

Expanding the Data Repository: New Technology and Resources for the 21st Century

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UNIVERSITY OF MANITOBA | Faculty of
Medicine
Community Health Sciences

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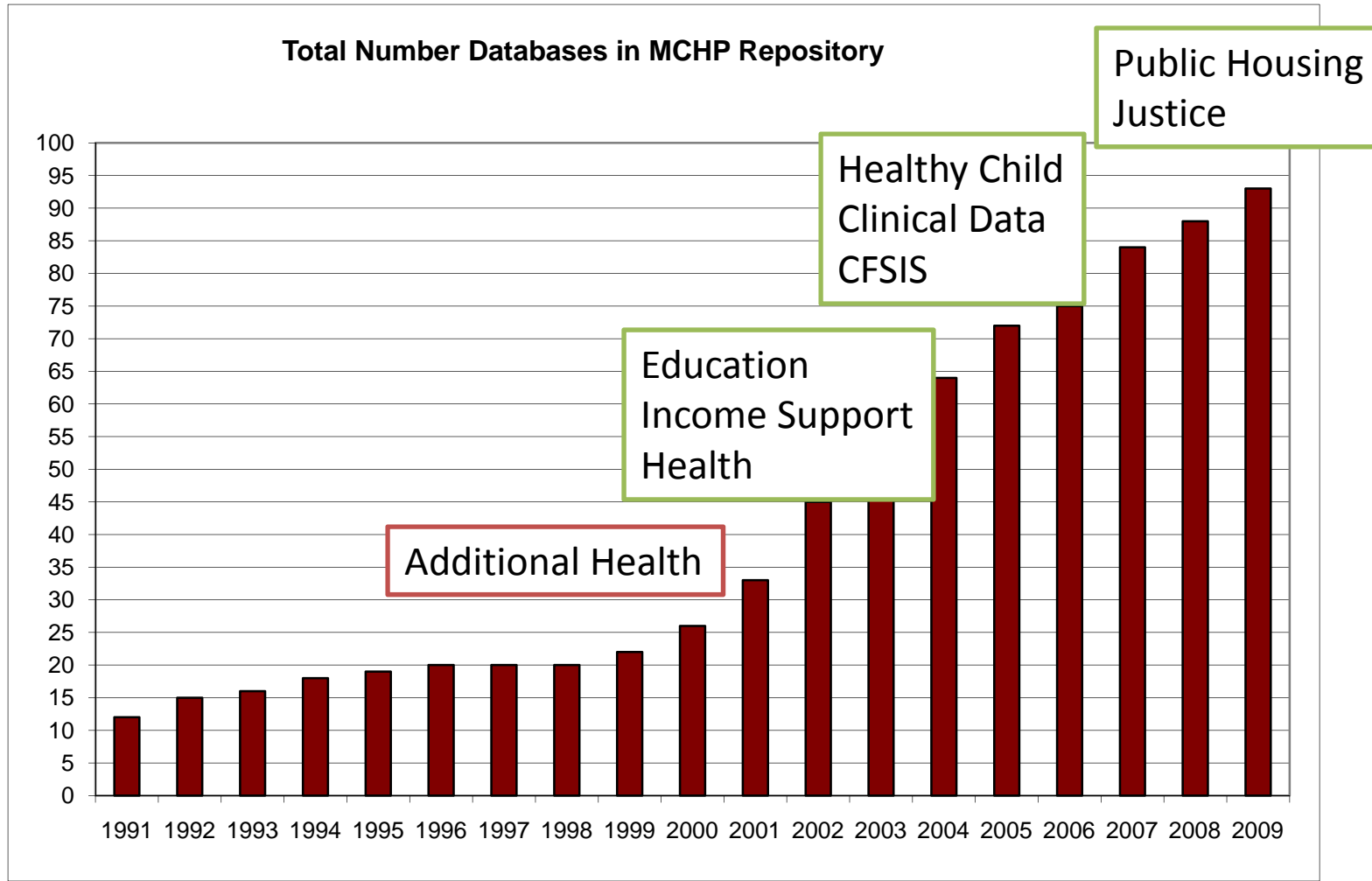
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Expanding the Data Repository: New Technology and Resources for the 21 Century

**From there to here, and
here to there, ...** (1960, Dr. Seuss)

Charles Burchill
Manitoba Centre for Health Policy

Growth In Data Holdings



Current Holdings

http://umanitoba.ca/medicine/units/mchp/protocol/media/database_list_colour.pdf

Population Health Research Data Repository

Health

Administrative

- ▣ [Hospital](#)
- ▣ [Medical](#)
- ▣ [Drug](#)
- ▣ [Immunization](#)
- ▣ Longterm care
- ▣ [MIS](#)
- ▣ Public Health
- ▣ Home Care
- ▣ [Mental Health](#)
- ▣ Health Links
- ▣ [Emergency](#)
- ▣ Waiting lists
- ▣ Remote Consult

Survey

- ▣ [CCHS](#)
- ▣ [NPHS](#)
- ▣ MB Heart

Clinical

- ▣ Alcohol
- ▣ [Bone mineral density](#)
- ▣ Genetics
- ▣ Pediatric diabetes
- ▣ MRI

De-Identified Data Files - Separate but Linkable -

Registries

- ▣ Manitoba Health Insurance Registry
- ▣ Vital Statistics - mortality
- ▣ Provider Registry
- ▣ Metis Registry

Social

Healthy Child Manitoba

- ▣ Baby First Evaluation
- ▣ Baby First Screening
- ▣ Families First Screening
- ▣ Early Development Instrument
- ▣ Healthy Baby

Community and Social Services

- ▣ Child & Family Services Information System
- ▣ Child Day Care
- ▣ Income/Employment Assistance
- ▣ City of Winnipeg Housing
- ▣ Social/Recreational Programs

Survey Social Data: [Census](#)

Education

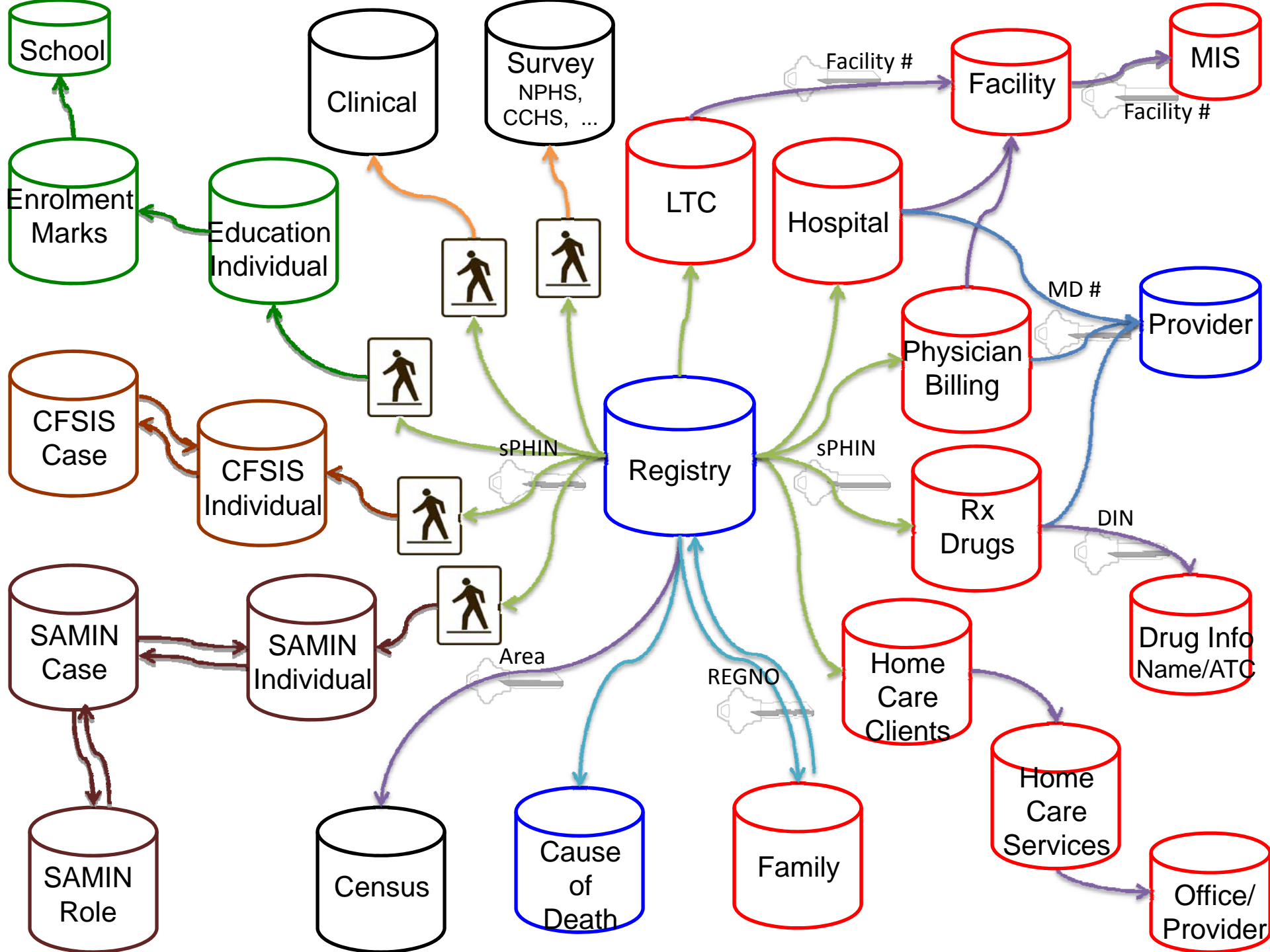
- ▣ [Manitoba Schools](#) - including Winnipeg
- ▣ Post-Secondary - [Red River College](#)

Database Support

- ▣ Drug data support files
- ▣ Conversion files (e.g., postal code, ICD)
- ▣ Case mix files (e.g., CMG, ACG)
- ▣ Facilities
- ▣ Electronic User Site Locator
- ▣ Tariff and fee tables
- ▣ Mapping/electronic boundary files
- ▣ Population counts
- ▣ Training feasibility research

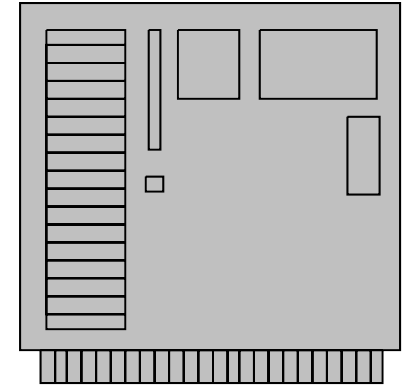
Justice

- ▣ Incident Reporting System



Systems

- Systems
 - UNIX
 - RAS (Remote Access Site)
 - Thin Clients
 - Vetting
 - Two level Authentication



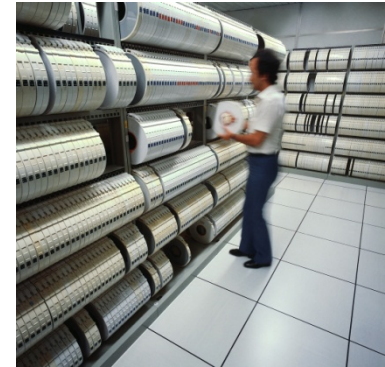
Analytics

- SAS



Storage & Access

- Flat Files Base SAS SPDS
- **SPDS** (Scalable Performance Data Server)
 - Increased Access Control
 - Better Auditing
 - SQL Based
 - Efficient queries
 - Views (controlled access)



Keeping it Straight

- Accreditation
- Continuing Education



Manitoba Centre for Health Policy

www.umanitoba.ca/faculties/medicine/units/mchp/

