The Hospital of 2030:
How Data Will Drive Every Decision

Master's in Healthcare Data Analytics

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CSUN's Healthcare Data Analytics Program

In the hospitals of the future, healthcare data will remain essential for identifying patterns, improving efficiency, and delivering science-backed treatments. It's estimated that healthcare data makes up nearly 32% of the world's data volume.

This wealth of statistical info doesn't just make care more effective, it makes it more personal by giving patients greater autonomy, better experiences and overall improved care.

Looking ahead, we predict data will drive hospitals in the following ways: predicting illnesses, enabling more effective treatments, uncovering data patterns, and supporting affordable, efficient healthcare.

Predict Future Illnesses

Diagnostic analytics are partly built by collecting demographic data such as readmission rates and genetic factors, and analyzing events in a patient's medical chart. This process helps identify patterns and predict potential illnesses or conditions.

Treatment That Works

Similar to diagnostic analysis, prescriptive analysis uses data to help doctors and medical professionals select the most effective treatments. By looking at patient data alongside clinical guidelines, providers can recommend the best evidence–based care for each diagnosis.

At CSUN, the **Master's in Healthcare Data Analytics** gives students the opportunity to practice and hone these decision-making skills in hands-on experiences alongside industry experts and faculty.

Patterns to Better Care

Referred to as discovery analytics, healthcare pros use patterns to investigate newly discovered relationships in care, treatment or patient experiences. Patterns in data helps with new drug development, operational efficiency, strengthen fiscal budgets, and more.

Fast, Affordable Treatment

Data is used by hospitals and medical organizations to improve overall efficiency. It can reveal staffing shortages, peak periods, and opportunities for cost savings. This helps patients receive faster, more affordable care.

CSUN Can Get You There

The number of roles in health data analytics is expected to grow over 46% by mid-2025. Join this growing field with the Master of Science in Healthcare Data Analytics program at CSUN, that provides leading-edge training in data, operational management, and leadership.

Join the healthcare evolution today.

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Treatment That Works
Prescriptive analysis uses data to recommend the most effective treatments.

Patterns to Better Care
Discovery analytics uses data patterns to improve care, efficiency, and innovation.

Predict Future Illnesses
Diagnostic analytics use patient data to identify patterns and predict illnesses.

Fast, Affordable Treatment
Hospital data improves efficiency, staffing, cost savings, and patient care.