

# SSHA – Ontario's Partner for e-Health Innovation

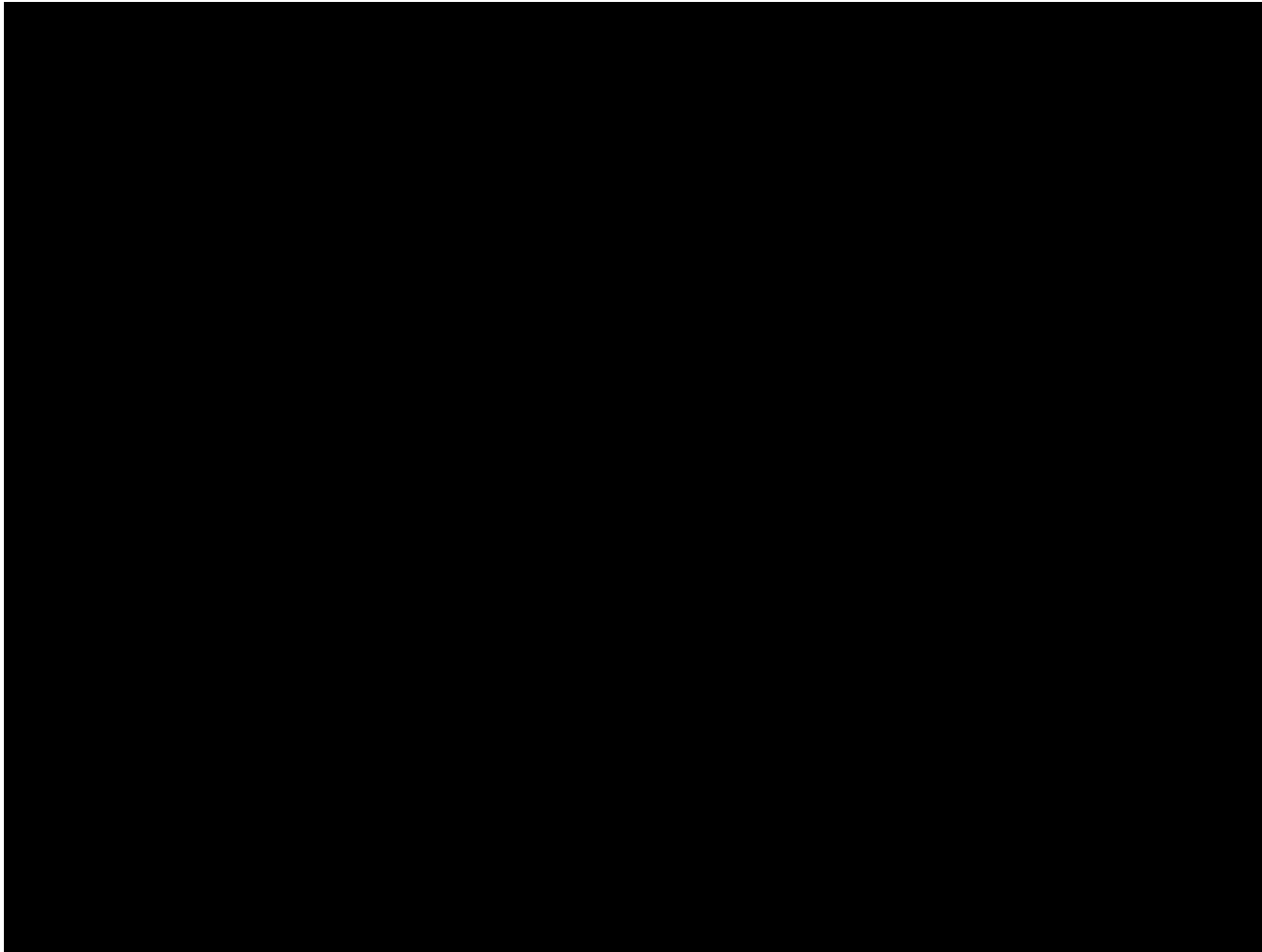
Laurie Hicks, VP, CRM, SSHA  
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# What is e-Health?

- Use of information technology to get patient information to health care providers more quickly, securely and reliably so they can make better care decisions



# Watch Our IT Enable Better Care

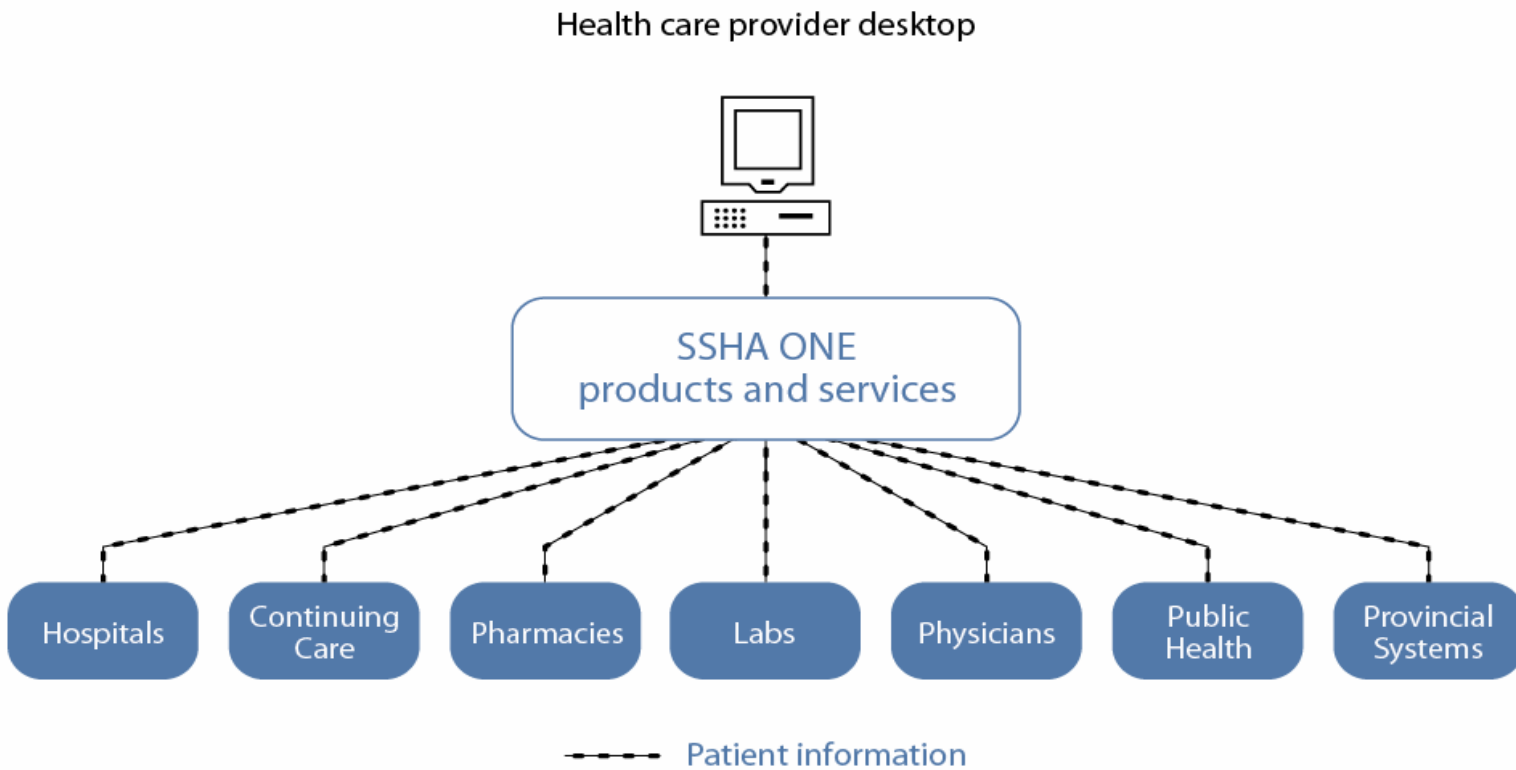


## SSHA - Ontario's Health Care IT Partner

- Help health care share information electronically beyond one or a limited number of professionals/ organizations
- Build on existing systems to expand information sharing possibilities
- Enabling force behind provincial IT infrastructure delivering e-Health solutions
  - Secure, reliable patient information sharing network between 150,000 providers at 24,000 sites

# e-Health Success

## Ontario Network for e-Health: ONE



# SSHA's Partners in e-Health Innovation

- Doctors
- Hospitals
- Pharmacists
- Laboratories
- Public Health Units
- Community care
- Continuing care
- Ministry of Health and Long-Term Care programs

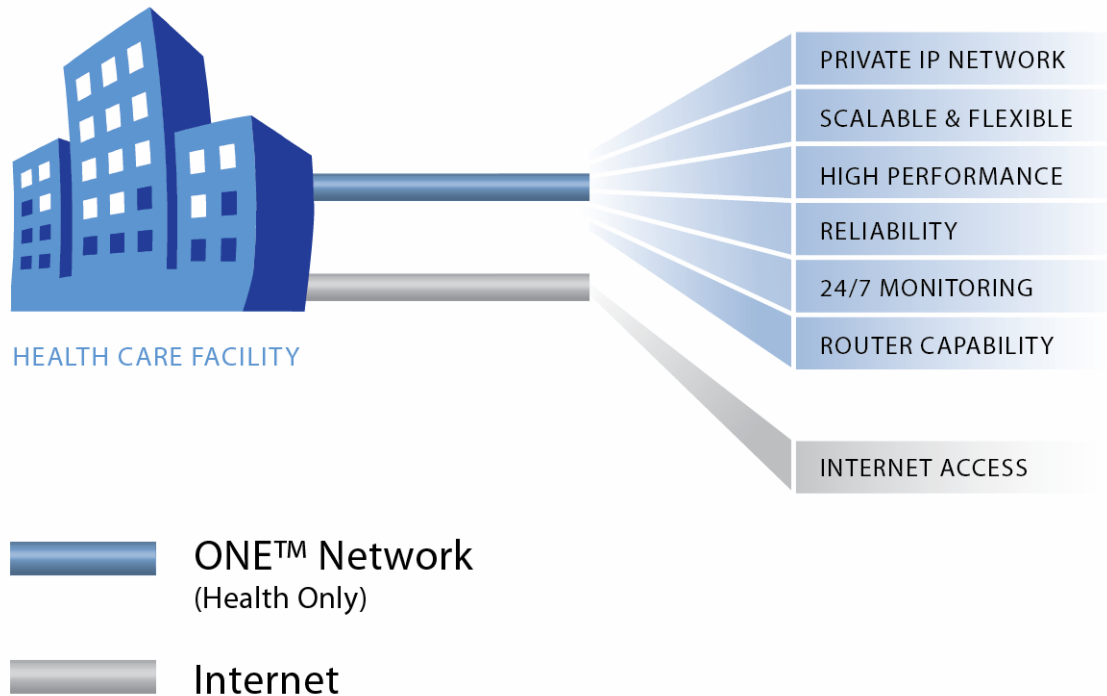


## Accomplishment – Product Deployment

ONE Network	<b>7,000</b> sites connected, enabling providers to reliably and securely share patient information
ONE Mail ONE Pages	<b>&gt;100,000</b> accounts deployed, enabling secure electronic communications between registered health care professionals
ONE Hosting	<b>15</b> provincial e-Health applications
ONE ID	<b>15,000</b> registered users with access to SSHA e-Health services
ONE Portal	<b>3</b> portals for electronic information sharing <b>450</b> communities to share ideas and information

# ONE Network

## What is it



## What it does for e-Health

- Foundation for electronic information sharing

# ONE Mail/ONE Pages

## What are they

- E-mail and directory of registered users

## What do they do for e-Health

- Secure exchange of personal health information

# ONE Hosting

## What is it

- Secure data centre hosting for provincial applications

## What it does for e-Health

- Appropriate environment for e-Health applications and EHR sub-systems

# ONE ID

## What is it

- Ensures identity, access and privileges of:
  - ONE Mail/ONE Pages users
  - Users of provincial applications

## What it does for e-Health

- Assures only those who should be seeing personal health information actually do so

# ONE Portal

## What is it?

- Portals for electronic information sharing

## What it does for e-Health

- Secure information sharing forums
- Up to date, online information resources

# Accomplishments – Health Care

- **600,000** queries in 2007 about patients of the Ontario Drug Benefit and Trillium Drug Program to have their prescription history accessed in hospital emergency departments
- **200,000** assessments annually managed electronically by Community Care Access Centre (CCAC) case workers for home care patients who may need to move to long-term care facility
- **130,000** mothers and newborns have their needs coordinated each year by public health nurses
- **36,000** patient-physician video conferences conducted in 2007, enabling doctors and their patients to communicate faster and more efficiently

# Current SSHA Projects – Groundwork for the Electronic Health Record



**Ontario**

Smart Systems  
for Health Agency

# EHR Development – Ontario's Approach

- Build:
  - Infrastructure for communications capacity
  - Sub-systems - labs, digital imaging
  - Registries
  - Authentication systems

# Groundwork for the EHR

- Enterprise Master Patient Index (EMPI)
  - Allows patient identifier records to be linked
  - 62 source systems representing 148 hospital sites
  - Will expand to all hospitals and other sources
  - Initially implemented to support Wait Times Info System
  - Intended to evolve for other applications

# Groundwork for the EHR

- Lab tests constitute \$3 billion/year program; 200 million tests
- Ontario Laboratory Information System
  - Automate ordering and access to results
  - Rollout
    - Trillium, Lakeridge, Grey Bruce Health Services and Gamma-Dynacare in production (not yet for clinical use) – 2007
    - University Health Network, CML and LifeLabs (formerly MDS) – early 2008
    - Eventually all doctors, hospitals, etc.

# Groundwork for the EHR

- Expansion of Drug Profile Viewer
  - 185 hospital emergency departments use it to access patient Ontario Drug Benefit information
  - 600,000 queries in 2007
  - Current expansion (pharmacies, in-patient, ambulatory):
    - 41 additional locations in hospitals to date

# Groundwork for the EHR

- Panorama
  - Upgrade of current Public Health infectious disease and outbreak management system
    - Early recognition of highly infectious disease spread or pandemic
    - Tracking by health care providers
  - Modules
    - Immunization Management
    - Vaccine Ordering and Distribution
    - Communicable Disease/Outbreak Management
    - Alerting
    - Surveillance Analytics

# Groundwork for the EHR


- eReferral
  - Every year, each CCAC has average 500,000 inbound referrals creating 2.5 million outbound referrals
  - Phase 1: Pilot eReferrals from Scarborough Hospital to CCAC – done
  - Phase 2: Expand eReferrals to initial group of mental health and community agencies – done
  - Phase 3: Wider deployment to more organizations (e.g. home care) – in planning

## Groundwork for the EHR

- Digital Imaging/Picture Archiving and Communication System (DI/PACS)
  - Projects underway
    - Pan Northern Ontario PACS
    - Toronto East Network PACS
    - Southwest Ontario Digital Imaging Network

# SSHA in the Future

## SSHA Five Year Strategic Plan – Highlights

- Accelerate ONE Network deployment by working with the MOHLTC, LHINs and customers
  - Introduce the provincial Health Information Access Layer
  - Enable EHR integration by expanding SSHA's role to include direction setting and development of provincial domain repositories
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# SSHA Five Year Strategic Plan – Goals

1. SSHA becomes a trusted partner – the cornerstone of e-Health in Ontario
2. Frontline care providers connected and collaborating electronically
3. Clinical information integrated and accessible wherever patients seek care
4. SSHA is a customer-focused organization
5. SSHA delivers with excellence
6. SSHA is an employer of choice

# Questions?

Visit our website and sign up  
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**[www.ssha.on.ca](http://www.ssha.on.ca)**



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