

11<sup>th</sup> Edition

# E-HEALTH FORUM

Implementing and integrating E-Health at the frontlines of care

December 7 – 8, 2009 | St. Andrew's Club and Conference Centre | 150 King Street West, Toronto



Is the promise of E-Health being delivered at the frontlines? Attend to hear about the latest developments on topics that include:

- Information Technology – How Is It Improving Access to Care in Ontario?
- Macro eHealth: Meeting Organizational, Implementation and Evaluation Challenges – Top Performers, How Do We Measure Them?
- Using Clinical IT Solutions for Improving Care
- E-Health Integration Initiatives – Ontario's E-Prescribing Pilot Program
- Integrating Chronic, Community and Primary Care – Realizing the Promise of Health Information Technology
- Building IT Infrastructure Towards Shared Care – A British Columbia Case Study
- Using IT to Drive Patient Engagement, Self Managed Care, and Aging at Home
- E-Health Strategies to Support Decision-Making in Clinical Practice
- EMR Adoption Strategies in Primary Care
- E.H.R. Content Design and Standardization

*and much more...*

## IN-DEPTH POST CONFERENCE WORKSHOPS DECEMBER 9, 2009

WORKSHOP A – Improving the Quality, Use and Impact of Physician Office EMR Systems – Key Considerations

WORKSHOP B – From Policy to Operations: Breaking Through the Glass Floor of Privacy to Achieve Effective Management

## PROGRAM CO-CHAIRS

### Paul McAuley

*Regional CIO and LHIN E-Health Lead  
Health Care Network of Southeastern Ontario  
and South East LHIN*

### Rick Skinner

*CIO  
Cancer Care Ontario*

## KEYNOTE SPEAKERS

### Douglas Tessier

*Senior Vice President (A) Strategy /  
Development / Delivery  
eHealth Ontario*



### Dr. Francis Lau PhD

*Professor and CIHR/Infoway  
eHealth Chair  
School of Health Information  
Science, University of Victoria*



### Franklin J. Work Q.C.

*Information and Privacy  
Commissioner of Alberta*



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Dear Colleague,

Billions of dollars of public investment are being made in order to deliver the promise of E-Health. The goals driving these investments include the achievement of a more efficient, accessible, safe, high performing and sustainable healthcare system. The promise of E-Health includes delivery of higher quality care with fewer adverse events and centralized data for better decision-making in clinical, organizational and policy contexts. While numerous E-Health projects are being designed and implemented right across the country, these overarching objectives will only be achieved if these E-Health initiatives can be integrated and connected thereby facilitating integration of care delivery itself.

This 11th edition, 2009 **Insight E-HEALTH conference** will focus squarely on the latest developments around the use and application of E-Health systems to drive improvements in healthcare quality and integration at the front lines. How is E-Health supporting the move to a more efficient, patient-driven, collaborative and integrated approach to front-line care delivery in an era of mounting chronic conditions? **Is the promise of E-Health being delivered at the frontlines?** What are the ongoing challenges to achieving these goals and how are they being addressed? Among the topics to be covered are:

- Alberta's trajectory to the Provincial Health Record
- Managing Privacy Protection in an E-Health environment
- How IT solutions help to improve sustainability of care
- Trends and developments to watch – including the USA behemoth
- Addressing vendor selection and diversity, and IT staffing challenges

A top-notch faculty of experts will be present to assess how far we have come and what is needed to meet the challenges ahead as we hit the crossroads of E-Health. We look forward to seeing you in December.



**Paul McAuley**

*Regional CIO and LHIN E-Health Lead*

**Health Care Network of Southeastern Ontario  
and South East LHIN**

**Rick Skinner**

*CIO*

**Cancer Care Ontario**

## WHO SHOULD ATTEND

### From Healthcare Organizations:

- VPs, Directors and Heads of:
  - Health/Patient Records
  - Information Systems
  - Quality and Risk Management
  - Support Services
  - Information Technology and Management Solutions
  - Program Design and Management
  - Technology Planning
  - Health Informatics
  - Information Policy
  - Information Analysis and Reporting
  - Diagnostic Services
  - Pharmacy
  - Administration

- Chief Privacy Officer, Chief Information Officer, CTO, Chief of Staff, Medical Director, Chief of Nursing, In-house Counsel, Chief of Pharmacy Services, Chief Information Officer
- Senior Directors in Charge of:
  - Decision Support; Quality Improvement
  - Health Care Strategies
  - Research
  - Legal and Regulatory Affairs
  - Professional and Government Affairs
  - Patient Relations
  - Corporate Communications
  - Education
  - Risk
  - Systems and Operations

- Physicians, Nurses, Allied Health Professionals

### And Representatives from:

- Health Ministries and Departments, Regions/ Regional Health Authorities
- Pharmaceutical Companies, Diagnostics and Laboratory Services
- Health Information and Data Providers
- Privacy Regulators and Commissioners
- Medical Researchers and Academics
- Associations and Medical Colleges
- Law Firms, Consulting Firms

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8:15 | 8:55

### Registration and Continental Breakfast

8:55 | 9:00

### Welcoming Remarks from Insight

9:00 | 9:10

### Co-Chairs' Opening Remarks

**Paul McAuley**

*Regional CIO and LHIN E-Health Lead  
Health Care Network of Southeastern Ontario  
and South East LHIN*

**Rick Skinner**

*CIO  
Cancer Care Ontario*

9:10 | 9:45

**OPENING KEYNOTE ADDRESS**

### Advancing Ontario's eHealth Agenda – Next Steps

**Douglas Tessier**

*Senior Vice President (A) Strategy / Development / Delivery  
eHealth Ontario*

9:45 | 10:15

### Technology as a Driver for High Performance Healthcare

**Dr. Edward M. Brown MD** (invited)

*CEO  
Ontario Telehealth Network*

10:15 | 10:30

### Networking Coffee Break

10:30 | 11:15

**KEYNOTE ADDRESS**

### Macro eHealth: Meeting Organizational, Implementation and Evaluation Challenges – Top Performers, How Do We Measure Them?

**Dr. Francis Lau PhD**

*Professor and CIHR/Infoway eHealth Chair  
School of Health Information Science, University of Victoria*

11:15 | 12:00

### Alberta's Trajectory to the Provincial Health Record

**Bill Trafford** (invited)

*Senior Vice President and Chief Information Officer  
Alberta Health Services*

- Current status – post-reorganization
- Road traveled to date and key milestones
- Present challenges
- Implementation strategies
- Lessons to date

12:00 | 1:00

### Networking Luncheon

1:00 | 1:45

**KEYNOTE ADDRESS**

### Managing Privacy Protection in an E-Health Environment

**Franklin J. Work Q.C.**

*Information and Privacy Commissioner  
Alberta*

1:45 | 2:45

### Information Technology – How Is It Improving Access to Care in Ontario?

**Terrence Sullivan PhD**

*President and CEO  
Cancer Care Ontario*

**Rick Skinner**

*CIO  
Cancer Care Ontario*

- The strategy, objectives and role of IT
- Implementation process and lessons learned
- Results and improvements in access to care

2:45 | 3:00

### Networking Refreshment Break

3:00 | 3:45

### E-Health for Quality Improvement and Sustainability of Healthcare Services

**Dr. Andrew Pattullo**

*Co-chief Medical Information Officer  
Alberta Health Services  
Medical Director  
Clinical Informatics (Calgary)*

- Using clinical IT solutions for improving care

- How IT solutions help to improve sustainability of care
- Implementation priorities for process improvements
- E.H.R. content design and standardization
  - Performance measurement
  - Decision support
  - Clinician engagement

3:45 | 4:15

### How Information Technology is Facilitating Aging at Home

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**Paul McAuley**

*Regional CIO and LHIN E-Health Lead  
Health Care Network of Southeastern Ontario  
and South East LHIN*

- How IT is making a difference to Aging at Home initiatives
- The healthcare and other challenges faced by seniors and their caregivers – how can IT help?
- The benefits of a successful at home aging program
- Initiatives underway and their implementation and integration to other E-Health initiatives

4:15 | 5:00

### Addressing Vendor Selection and Diversity, IT Staffing Challenges, and Other Top E-Health Concerns

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Moderator:

**Michael Matthews**

*Associate Partner  
Deloitte Canada*

**Brendan Seaton**

*President  
ITAC Health*

**Gavin Tong**

*Director  
Gordon Point Informatics Ltd.*

- The challenges of managing electronic health information – vendor multiplicity, diversity and numbers
- How to make the supplier selection for best results in performance and financial terms
- Measuring the performance and outcomes – what are the tools?
- Managing the human resources – challenges, solutions, options
- Trends and developments to watch – including the USA behemoth

5:00

### Conference Adjourns for the Day

TUESDAY | DECEMBER 8, 2009

8:30 | 9:00

### Continental Breakfast

9:00 | 9:05

### Co-Chairs' Opening Remarks

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**Paul McAuley**

*Regional CIO and LHIN E-Health Lead  
Health Care Network of Southeastern Ontario  
and South East LHIN*

**Rick Skinner**

*CIO  
Cancer Care Ontario*

9:05 | 10:00

### E-Health Integration Initiatives – Ontario's E-Prescribing Pilot Program

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**Vincent Ng**

*Acting Program Director, Medication Management  
eHealth Ontario*

**Dr. James Lane**

*Family Physician, IT Physician Lead  
Georgian Bay Family Health Team*

**Glen Thompson**

*Pharmacist*

- The model: enabling access by pharmacists to prescribers' EMR to view medication histories and, access pending new prescriptions
- The benefits: prevention of medication errors, adverse events
- Efficiencies: time, cost, risk, care
- Challenges and how they are being addressed

10:00 | 10:15

### Networking Coffee Break

10:15 | 11:30

**TWO CASE STUDIES**

### Integrating Chronic, Community and Primary Care – Realizing the Promise of Health Information Technology

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#### *eCHN: Celebrating 10 years of Integrated Care in Children's Health*

**Daniela Crivianu-Gaita**

*Chief Information Officer  
The Hospital for Sick Children*

**Mark Feldman, MD***Paediatrician***St. Joseph's Health Centre, Toronto***Head, Community Paediatrics, Department of Paediatrics  
University of Toronto***Andrew Szende***Chief Executive Officer***electronic Child Health Network (eCHN)**

- The model for enhancing collaboration and communication across the continuum of care in order to improve children's health
- The history and progress of eCHN over its first 10 years
- How IT was instrumental in improving the delivery of paediatric healthcare in the province
- Lessons and takeaways on integration and data quality
- What is next for eCHN?

**CAISI (Client Access to Integrated Services and Information) – Community Integration Case Study****Tomislav Svoboda MD PhD***Community Medicine Specialist***St. Michael's Hospital***Lead Physician***Seaton House Family Health Team**

The CAISI vision is one that utilizes open source IT tools to provide agencies and clients access to integrated care across multiple agencies to help end chronic homelessness. The project:

- Delivers an EMR and case/bed/program management system to agencies dealing with those who are homeless in Toronto
- Has developed and implemented an e-integration infrastructure that:
  - is governed, developed and implemented by agencies and clients
  - supports e-referral between agencies
  - supports data sharing across agencies based on explicit client consent using open source software
  - contains a Ministry of Health developed health card e-registry for those who are homeless
  - makes available IT tools to facilitate early intake and appropriate referral of homeless individuals
  - offers homeless clients the opportunity to get care from multiple agencies who are all working with a single case management plan and record break control
- Supports the creation of real time population level reports at the agency, and program levels and is implementing community wide reports to allow agencies and planners to make real time decisions based on needs assessment and indicator type data that is immediately available

- Is developing public health tools useful for TB control, influenza and pneumococcal vaccine planning, pandemic planning / outbreak control

**11:30 | 12:15****Building IT Infrastructure Towards Shared Care – A British Columbia Case Study**

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**Jeannie Wexler***Executive Lead***BC Health Authority****Shared Services Organization**

- Successfully using IT to reap the benefits of shared care models
- Achieving effective privacy protection in the context of a collaboration model of shared services
- Best practices in sharing information for shared care – governance and accountability frameworks
- Creating win-win scenarios – lessons learned to date

**12:15 | 1:30****Networking Luncheon****1:30 | 2:30****Using IT to Drive Patient Engagement and Self Managed Care**

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**David Wiljer PhD***Director, Knowledge Management and Innovation***Princess Margaret Hospital/University Health Network***Director, Continuing Education**Assistant Professor, Department of Radiation Oncology***University of Toronto***Founding Chair***Canadian Committee for Patient Accessible E.H.R.****Perry Doody** (invited)*Senior Director, Performance Management and Accountability***Central CCAC**

- Why patient engagement is good for healthcare
- Models of patient/health records interaction
- Portals and web 2.0
- Putting the patient in the driver's seat in health information management and use
- Patient records models, philosophy and deployment
- MyChart model, philosophy and evolution to date

**2:30 | 2:45****Networking Refreshment Break**

2:45 | 3:30

## E-Health Strategies to Support Decision-Making in Clinical Practice

### Dr. Christopher O'Connor MD, FRCPC

Critical Care Physician and Director, Medical Informatics  
Trillium Health Centre

- Electronic decision support – state of the art?
- Challenges
  - Integration
  - Cost of infrastructure
  - User and provider buy-in
  - Technology
- Benefits and buy-in
  - Improved care
  - Best evidence available
  - Continuity of care
  - Reduced errors
  - Patient and family involvement
  - Efficiencies
- Results to date and next steps

3:30 | 4:45

## Roundtable: EMR Adoption Strategies in Primary Care

### Dr. Robert Bernstein PhD, MDCM, CCFP, FCFP

Lead Physician Family Health Team and  
Academic Head of Family Medicine

#### Bridgepoint Health

Professor, Department of Family and Community Medicine  
University of Toronto

### Dr. John McDonald MD

Lead Physician

PrimaCare Community Family Health Team

With the allocation of \$500 million to Canada Health Infoway specifically for use towards the increased adoption and implementation of the EMR in the primary care arena, new possibilities are suddenly opening up to drive advances in this area. What progress has there been to date, and what is ahead on this front? What are the most common implementation and utilization challenges? How are they being addressed?

- How does the integration of EMR with other electronic systems make care more streamlined, efficient, convenient and economical?
- How can you best manage the privacy and access challenges?
- How to deal with multiple and diverse EMRs within one organizational structure?
- How can care be improved given the clinical data now available – how to make it accessible and usable?

4:45

## Co-Chairs' Closing Remarks and Conference Concludes

### NEW! Fall Luncheon Speaker Series

#### A Fresh Look at Ontario's Healthcare Challenges: Observations and Insights from a New Healthcare Leader

September 29, 2009 | 12:00 p.m. – 2:00 p.m. | The National Club

#### Speaker: Michelle DiEmanuele

President and CEO, The Credit Valley Hospital

#### Medicare Can't Wait: There are Public Sector Solutions for Canada's Healthcare Queues

October 21, 2009 | 12:00 p.m. – 2:00 p.m. | The National Club

#### Speaker: Michael M. Rachlis MD MSc FRCPC

Health Policy Analysis

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## Improving the Quality, Use and Impact of Physician Office EMR Systems – Key Considerations

### Francis Lau PhD

*Professor and CIHR/Infoway eHealth Chair  
School of Health Information Science, University of Victoria*

### Patricia Sullivan-Taylor, BSN, MPA, PMP

*Program Manager, Primary Health Care Information  
Canadian Institute for Health Information*

With the recent federal/jurisdictional investments in physician office electronic medical record (EMR) systems, there is an urgent need to ensure the data quality and adoption/use of these EMR systems in ways that can improve patient access, physician productivity and health outcomes.

This workshop will provide an overview of the current state of knowledge on physician office EMR systems, some credible yet pragmatic data/system quality and evaluation approaches, and key issues to be considered when examining the data quality, adoption/use and impact of EMR systems within the Canadian healthcare contexts. The topics covered will include:

- **Current state of knowledge in the quality, use and impacts of physician office EMR systems**
- **Conceptual models used to make sense of EMR adoption and use, such as the 5-stage EMR adoption model from HIMSS-Analytics®**
- **Usability studies and workflow analysis for describing physician office practice routines, such as patient referral and prescribing medications**
- **Impact evaluation on care quality, practitioner productivity and patient access, including indicators related to patient safety and practice comparison**
- **Use of EMR data standards to support quality improvement initiatives**
- **Implementation of primary health care indicators from the Canadian Institute for Health Information for reflective provider feedback reporting as well as provincial and national comparison**

Through this workshop you will acquire the latest knowledge available on EMR systems, data quality issues, and pragmatic evaluation approaches to demonstrating their value and effects. The workshop will be interactive in nature, providing ample opportunities for you to engage in active discussions and share ideas/issues with others on this important topic.

**Francis Lau PhD** is a specialist in medical informatics, with a particular focus on the design, implementation and evaluation of health information systems. His current research centers on health information system evaluation, clinical vocabularies, and palliative care informatics. Francis is the recent recipient of the eHealth Chair funded by CIHR/Infoway to establish an eHealth Observatory for monitoring the impact of health information system deployment in Canada.

**Patricia Sullivan-Taylor (BSN, MPA, PMP)** is an experienced registered nurse and health informatics practitioner and the Primary Health Care Information Program Manager at the Canadian Institute for Health Information (CIHI). Her background includes experience as a registered nurse in home care, acute care and physician office management as well as business and IT consulting with the Health IT Practice of PricewaterhouseCooper and IBM Business Consulting Services.

**12:00 | 1:00 LIGHT LUNCH WILL BE SERVED FOR DELEGATES ATTENDING BOTH WORKSHOPS**

## From Policy to Operations: Breaking Through the Glass Floor of Privacy to Achieve Effective Management

### John Wunderlich

*Principal  
John Wunderlich and Associates*

### E. Michael Power

*Barrister and Solicitor*

Two senior experts with an extensive background in healthcare privacy implementation will guide participants through a detailed, practical session on how to best manage health privacy compliance in the context of organizational processes and imperatives. Among the topics to be covered in depth are:

- **Setting the frame for privacy implementation – legal and other regulatory considerations**
- **Integrating privacy, security, and business process improvement**
- **Change planning and management**
- **Privacy metrics and audit functions**

This will be a unique opportunity to learn about proven strategies that will save you time, money and headaches by ensuring that privacy requirements are met and are made to operate seamlessly as part of your organization's daily practices.

**John Wunderlich** is an information security and privacy consultant who helps organizations meet customer, client, patient, and/or regulatory expectations for responsible information management of personal information. John's clients include Fortune 500 companies, health information custodians, information technology service providers, and a variety of other organizations.

**Michael Power** is a Toronto-based legal advisor/consultant on privacy and information risk management, serving both public and private sector clients. He previously served as Vice-President, Privacy and Security, at eHealth Ontario.

