

## IBM Watson Health Names Nation's Top Health Systems

### 2019 Study Finds Top-Performing U.S. Health Systems Provide Better Care at Lower Cost than Peers Evaluated in the Study

ARMONK, N.Y., April 22, 2019 /PRNewswire/ -- IBM Watson Health™ (NYSE: [IBM](#)) today published its 15 Top Health Systems™ annual study identifying top-performing health systems in the U.S. based on overall organizational performance. This study spotlights the best-performing hospitals in the U.S. using a balanced scorecard that reviews publicly available data for clinical, operational and patient satisfaction metrics. Conducted annually since 2008, the 15 Top Health Systems study is part of the Watson Health 100 Top Hospitals® program, which leverages advanced data, science and analytics capabilities to calculate hospital and health system performance benchmarks.

The 15 Top Health Systems study found that the top-performing health systems in the country achieved better risk-adjusted outcomes and higher patient satisfaction scores while simultaneously maintaining a lower average cost per patient than other health systems evaluated in the study.<sup>1</sup>

"The multi-year trend toward increased healthcare consolidation<sup>2</sup> has shined a spotlight on health system performance, illuminating both the challenges of coordinating care across multiple facilities and the opportunities that can come with scale," said Ekta Punwani, 100 Top Hospitals® program leader at IBM Watson Health. "The institutions recognized in the IBM Watson Health 15 Top Health Systems study are providing a blueprint for how to improve quality, lower costs and achieve outstanding patient satisfaction on a consistent basis."

Kyu Rhee, M.D., M.P.P., vice president and chief health officer at IBM Watson Health, added: "The growing trend of hospital consolidation into larger, more complex health systems has yielded benefits<sup>3</sup>, but it also has presented challenges to hospital administrators who must now integrate disparate data sets, acquire actionable insights and assure the health of larger communities. These winning health systems are demonstrating the power of aligning best practices, including utilizing data, across multiple hospitals to achieve greater efficiency while delivering a higher overall quality of care."

The following are the key performance measurements on which 15 Top Health Systems showed the most significant average outperformance versus peer group health systems (full study results available [here](#)). Top health systems demonstrated:

- **Fewer Deaths:** Overall, 13.8 percent fewer in-hospital deaths.
- **Fewer Complications and Infections:** Patients experienced 12.6 percent fewer complications and 9.8 percent fewer healthcare-associated infections.
- **Shorter Length of Stay:** A median severity-adjusted length of stay that was one half-day shorter (0.5) than peers.
- **Shorter Emergency Department Wait Times:** Overall, median emergency department wait times that were 38 minutes shorter per patient.

- **Lower Spend:** Combined in-hospital and post-discharge costs were 1.1 percent lower per episode.
- **Higher Patient Satisfaction:** Overall hospital experience, as measured by the Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS), was rated 2.5 percent higher for leading health systems.

The Watson Health 15 Top Health Systems study evaluates health system performance across nine clinical and operational performance benchmarks: risk-adjusted inpatient mortality index, risk-adjusted complications index, mean healthcare-associated infection index, mean 30-day risk-adjusted mortality rate, mean 30-day risk-adjusted readmission rate, severity-adjusted length of stay, mean emergency department throughput, Medicare spend per beneficiary index and HCAHPS score. This year, IBM Watson Health also began testing a series of new measures that update the basic standards of inpatient care, including outpatient imaging efficiency for breast and chest scans, process of care for severe sepsis and septic shock, 30-day all-cause, hospital-wide readmissions, 30- and 90-day episode of care payment measures, excess days in acute care measures and 90-day complication measures.

Extrapolating the results of this year's study, if all Medicare inpatients were similarly situated and received the same level of care as those treated in the Watson Health 15 Top Health Systems facilities:

- More than 60,000 additional lives could be saved;
- More than 26,000 additional patients could be complication-free;
- Healthcare-associated infections would be reduced by 10%; and
- Patients would spend 38 minutes less in hospital emergency rooms per visit.

To conduct the 15 Top Health Systems study, IBM Watson Health researchers evaluated 337 health systems and 2,961 health system member hospitals. All research was based on the following public data sets: Medicare cost reports, Medicare Provider Analysis and Review (MEDPAR) data, and Healthcare Associated Infections (HAIs) and patient satisfaction data from the Centers for Medicare & Medicaid Services (CMS) Hospital Compare website. Hospitals do not apply to participate in the study, and winning hospitals and systems do not pay to market this honor.

For more information, visit [www.100tophospitals.com](http://www.100tophospitals.com).

Here are the leading health systems, by category:

### **Large Health Systems**

Avera Health – Sioux Falls, SD  
 Mayo Foundation – Rochester, MN  
 Mercy – Chesterfield, MO  
 St. Luke's Health System – Boise, ID  
 UCHealth – Aurora, CO

### **Medium Health Systems**

Edward-Elmhurst Health – Naperville, IL

HealthPartners – Bloomington, MN  
Mercy Health, Cincinnati – Cincinnati, OH  
Parkview Health – Fort Wayne, IN  
TriHealth – Cincinnati, OH

### **Small Health Systems**

Asante – Medford, OR  
Aspirus – Wausau, WI  
PIH Health – Whittier, CA  
ProHealth Care – Waukesha, WI  
Spectrum Health Lakeland – St. Joseph, MI

### **About the IBM Watson Health 100 Top Hospitals® Program**

The IBM Watson Health 100 Top Hospitals, formerly the Truven Health Analytics 100 Top Hospitals, program uses independent and objective research to analyze hospital and health system performance. The program's annual studies include [100 Top Hospitals](#), [50 Top Cardiovascular Hospitals](#) and [15 Top Health Systems](#). Organizations do not apply or pay for this honor or pay to promote their award. Award-winning hospitals and health systems prove that better care is possible and provide an example for other organizations to follow across the industry. The 100 Top Hospitals award winners demonstrate top performance on both how patients are cared for under clinical measures and how the hospital performs as an efficient business. 100 Top Hospitals is a registered trademark of Truven Health Analytics, part of the IBM Watson Health business. Visit [100tophospitals.com](https://100tophospitals.com) for more information.

### **About IBM Watson Health**

Watson Health is a business unit of IBM that is dedicated to the development and implementation of cognitive and data-driven technologies to advance health. Watson Health technologies are tackling a wide range of the world's biggest health care challenges, including cancer, diabetes, drug discovery and more. [Learn more](#).

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<sup>1</sup> <https://www.ibm.com/watson-health/services/100-top>

<sup>2</sup> <https://www.commonwealthfund.org/publications/journal-article/2017/sep/health-care-market-concentration-trends-united-states>

<sup>3</sup> <https://www.healthleadersmedia.com/strategy/consolidation-comes-benefits-and-costs?page=0%2C1>

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