Nova Scotia Drug Information System (DIS) Overview

Atlantic Nursing Informatics Conference

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Topics

- Drug Information System Overview
- DIS Portal Demo
- Questions

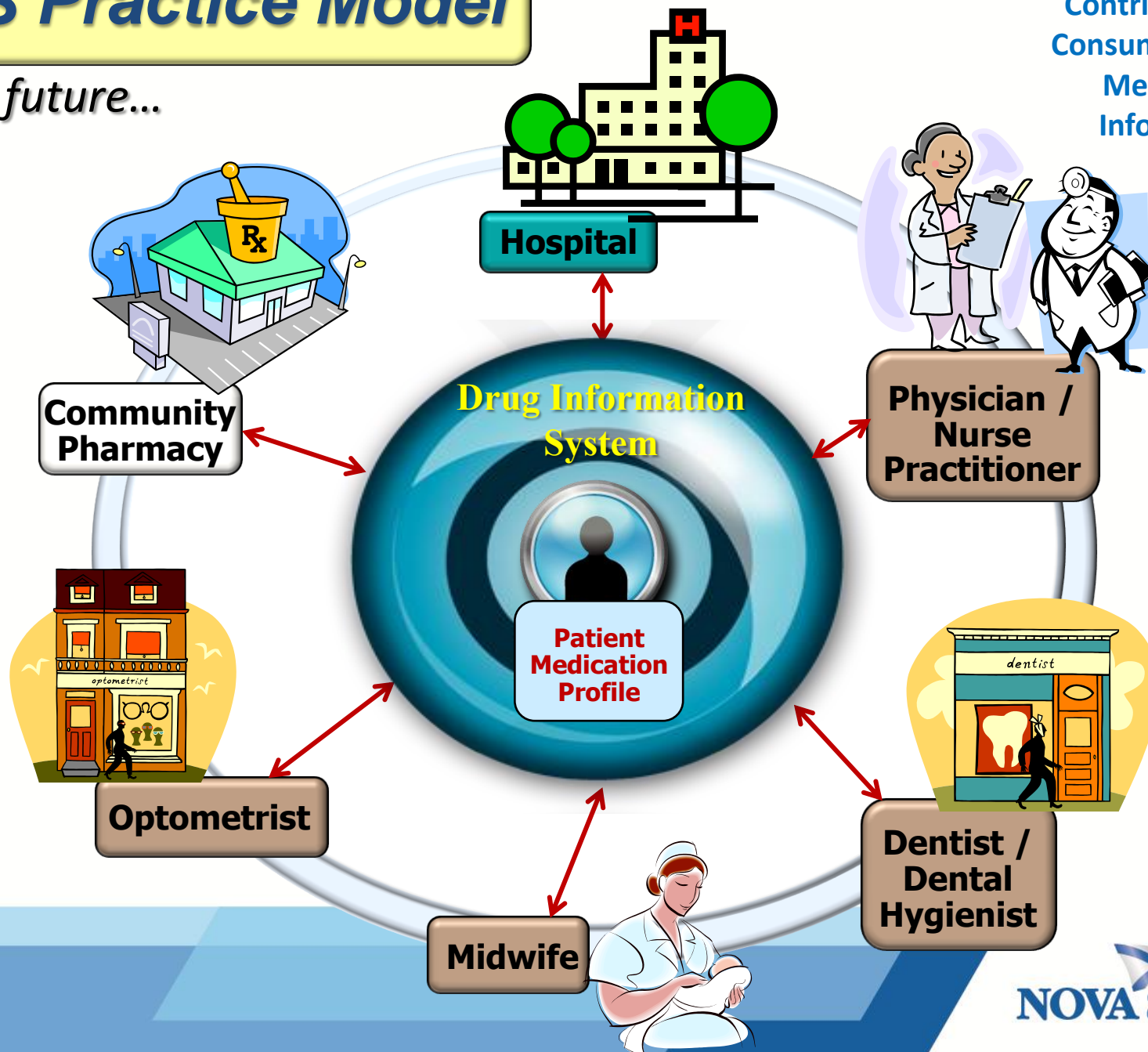NOVA SCOTIA

What is the Drug Information System

Nova Scotia's Drug Information System (DIS)

- Objective:
  - To ensure patient safety by reducing and/or eliminating adverse events caused by drug-to-drug interactions, drug/disease contraindications, duplicate therapies and certain types of medication errors.

- The DIS:
  - Facilitates secure electronic exchange of medication information;
  - Allows healthcare providers to complete drug utilization reviews and assess contraindications, potential medication conflicts, medication allergies and adverse reactions to medications;
  - Supports safe and appropriate drug therapy and reduces the incidence and severity of medication-related issues;
  - Supports existing Medication Reconciliation processes;
  - Enables the creation of electronic prescriptions (e-Prescribing); and
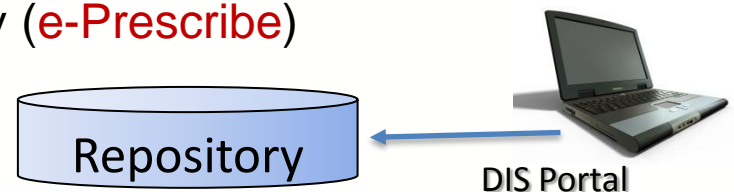 - Provides healthcare professionals with access to drug information reference material.
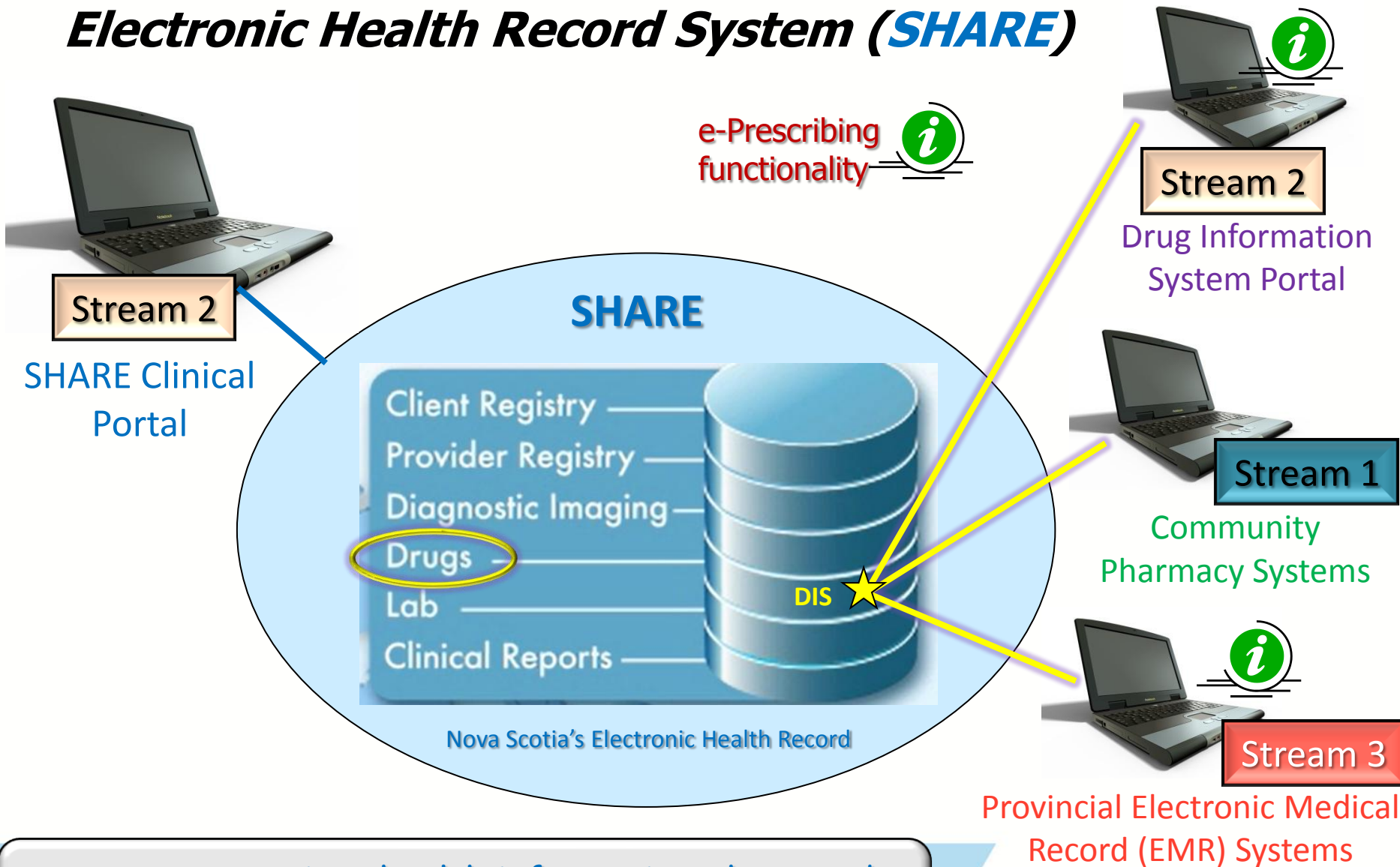
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What is the Drug Information System

The Drug Information System is made up of two components:

1. A provincial '*repository* ' of medication information that lives in SHARE (Stream 1)

   – The repository contains a medication profile for every Nova Scotian (and others) who has a prescription filled in a community pharmacy in the province that is connected to DIS

2. A *'portal'* to access the medication profile in the provincial repository (Stream 2)

   – The Drug Information System Portal is used to:

     • Add information to or update information in a patient's medication profile

     • Prescribe medications electronically (e-Prescribe)

Repository

DIS Portal

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DIS…a part of Nova Scotia's Provincial Electronic Health Record System (SHARE)

e-Prescribing functionality

Stream 2

Drug Information System Portal

Stream 2

SHARE Clinical Portal

SHARE

Client Registry
Provider Registry
Diagnostic Imaging
Drugs
Lab
Clinical Reports

DIS

Nova Scotia's Electronic Health Record

Stream 1

Community Pharmacy Systems

Stream 3

Provincial Electronic Medical Record (EMR) Systems

…access to patient health information where and when needed, no matter where care was provided…

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DIS Medication Profile

- The medication profile will automatically include:
  - Prescriptions Dispensed by Community Pharmacies connected to the DIS
  - e-Prescribed Drugs & Devices
- If entered by a healthcare provider*, the medication profile may also include:
  - Other Medications (e.g., OTCs, Drug Samples, Natural Products)
  - Allergies & Intolerances
  - Adverse Drug Reactions
  - Immunizations
  - Medical Conditions
  - Patient Observations
  - Patient Notes
  - Pharmacy Professional Services (e.g., smoking cessation) – entered by community pharmacies only

> * Dispensary staff in community pharmacies and healthcare providers with access to the DIS Portal.

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Accessing the DIS Medication Profile

…healthcare providers will access the DIS through either the SHARE Clinical Portal or the DIS Portal...

- SHARE Clinical Portal (primarily in hospital)
  - Users will access the medication profile through a new tab called "Community Med Profile"
  - Users will have 'view-only' access to the medication profile
  - Over time, all users with access to both lab and DI will have access to the medication profile as well
- DIS Portal (in hospital and in community)
  - This portal will allow users to add information to or update information in a patient's medication profile
  - It will also enable the creation of electronic prescriptions (e-Prescribe)
  - This portal will be used primarily by prescribers. In Hospital - In certain circumstances, as outlined by the Council of VPs Clinical, RNs will use this portal to add information to or update information in a patient's medication profile.

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Rollout of the DIS

- Stream 1 – Pharmacies – started July 2014
  - 217 out of ~300 pharmacies connected
    - All pharmacies expected to connect by June 2016
- Stream 2 – Portal Access – starting Fall 2015
  - Integrated with the SHARE Clinical Portal and available through a standalone DIS Portal
    - Pilots September 2015   Cheticamp & Inverness
- Stream 3 – EMR Integration – timing TBD
  - One EMR vendor has started development to integrate with the DIS – targeting early 2016 for the first clinic to be live
    - Two other vendors are in discussion about funding to support development costs

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DIS Portal Demo

Next Steps:

- In Hospital
  - Working with Zone management to determine rollouts

- In Community
  - Contacting private health care organizations for rollout of the DIS

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Rollout Timelines

Communities	Hospitals & Health Centres	Earliest Start Date for DIS Access
Cheticamp and Inverness	Sacred Heart Inverness Consolidated Memorial	Pilots – September 2015
Clare-Digby, Yarmouth, Annapolis, Kings County, Queens-Shelburne-Liverpool	Annapolis Community, Digby General, Eastern Kings Memorial, Hants Community, Queens General, Roseway, Soldiers Memorial. Valley Regional, Western Kings Memorial, Yarmouth Regional	October 2015
Pictou, New Glasgow and area	Aberdeen Regional, Sutherland Harris Memorial	October 2015
Truro and area	Colchester Regional	November 2015
Cumberland region (e.g. Amherst, Oxford, Springhill, Tatamagouche)	Cumberland Regional, North Cumberland Memorial, All Saints Springhill, Bayview Memorial, South Cumberland, Lillian Fraser Memorial	December 2015
Neil's Harbour - Cape Breton	Buchanan Memorial	October 2015
Antigonish	St. Martha's Regional	December 2015
Provincial clinics in Central Zone	Select tertiary care & other specialty clinics as identified by Zone 4	Anytime
Provincial clinics at IWK	Select tertiary care & other specialty clinics as identified by IWK	Anytime

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