



Manitoba's Provincial Lab Information System

The Clinical and Operational Benefits of
Bringing a Province Together

Charles Conway, Catherine Moylan



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA

Diagnostic Services Manitoba

- Manitoba's public sector diagnostic healthcare service provider
- Responsible for:
 - All public laboratory services
 - Rural diagnostic imaging services



THE GOAL



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA

Diagnostic Informatics Vision

- To continually improve the quality, timeliness, and sustainability of the Diagnostic and Digital Imaging services provided to Manitobans, by:
 - Integrating with the upstream and downstream providers of patient care
 - Standardizing solutions across the province
 - Improving the flow of images and results
 - Delivering solutions and services efficiently



The Virtuous Cycle



THE PROVINCIAL LIS PROJECT



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA

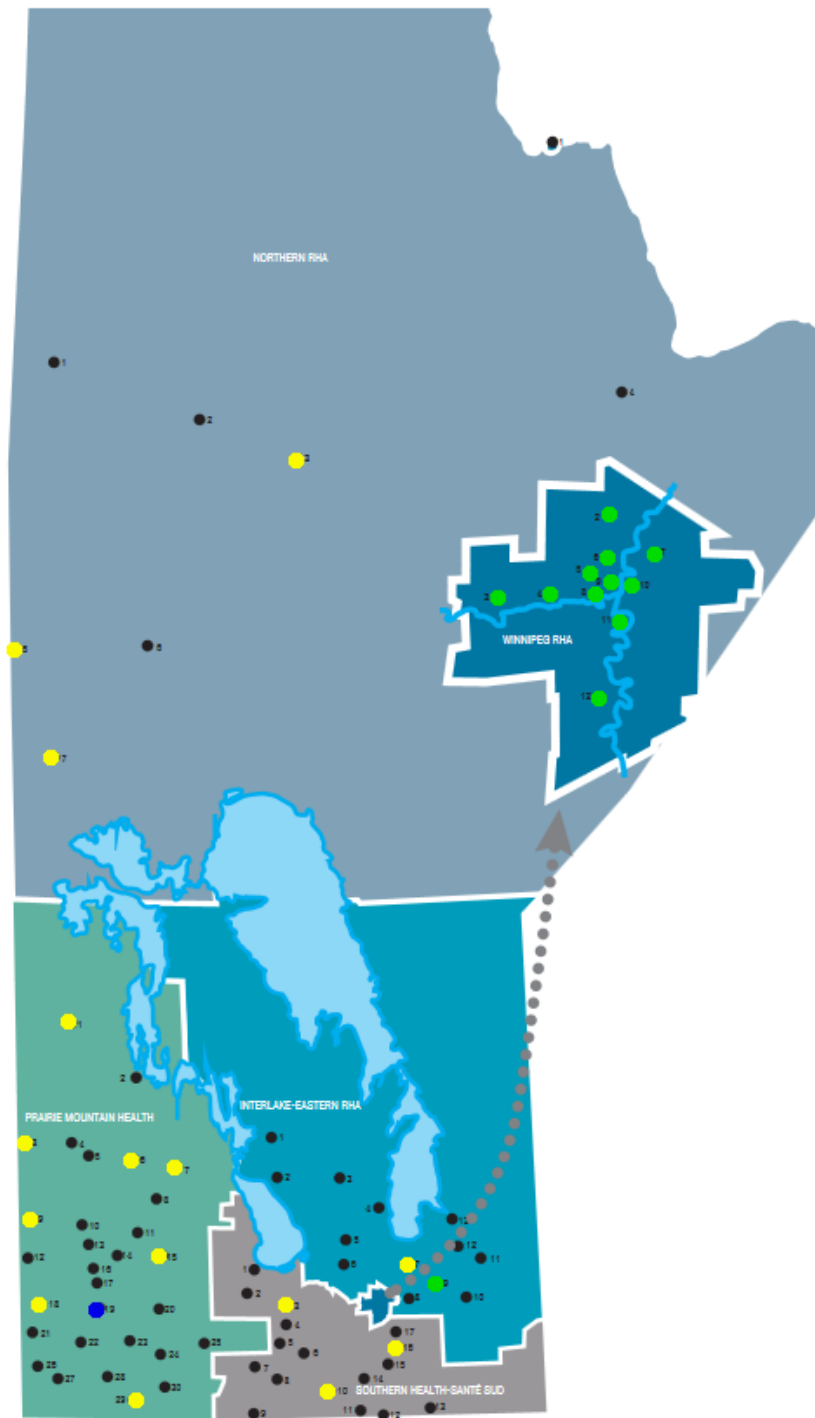
PLIS Objective

The PLIS project will implement a single provincial LIS in DSM public laboratories within **48** months of the initiation of the project

- Automate up to **66** DSM laboratory sites with the Delphic LIS
- Upgrade the servers and associated infrastructure of the current Delphic LIS; upgrade to the latest Delphic version v9.0



PLIS Status Sep 2013

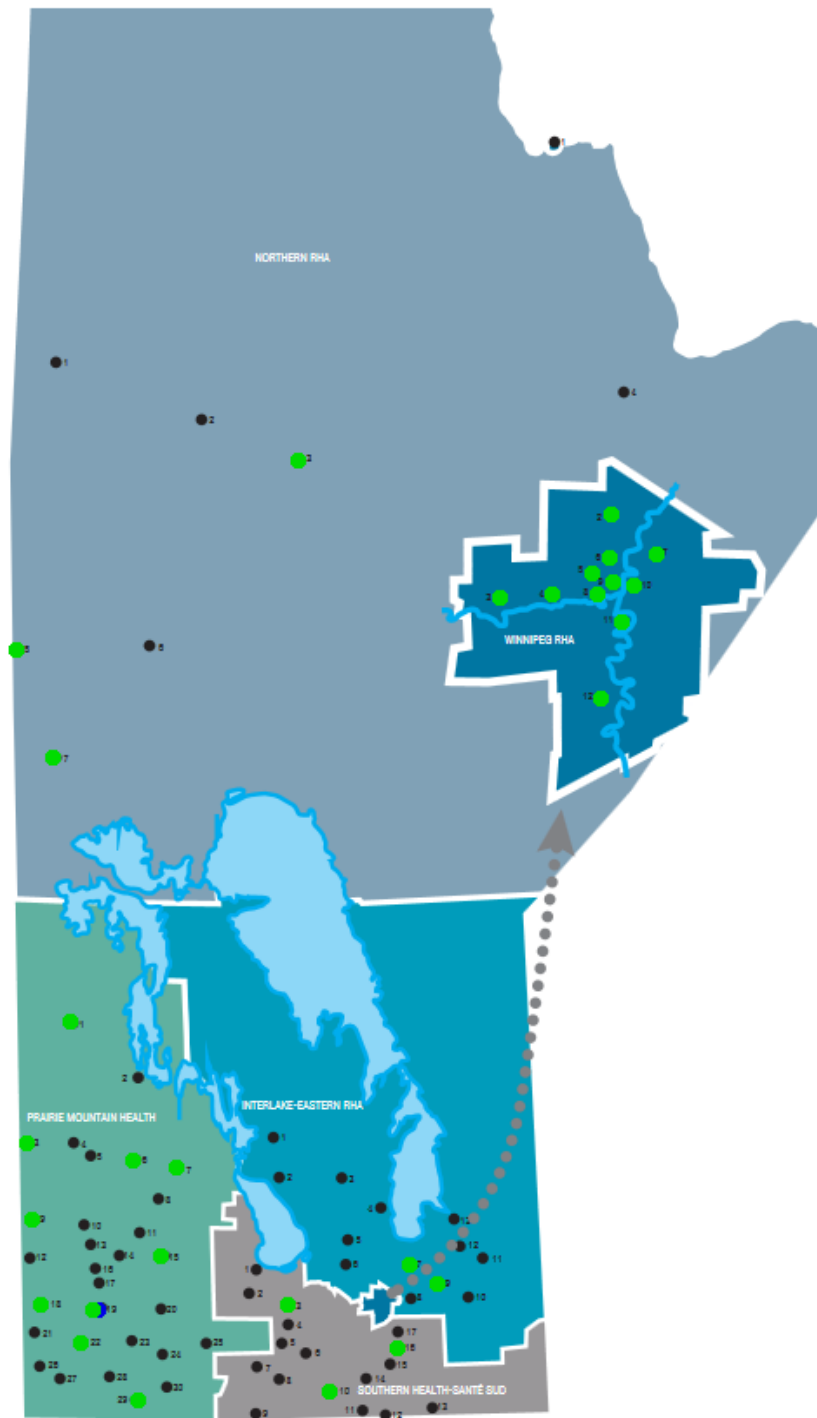


DIAGNOSTIC SERVICES
MANITOBA

PLIS Status Mar 2015



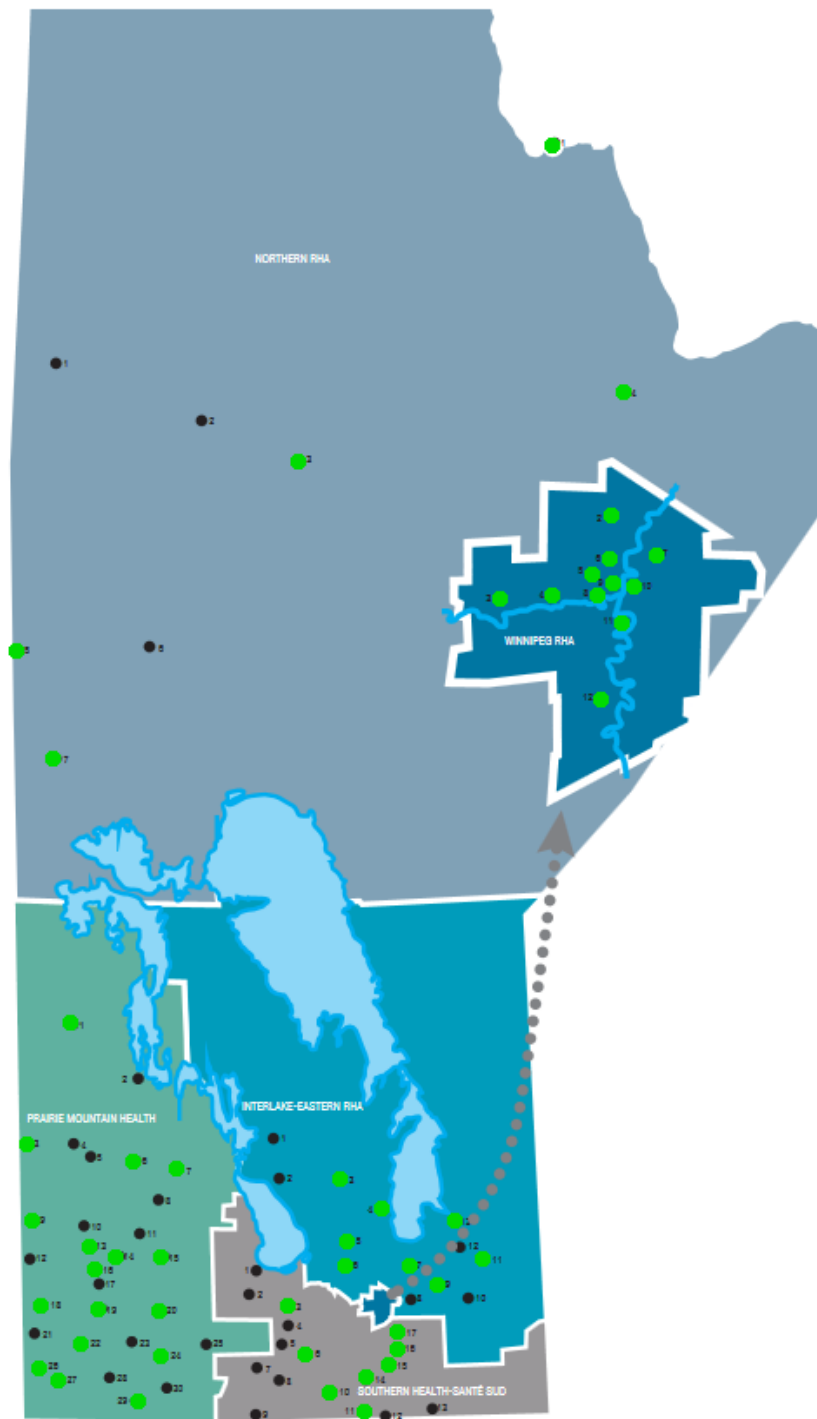
DIAGNOSTIC SERVICES
MANITOBA



PLIS Status Mar 2016

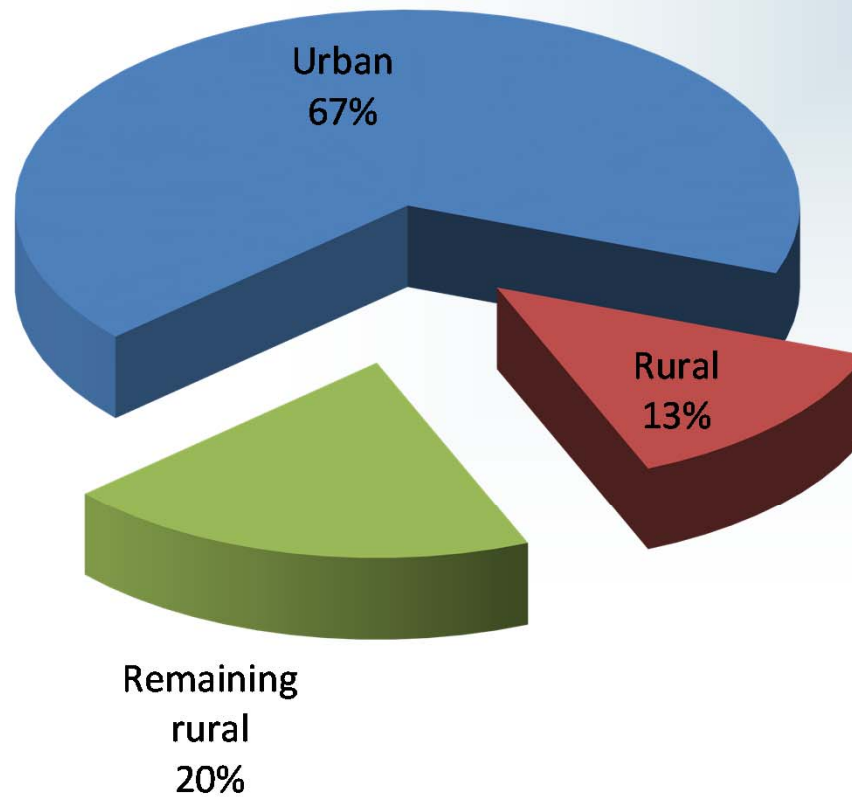


DIAGNOSTIC SERVICES
MANITOBA



2014 Test Volumes by Worklab

(actual & estimate)

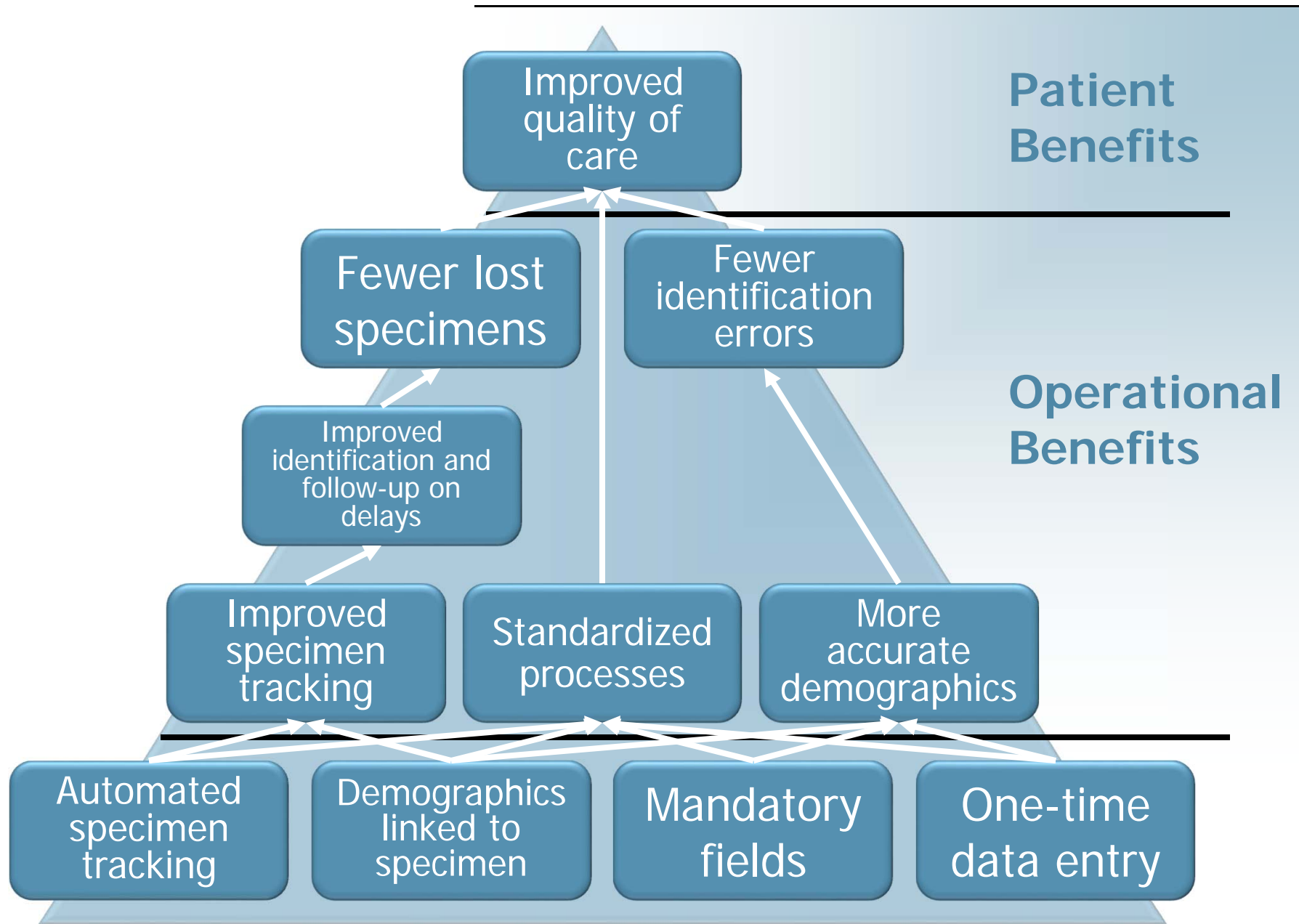


RESULTS: QUALITY

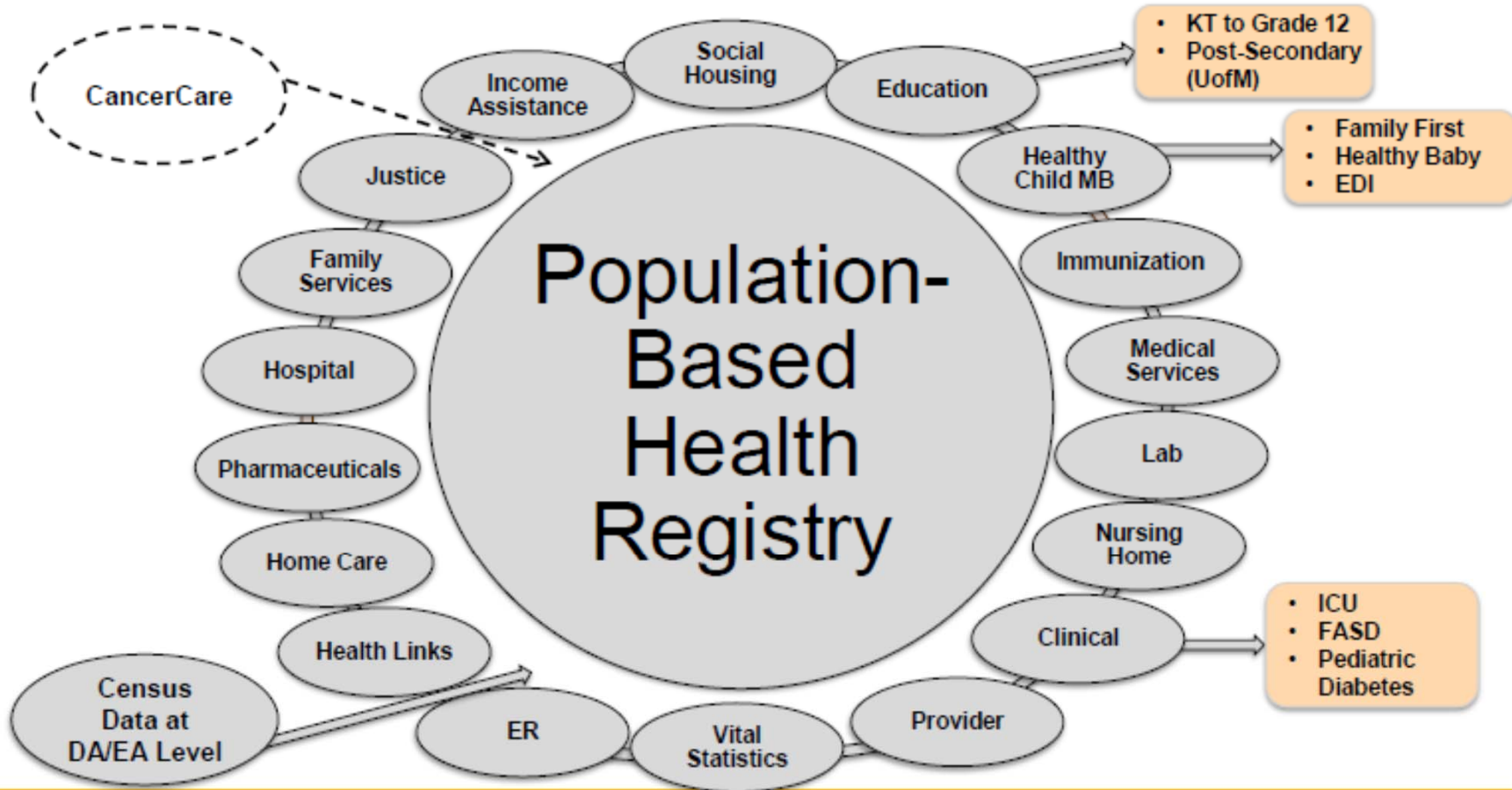


DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA



MCHP Houses the Anonymized Population Health Research Data Repository



http://umanitoba.ca/faculties/health_sciences/medicine/units/community_health_sciences/departamental_units/mchp/protocol/media/Repository_circles.pdf

Manitoba Centre
for Health Policy



UNIVERSITY
OF MANITOBA



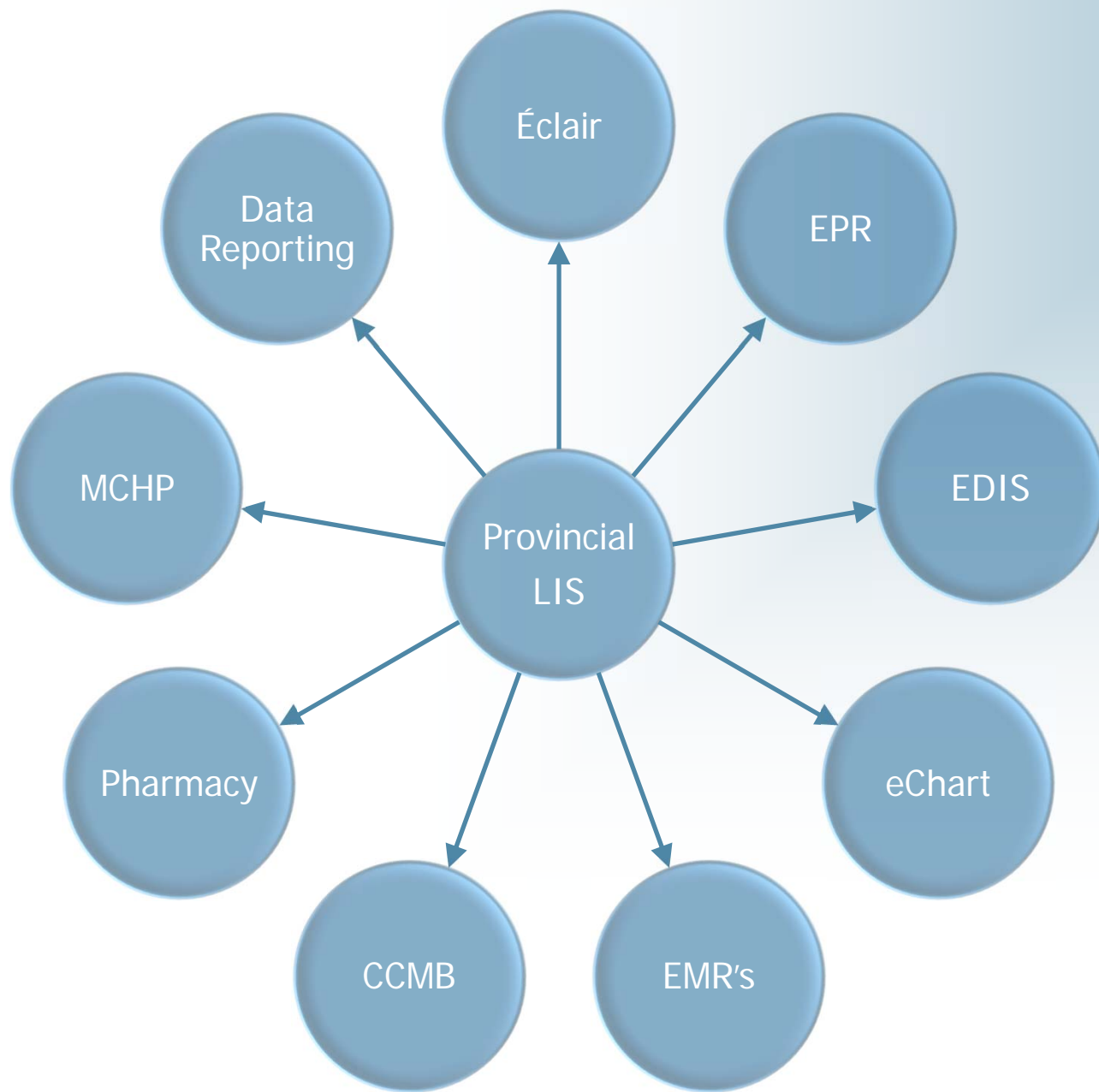
DIAGNOSTIC SERVICES
MANITOBA SERVICES DIAGNOSTIC
MANITOBA

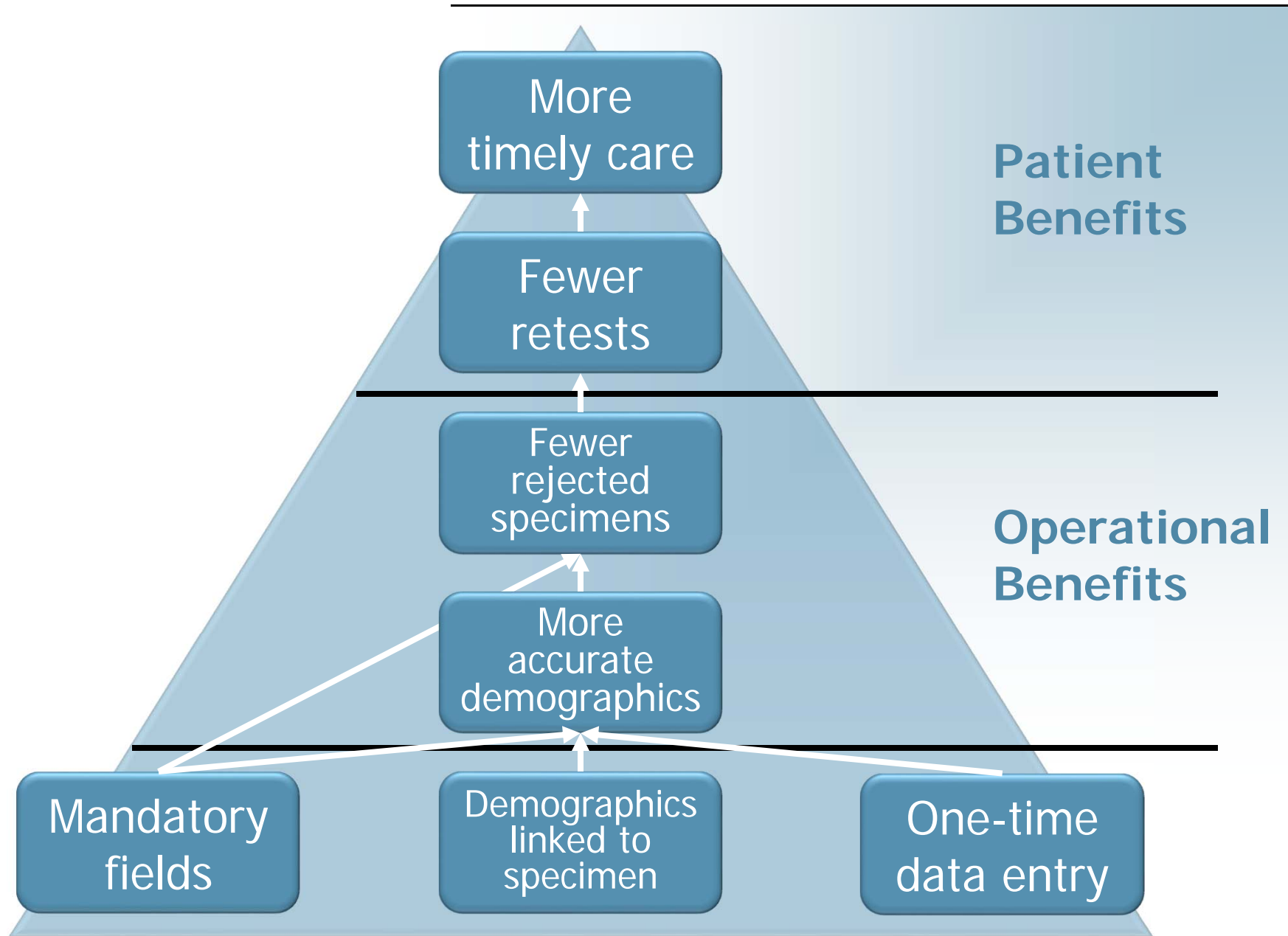
RESULTS: TIMELINESS



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA



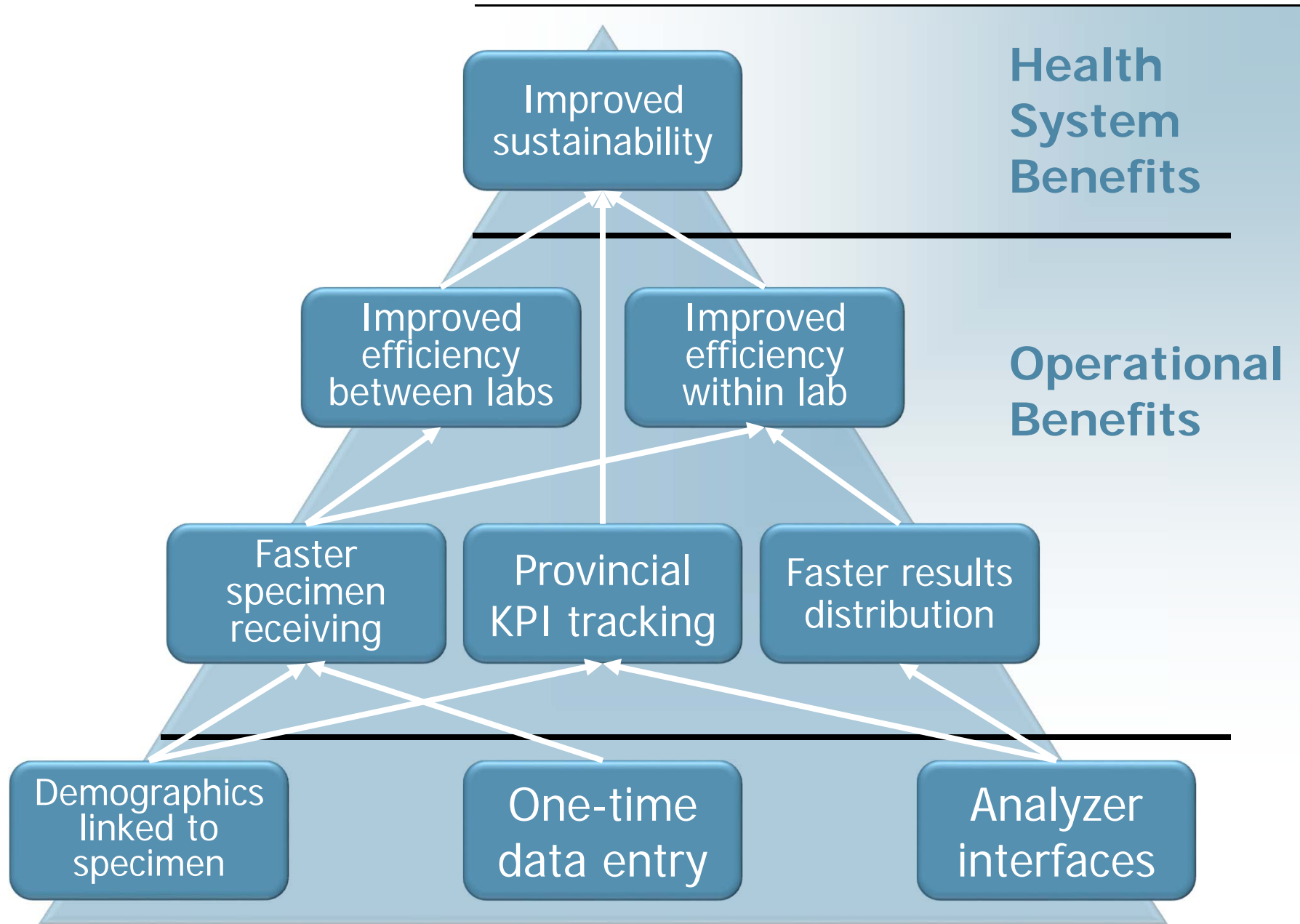


RESULTS: SUSTAINABILITY



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA



Lessons Learned

- Partnership between Operations, Clinical, and IT
 - Benefits can't be achieved by IT alone
- Plan for benefits realization from the start
 - Not just implementing software



Questions?



DIAGNOSTIC SERVICES
MANITOBA

SERVICES DIAGNOSTIC
MANITOBA