. Dr. Gregory Katz
Chair of Innovation
Management & Value in
Health, University of Paris
Medical School, France



**THE GLOBAL BOARD OF MEDICAL EXPERTS PROVIDED QUALITY ASSURANCE AS WELL AS
METHODOLOGICAL INPUT FOR THE RANKING**

A score was calculated for each hospital

Scoring model



Recommendations from peers (doctors, hospital managers and healthcare professionals) account for 55% (50% national recommendations and 5% international recommendations) of each hospital's score. They are assigned the highest weighting in the calculation of the score because medical experts are able to best assess the quality of a hospital.

(1) Recommendations from peers from the respective country

(2) Recommendations from peers from other countries

(3) In case there is no official KPI data available, the score is calculated by recommendations and patient experience only

(4) The preliminary results were checked for plausibility by a board of experts consisting of renowned medical professionals as well as a medical journalist and his international network. The results of this validation were then incorporated quantitatively in the first criteria (recommendations from peers)

Result: tables of the best hospitals in each country



Example: World's Best Hospitals - USA

Rank	Hospital	Score	City
1	Mayo Clinic - Rochester	98.4	Rochester, MN
2	Cleveland Clinic	92.4	Cleveland, OH
3	Massachusetts General Hospital	89.1	Boston, MA
4	The John Hopkins Hospital	84.6	Baltimore, MD
5	Stanford Health Care - Stanford Hospital	79.9	Stanford, CA

[...]



Example: World's Best Hospitals - Germany

Rank	Hospital	Score	City
1	Charité - Universitätsmedizin Berlin	93.2	Berlin
2	Universitätsklinikum Heidelberg	92.8	Heidelberg
3	Klinikum der Universität München	84.1	München
4	Klinikum rechts der Isar der Technischen Universität München	83.8	München
5	Medizinische Hochschule Hannover	83.3	Hannover

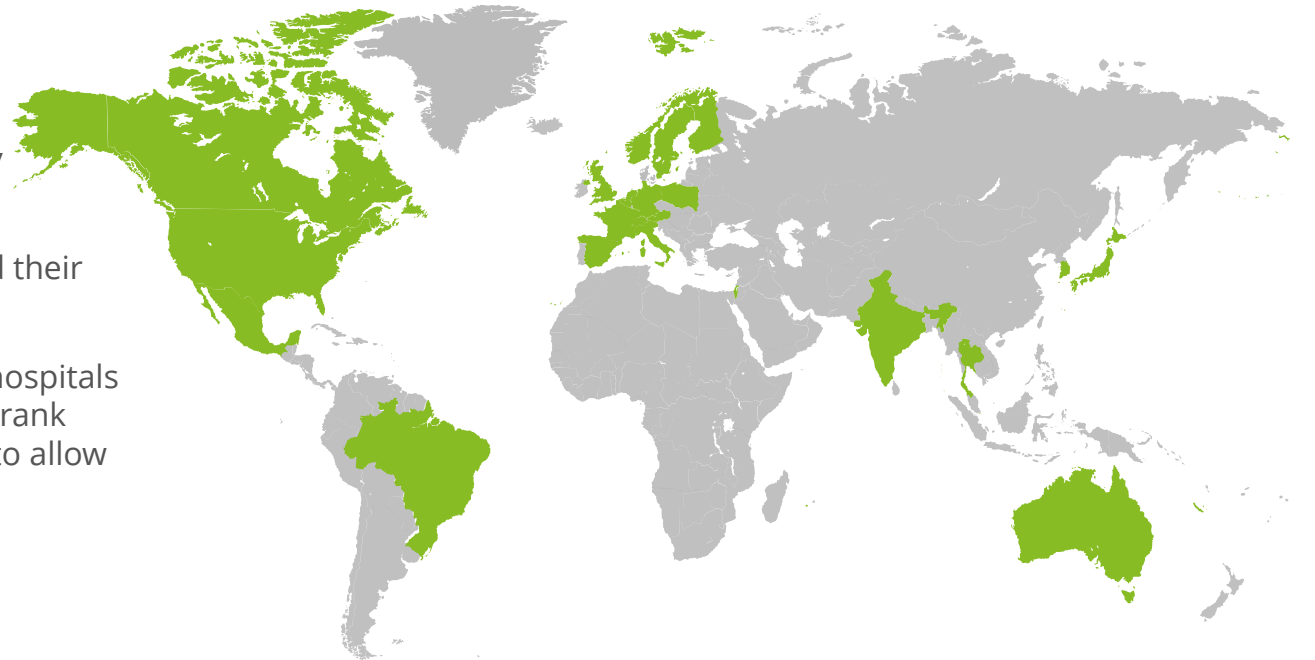
[...]

HOSPITALS WITH THE HIGHEST SCORES IN EACH COUNTRY WERE AWARDED

World's Best Hospitals: Global Top 200 List

Methodology of the Global Top 200 List

- In addition to the country lists the study provides a list of the **Top 200 best hospitals worldwide**. This list is separated into two parts:
 - **Global Top 100 hospitals**, sorted by rank
 - **Global Top 101 to 200 hospitals**, sorted alphabetically
- The top 100 hospitals were determined by the number of international recommendations received in the survey and their national rank.
- Ranks 101 through 200 in the list consist of the next best hospitals in each country. They are sorted alphabetically and not by rank because the data is too heterogenous between countries to allow for further cross-country comparison.
- The global list does not include specialized hospitals.



World's Best Hospitals partner network

Overview of involved parties

The Newsweek logo, featuring the word "Newsweek" in white, bold, sans-serif font on a red rectangular background.

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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The Statista logo, consisting of the word "statista" in a dark blue, lowercase, sans-serif font, followed by a dark blue square icon containing a white stylized "S" shape.

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