
Tracking, Measuring, Studying and Searching Patient Care Data Over Time *Cleveland Clinic, Cleveland, Ohio*

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The Cleveland Clinic Knowledge Program allows physicians and researchers to electronically follow, measure, study and search patient health data over time. The program can be used to track individual patient medical histories, as well as broader patient populations, using electronic medical records, a database of anonymous health information, and an innovative search engine. This ability—called the Knowledge Program—creates a complete health biography of each patient, compiling information across specialties and locations (in-patient, outpatient, rehab, etc.), medications, self-assessments, and follow-up.

Tracking, Measuring, Studying and Searching Patient Care Data Over Time http://my.clevelandclinic.org/neurological_institute/research/knowledgeprogram.aspx

The Cleveland Clinic Knowledge Program allows physicians and researchers to electronically follow, measure, study and search patient health data over time. The program can be used to track individual patient medical histories, as well as broader patient populations, using electronic medical records, a database of anonymous health information, and an innovative search engine. For individual patients, the Knowledge Program creates a complete health biography of each patient, compiling information across specialties and locations (in-patient, outpatient, rehab, etc.), medications, self-assessments, and follow-up. Health status measures are embedded into every patient encounter, fostering customized patient care.

For broader research, the program can access segments of anonymous patient data that can be searched, studied and analyzed to better understand patient outcomes, taking into account the continuum of care – patient health awareness, delivery of care, treatment effectiveness, patient response and quality of life. As a validated approach to care using evidence-based medicine, the program allows physicians to see how patients respond to treatments, both individually and as a larger population.

The Knowledge Program was developed in Cleveland Clinic's Neurological Institute, which treats more than 14,000 patients annually, making it one of the busiest centers for neurological diagnosis and treatment in the country. Cleveland Clinic is currently rolling out the Knowledge Program across its entire health system. Patients record self assessments in one of three ways: through MyChart (a Cleveland Clinic web-based personal health record), a hand-held electronic tablet or by a caregiver. The Program is a powerful tool when demonstrating improved efficiency and outcomes to payors, government agencies, and the public, while possibly leading to incremental improvements to standard-of-care guidelines.

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