Slide 1

CIHI's Mental Health Data: Answering Questions at the Point and Across the Spectrum of Care

Canadian Institute for Health Information
Institut canadien d'information sur la santé

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Slide 3

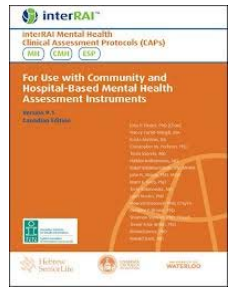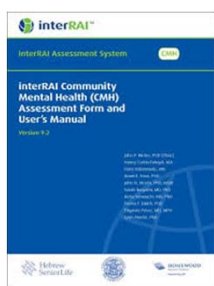Collect Once…

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Slide 2

Agenda

- Collect Once, Use Many
- Point of Care Decision Support
- Evidence Informed Organization Management
- Evidence Informed System\Policy Decisions
- Integration of Information Across Sectors

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Slide 4

Comprehensive Inpatient and Community Mental Health Assessments

interRAI
interRAI Mental Health
Clinical Assessment Protocols (CAPs)
MH CMH ESP
For Use with Community and Hospital-Based Mental Health Assessment Instruments
Version 9.1
Canadian Edition

interRAI
interRAI Assessment System CMH
interRAI Community Mental Health (CMH) Assessment Form and User's Manual
Version 9.2

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interRAI MH Assessment Domains

Administrative	Mental status	Substance use/excessive behaviour	Harm to self or others
Cognition	Functional status	Communication and vision	Health conditions
Medications	Service utilization and treatments	Nutritional status	Employment, education, and Finances
Social relationships	Discharge Resources	Behaviour	Control procedures (restraints)

Mental Health Assessments are a portion or 'module' of the EHR

- Canadian Approved Standard (2014)
  - RAI-Mental Health
  - InterRAI Community Mental Health

Canada Health Infoway Inforoute Santé du Canada

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Standardizing Mental Health Inputs for the EHR

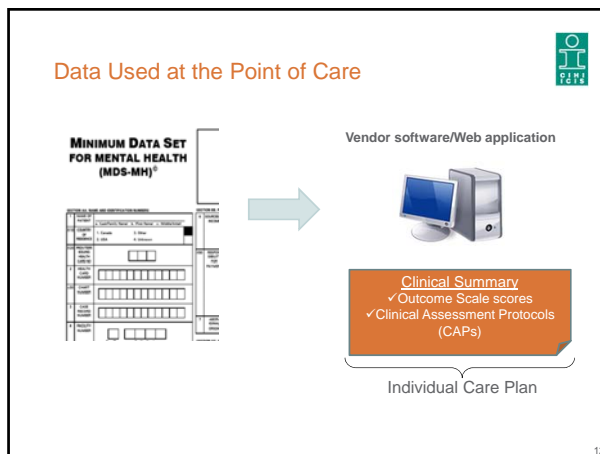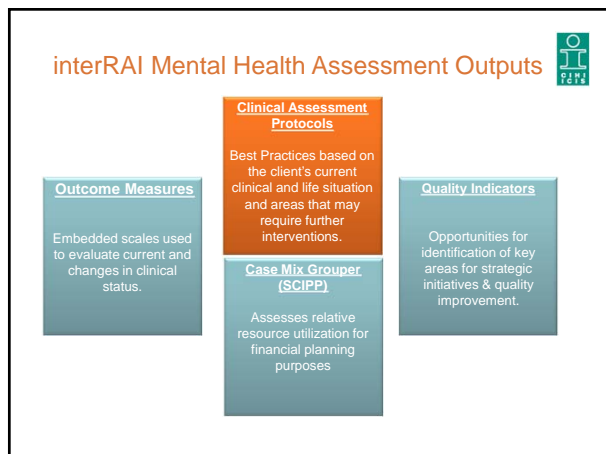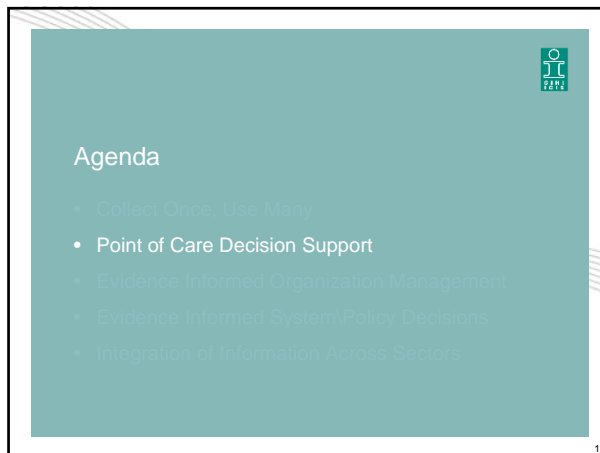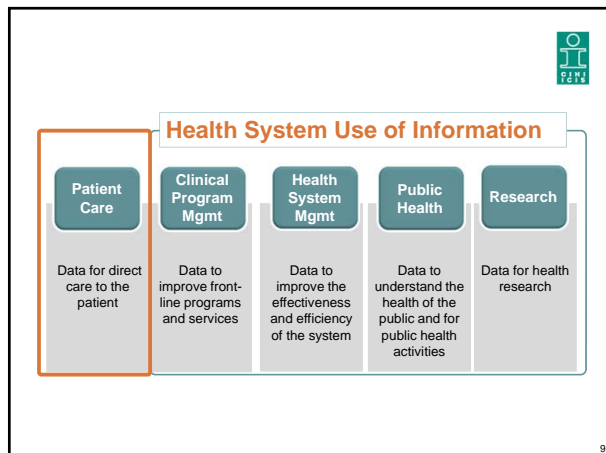| Collected and entered once by:	Example of data used in mental health assessment:
Patient/client registration staff	Date of birth; health card number
Psychiatrist	Diagnostic information; medication
Nursing	Indicators of mood disturbance; skin problems; medication refusal
Occupational Therapy	Self-care; managing finances
Social Work	Social relationships and interpersonal conflict; family roles

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…use many

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Slide 9

Health System Use of Information

Patient Care	Clinical Program Mgmt	Health System Mgmt	Public Health	Research
Data for direct care to the patient	Data to improve front-line programs and services	Data to improve the effectiveness and efficiency of the system	Data to understand the health of the public and for public health activities	Data for health research

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Agenda

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Slide

interRAI Mental Health Assessment Outputs

Clinical Assessment Protocols
Best Practices based on the client's current clinical and life situation and areas that may require further interventions.

Outcome Measures
Embedded scales used to evaluate current and changes in clinical status.

Case Mix Grouper (SCIPP)
Assesses relative resource utilization for financial planning purposes

Quality Indicators
Opportunities for identification of key areas for strategic initiatives & quality improvement.

Slide 12

Data Used at the Point of Care

MINIMUM DATA SET FOR MENTAL HEALTH (MDS-MH)®

Vendor software/Web application

Clinical Summary
✓Outcome Scale scores
✓Clinical Assessment Protocols (CAPs)

Individual Care Plan

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Importance of the Point of Care Approach

- Temporal\Relational Proximity
  - Real-time outputs
- Engagement of clinical staff
  - In the assessment
  - With other team members
- Better data quality—better assessments
- Evidence based clinical decision support
- Better patient\client care

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Informed Organizational Management?

Comprehensive information to inform:

- Program planning
- Resource allocation (SCIPP)
- Staff training requirements
- Quality improvement (benchmarking with peers)

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Agenda

- Collect Once, Use Many
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- **Evidence Informed Organization Management**
- Evidence Informed System/Policy Decisions
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Community of Practice: Mental Health and Addictions Quality Initiative (MHAQI)

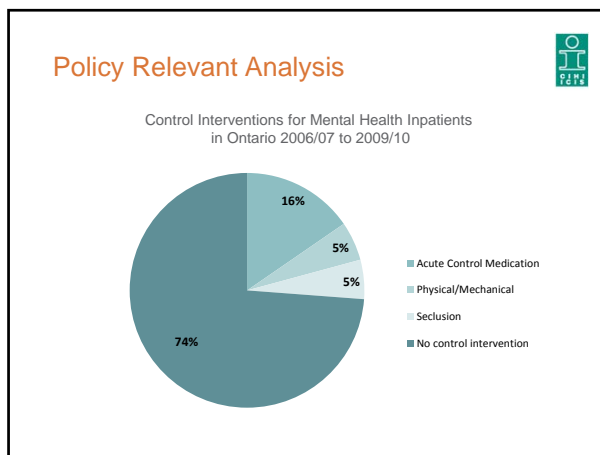**Mental Health & Addictions Quality Initiative Comparison Scorecard - Q4 2012-2013**

Domain	Indicator	Definition	camh Q4	camh YTD	Homewood Q4	Homewood YTD	Ontario Shores Q4	Ontario Shores YTD
Client Complexity	# of Reasons for Admission	% of clients admitted in the period with more than 1 reason for admission	66%	65%	74%	76%	87%	77%
	# of Diagnoses	% of clients with more than one diagnosis at discharge	42%	46%	63%	65%	50%	54%
Client Outcomes	Readmission Rate	% of clients re-admitted to the same facility within 30 days of discharge/Total admissions in the period	12.6%	11.8%	4%	4%	7%	8%
	Self Care Index	% of clients with a decrease in severity score from admission to discharge	65%	64%	76%	78%	52%	53%
Client Access	% ALC Days	# of ALC days during period/ # MH patient days in period x 100	19.2%	18.6%	2%	2%	16%	16%
Client Safety	Restraint Use	Prevalence of **acute control medication** use – percentage of patients whose admission assessment submitted during the quarter reported use of chemical restraint.	11.9%	10.5%	7%	5%	17%	16%

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Agenda

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Policy Relevant Analysis

Control Interventions for Mental Health Inpatients
in Ontario 2006/07 to 2009/10

- Acute Control Medication
- Physical/Mechanical
- Seclusion
- No control intervention

16%
5%
5%
74%

Answers to System Level Questions

Population Served
- In what environments do persons live prior to admission to mental health care?

Health Outcomes
- What is the severity of illness (depression, psychosis) of individuals upon admission to inpatient care\community care and how does this change by discharge?

Quality and Safety
- How many individuals are discharged while still at risk of harm to self or others?

Resource Utilization
- How does relative resource utilization vary between organizations/regions/sectors?

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Agenda

- Collect Once, Use Many
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- **Integration of Information Across Sectors**

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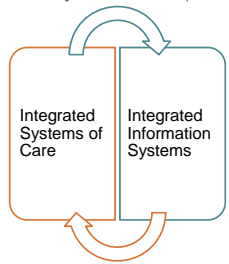## Why Integrated Mental Health Care is Significant

- Difficulty navigating care system
- Lack of social supports
- Lack of financial means
- Relatively transitory
- Questions of insight into illness
- Comorbid conditions (addictions)
- Repeat hospitalization
- Clinical practice guidelines

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Models of Collaborative Mental Health Care

- Shared Care Model
- Assertive Community Treatment (ACT)

Integrated Systems of Care — Integrated Information Systems

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Clinical Practice Guidelines

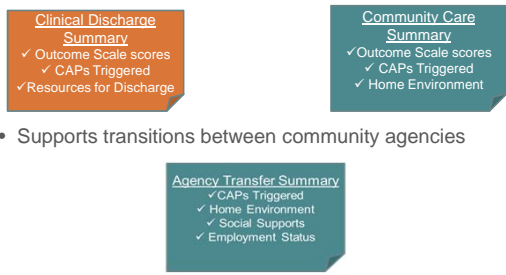- *All patients should have access to a comprehensive continuum of services that provides continuity of care….*
- *Patients must not be allowed to fall between various components of the treatment system.*
- *The continuum of care should include… community-based rehabilitation, assertive community treatment programs….*

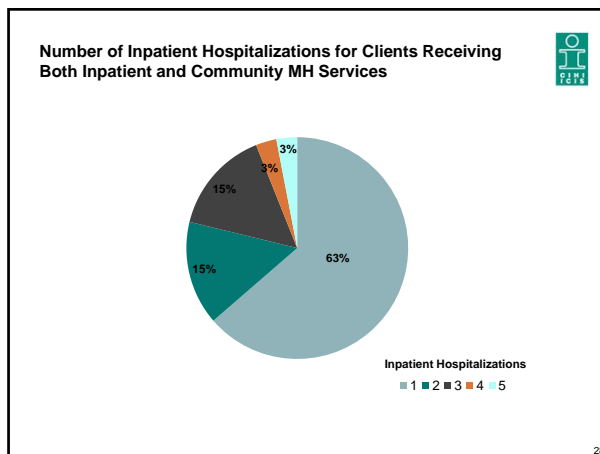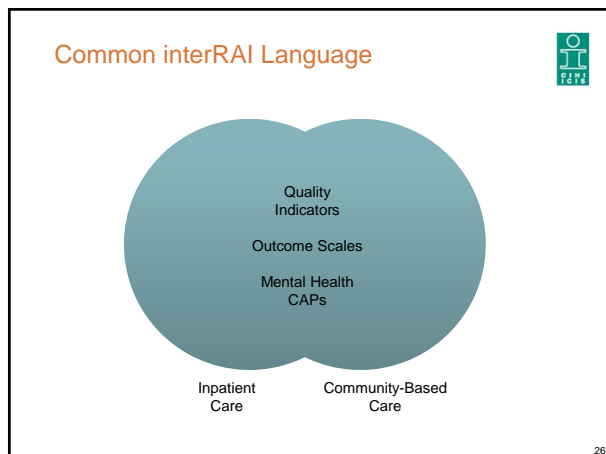 – … **CLINICAL PRACTICE GUIDELINES Treatment of Schizophrenia, Canadian Psychiatric Association, 2005**

Integrated Electronic Patient Record for Transitional Care

- Supports transitions between hospital and community agency

Clinical Discharge Summary
✓ Outcome Scale scores
✓ CAPs Triggered
✓ Resources for Discharge

Community Care Summary
✓ Outcome Scale scores
✓ CAPs Triggered
✓ Home Environment

- Supports transitions between community agencies

Agency Transfer Summary
✓ CAPs Triggered
✓ Home Environment
✓ Social Supports
✓ Employment Status

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interRAI MH and interRAI CMH: A Common Platform

110 Core Items

MH
66 Items

CMH
75 Items

220 Other Shared Items

471 Items Total

interRAI and Newfoundland & Labrador

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Common interRAI Language

Quality Indicators

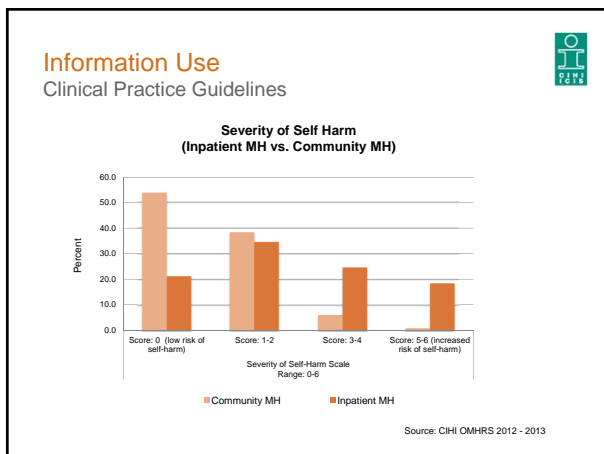Outcome Scales

Mental Health CAPs

Inpatient Care

Community-Based Care

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Number of Inpatient Hospitalizations for Clients Receiving Both Inpatient and Community MH Services

3%
3%
15%
15%
63%

Inpatient Hospitalizations
1 2 3 4 5

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Percentage of Triggered Clinical Assessment Protocols (CAPs) for Clients Receiving Both Inpatient and Community MH Services

Note: patients admitted to inpatient MH bed before received CMH services. Inpatient CAPs were based on Discharge Assessment, and CMH CAPs were based on First CMH Assessment.

Data source: Ontario Mental Health Reporting System (FY2010-2012), CIHI

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A Spectrum of Services

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Slide

Information Use
Clinical Practice Guidelines

**Severity of Self Harm
(Inpatient MH vs. Community MH)**

Source: CIHI OMHRS 2012 - 2013

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A Spectrum of Mental Health Assessments

> interRAI Suite of Assessments
  – Inpatient Mental Health (MH)
  – Community Mental Health (CMH)
  – Emergency Screener for Psychiatry (ESP)
  – Child and Youth Mental Health (ChYMH)
  – Brief Mental Health Screener (BMHS)
> Modules Under Development:
  – Forensic\Corrections
  – Addictions

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Better data.
Better decisions.
Healthier Canadians.

CIHI
Reports
Assessment
Outputs
Information into action
Care planning
Program planning

13
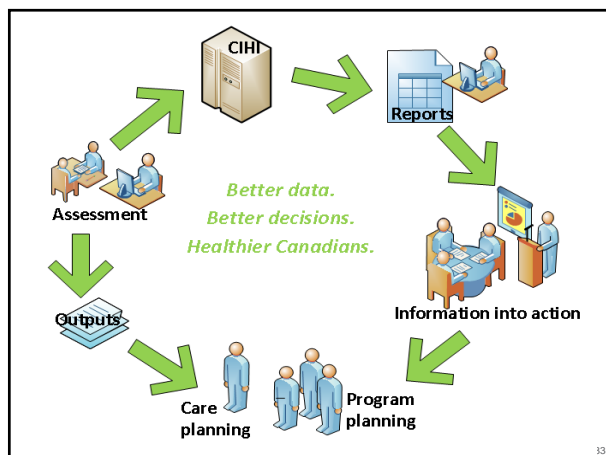
Thank You

nmadi@cihi.ca

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Better Client Care

Care teams that speak the same language

Use of common measures to plan, evaluate, and adjust care

Better flow of information

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