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## Beyond Data Capture to Practice Change

Clinical Information Systems (CIS) are considered key enablers in supporting optimal care delivery. Systems that embed practice guidelines, offer decision support, and mirror recommended practice approaches provide the basis for a quality culture in support of patient/family-centered care.

This presentation will demonstrate real-time application of a Provincial Diabetes Registry by front-line providers.

The reporting functionality of the system will be profiled with emphasis on:

**Reporting to/by individual care provider:** the confidential *Physician/Nurse Practitioner (NP) Report* allows staff to succinctly convey pertinent details about a patient's progress and care plan. The *Physician/NP Patient List* provides providers a list of their patients seen during a specified period along with the most recently recorded clinical and assessment measures.

**Outcome measures for stratified populations:** The *Advanced Clinical Indicator Report* assists with quality improvement and helps to understand the local patient population. Users select a specific period of time (up to the current date); define the population to be reviewed by visit type, age or age range, sex, and diabetes type; and then select up to 4 key indicators with specific values or range of values (e.g., eGFR, 30-60mL/min; A1C, <7%; BP, >140/90; etc.). The report generates a list of cases that meet both the chosen population characteristics and all the required indicators.

**Patient letters/tools.** Discharge and transition letters.

Examples will demonstrate how data becomes valued information to enhance communication, build relationships, provide added service to referring providers, foster shared/focused care, result in practice/program change, and improve outcomes.