

Himss AsiaPac17

11 – 14 September 2017 | Sands Expo and Convention Centre, Singapore

Pre-Conference Day: 11 September

Main Conference Days: 12-13 September

Post-Conference Day: 14 September

Organized by: **Himss** Asia Pacific

In Collaboration With:

Himss CHIME
INTERNATIONAL

Population Health
Collaborative Care



TEAM-BASED CARE:
Unifying Patients and Providers

Data and Technology

Value-Based Care

Tuesday, 12 September 2017

08:00 - 09:00

Registration and Coffee

09:00 - 09:05

Opening Ceremony

09:05 - 09:15

Welcome Address

Stephen Lieber, President & CEO, HIMSS, USA

Harold 'Hal' Wolf III, (Incoming) President & CEO, HIMSS, USA

09:15 - 09:30

Opening Address

Mr. Chee Hong Tat, Senior Minister of State

Ministry of Health, Ministry of Communications and Information

Republic of Singapore

09:30 - 10:15

Opening Keynote Session 1: Role of Technology in Enabling Team-Based Care

Bruce Liang, Chief Executive Officer, Integrated Health Information Systems Pte Ltd, Chief Information Officer, Ministry of Health, Singapore

As healthcare becomes ever more complex, an agile and multi-disciplinary approach towards delivering patient care will be increasingly crucial. One of the most challenging, yet promising, aspects of healthcare's transformation is the growing emphasis on team-based care. While patient-centered care is not a new concept, the model of effective team-based care is unique to every healthcare system, and will constantly evolve.

In this keynote address, Mr. Liang will offer his views on the role that technology can play in facilitating team-based care and discuss how IT architecture, solutions design, standards and policies are critical levers for inter- and intra- professional collaborations across space and time. He will also share the Ministry's Health IT Master Plan (HITMAP) in guiding the nation's technology journey towards making healthcare smarter.

10:15 - 11:15

Keynote Session 2: Progress Towards AI-Enabled Care

Dr. Dominic King, Clinical Lead, Google DeepMind, United Kingdom

DeepMind is the world leader in artificial intelligence and is on a scientific mission to push the boundaries of AI, developing programs that can learn to solve any complex problem without needing to be taught how. DeepMind is also building real-world applications of AI technology including in healthcare, where the DeepMind team is working with hospitals on mobile tools and AI research to help get patients from test to treatment as quickly and accurately as possible.

This session will cover the progress DeepMind has made in delivering AI-enabled care that is both practical and smart.

11:15 - 11:45

Networking Coffee Break

11:45 - 17:20

Population Health (Simpur Jr Ballroom - Plenary Room)

IHiS Track (Roselle-Simpur Ballroom 4604)

Nursing Track (Roselle-Simpur Ballroom 4804) (This track is accredited by Singapore Nursing Board for 4 CPE points)

11:45 - 12:00

Keynote Session P1: Making Health IT Patient Centered

Tina Esposito, Vice President, Center for Health Information, Advocate Health Care, USA

11:45 - 12:00 IHiS Session 1: Opening Address

James Chia, Director, Planning Group-Portfolio Mgmt & Govern-HIT Strategy & Governance, Integrated Health Information Systems (IHiS), Singapore

11:45 - 12:05 Keynote: Disrupting Nursing Practice in a Positive Way

Tan Soh Chin, Chief Nursing Officer, Ministry of Health, Singapore

The notion of patient-centeredness has

- Why are nurses the best clinicians to implement innovations and why

12:00 - 12:30

become a bit of buzzword across the healthcare industry with often less than clear meaning and intention. Historically, however, healthcare has not focused on the patient perspective, evidenced all the way down to healthcare IT strategies and achievements. EHR systems, HIMSS stages of achievement, use of data warehouses and analytics and performance scorecards have all focused on episodic care. When the benefits are realized for the value of Health IT, we can see a shift to engage patients and move focus from patient to person.

In this session, join Tina Esposito, Vice President of the Center for Health Information Services at Advocate Health Care as she:

- Illustrates specific approaches in making healthcare IT more patient focused
- Assesses the current state of healthcare IT patient centeredness within our organizations

This session is sponsored by:



**12:00 - 12:30 IHIS Session 2:
Architecting for National Health IT /
NEHR**

Ling Su Yuen, Director, National Architecture Office, Integrated Health Information Systems Pte Ltd, Singapore
A/Prof. Low Cheng Ooi, Chief Clinical Informatics Officer, Integrated Health Information Systems Pte Ltd, Chief Medical Informatics Officer, Ministry of Health (MOH), Singapore

The session will use the architecture evolution of national health IT systems to share the key learnings about leveraging on immediate opportunities and adhering to the long term road map.

The development of the continuity of care record (CCR) for shared care will be used to illustrate the right siting of capabilities in the EMR and in the EHR, and the clinical and technical considerations for implementation in a heterogeneous environment.

should they create positive disruptions?

- How can nurses use innovative methods to tackle challenges?

12:05 - 12:20 Self Reported Informatics Competencies Among Nurses in Singapore: Preliminary Findings

Dr. Betty Khong, Senior Nurse Manager, Tan Tock Seng Hospital, Singapore

12:30 - 13:30

Networking Lunch

12:20 - 12:35 Nursing Informatics Roadmap and Competencies in the Philippines

Kit Sumabat, Founding President, Philippine Nursing Informatics Association, Philippines

12:35 - 13:30 Networking Lunch

12:35 - 13:30

13:30 - 14:00

Session P2: Healthcare 3.0 - New Paradigm Required for Health and Care Delivery

Andrea Fiumicelli, Vice President and General Manager, Healthcare & Life Sciences, DXC Technology, UK

The management of health and care service provides a near perfect synthesis of the complex challenges raised by demographic change, ever-increasing healthcare expenditure and unparalleled service users' expectations. Faced with these demands, health services are increasingly looking to new care delivery models and digital technologies to assist in the delivery of care - preventive, detection, treatment and on-going management. Andrea Fiumicelli, VP Global Healthcare and Life Sciences at DXC Technology explores the practical issues arising from the application of clinical outcomes and technology-based solutions to managing health and care services and sets out a model of how solutions can address these challenges. The resulting roadmap provides a frame of reference for those involved in the provision of care and the technology partners developing systems to support them.

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13:30 - 14:00 IHIS Session 3: Empowering Care Team with Predictive Analytics

Dr. Goh Han Leong PhD, Assistant Director, Health Insights, Integrated Health Information Systems Pte Ltd, Singapore

With the pervasiveness of Big Data, Analytics has seen many successful applications in a number of industries, enhancing efficiency and cutting down on wasted overhead. In the context of healthcare, the use of big data analytics is beyond improving business profits it involves enhancing the care of patients, prevent avoidable admission and delay disease progression. However, the healthcare environment is extremely complex and ever changing. We need an organized approach to bring the people, data and systems together to develop and implement an actionable health care insight.

With a centrally coordinated planning and visibility to analytics initiatives, duplicate initiatives and resources wastage can be avoided. Data security and patient confidentiality matters is also ensured when accessing data that is aggregated from individual health records. Centralized harmonizing and linkage of data enable good

13:30 - 14:00 Can Nurses Lead Community-Based and People-Centered Care? The Buurtzorg Home Care Model

Dr. Stephan Dyckerhoff, President, Buurtzorg Asia and China, China

Buurtzorg Nederland was founded in 2006 by Jos de Blok and a small team of professional nurses who were dissatisfied with the delivery of health care by traditional home care organizations in the Netherlands. Together they decided to create a new model of patient-centered care focused on facilitating and maintaining independence and autonomy for the individual for as long as possible. What started as a team of 4 nurses in 2006, has grown now to more than 10,000 nurses in 2017, with teams in the Netherlands, Sweden, Japan, US, Germany, Japan, China and pilot projects in >25 countries including South Korea, Taiwan and India. A 2010 Ernst & Young report documented savings of roughly 40 percent to the Dutch health care system.

14:00 - 14:30

	<p>data quality for further downstream analysis. Taken together, these catalysts the progress of analytical work streams across the health sector.</p> <p>Operationalizing actionable analytics that disrupt healthcare setting is even more challenging and there are multiple intertwine factors to consider. The presentation will give some insights in organizing Analytics Capabilities that align technical expertise with business strategies. The Speaker will give an illustration on the experience and learning points garnered in the implementation of the first national-wide predictive analytics launched in all Singapore's public hospitals early this year.</p>	
<p>Session P3: A Population Health Approach to a Technology Investment Programme Sarah Thirlwall, Director, Strategic ICT Transformation, Counties Manukau Health, New Zealand</p> <p>Co-Authored by Vaughan Roberts, Programme Evaluator</p> <p>Counties Manukau Health in 2013 were facing challenges similar to other NZ DHBs and worldwide with a unsustainable healthcare model, inefficient IT systems, staff dissatisfaction and an historic underspend in IT. Taking a population health focus to derive a multi-year technology investment programme requires a lot of factors to come together to get the</p>	<p>14:00 - 14:30 IHIS Session 4: Population Health Management - Digital Services via HealthHub and TeleHealth Ng Chun Kiam, Director, Population Enablement, Integrated Health Information Systems Pte Ltd, Singapore</p> <p>Singapore healthcare is embarking on the 3 shifts towards prevention, home-based care and value-based care. Digital health and connected Tele-health are integral to enabling the shifts in improving productivity, patient satisfaction and outcomes and health/healthcare education for better population health. This session will provide an overview on the strategy and technology platforms to make health and healthcare more personal. Targeted at the consumer/patient/caregiver, to better enable</p>	<p>14:00 - 14:20 Creating an Organizational Culture of Patient Safety: Nurses, Physicians and Allied Health Members Pang Nguk Lan, Director, Department of Quality, Safety and Risk Management, Medical Administration, KK Women's and Children's Hospital, Singapore</p> <ul style="list-style-type: none"> • Discuss the role of nursing and importance of promoting a culture of safety amongst all professionals

<p>engagement needed, agility to respond to changing influences, and commitment to deliver.</p> <p>A reflective analysis of the 18 month journey identified lessons learnt into 8 core themes: Governance and Decision making; Procurement and Partnership; Collaboration; Clinical leadership and Engagement; Communication; Technology; Resourcing; and Regional and National context. These learnings and subsequent recommendations for those considering large technology investments in the future will be presented.</p>	<p>them to play their part in disease prevention and disease management, and to help them navigate our health system with ease through digitization.</p>	
<p>Session P4: Managing Healthcare Costs with Digital Health Pang Sze Yunn, Head, Population Health Management, Philips, ASEAN Pacific, Singapore</p> <p>Healthcare cost increases continue to outpace the rest of the economy by a considerable margin, and will continue to grow as the population ages. Globally, chronic disease and falls prevention programs powered by telehealth and predictive analytics have successfully reduced healthcare costs by lowering hospital admissions, enabling ageing at home and reducing health risks. Using case studies, Sze Yunn will show how digital health, big data and predictive analytics have been adopted effectively in US and Europe. She will discuss how insurers, corporations and healthcare providers could come together to change the existing healthcare</p>	<p>14:30 - 15:00 IHiS Session 5: Technology Enablement for Pharmacy - Beyond Pharmacy to Patient Dr. Lou Huei-Xin Pharm D, MSc (Clinical Pharm), Director, Ancillary Care, Integrated Health Information Systems Pte Ltd, Head of National Pharmacy Programme Management Office, Ministry of Health (MOH), Singapore</p> <p>Technology has become an integral component of hospital and polyclinic operations, to deliver better care, improve productivity as well as patient safety. In the pharmacy arena, inpatient and outpatient pharmacy automation systems, closed loop medication managements are some examples whereby technologies have indeed made a difference.</p> <p>In line with Singapore's healthcare</p>	<p>14:20 - 15:10 Nursing Innovation Showcase Challenge</p> <p>1) KKH Lactation Tele-Consultation Speaker: Sharon Lee, Nurse Clinician, KK Women's & Children's Hospital, Singapore</p> <p>2) Wearable Monitoring Devices Speaker: Toh Seow Mei, Senior Nurse Clinician, Nursing Administration (Nursing Informatics), National University Hospital, Singapore</p> <p>3) JurongHealth's Virtual Nurse: An Innovative 3D Game for Nurses Speaker: Siti Zainah, Assistant Nurse Clinician, Nursing Training & Development, Ng Teng Fong General Hospital, Singapore</p> <p>4) Nursing Going Social Speaker: James Ang, Nurse Manager, Tan Tock Seng Hospital, Singapore</p>

14:30 - 15:00

paradigm.

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transformational shifts - going beyond Healthcare to Health, Hospital to Community and Quality to Value, this session will share some insights how technology enablement in the pharmacy could support the new model of care.

15:00 - 15:30

Session P5: Breakthroughs with Neural Networks and AI - Predictive Modeling Comes Alive

Dr. Fatima Paruk M.D., MPH, Chief Medical Officer, Allscripts Analytics, USA

The session provides an overview of the Allscripts artificial intelligence (AI) initiative to leverage Microsoft Azure solutions for predictive models for patient cost and care.

Analytics play a key role in the need for accurate risk stratification, predicting patients with rising costs, and enabling optimized care pathways for improved outcomes. Incorporating insights into actionable information is key to bringing value to existing data assets.

15:00 - 15:30 IHIS Session 6: Healthcare Delivery from Hospital to Community - Health Marketplace

Henry Kang, Deputy Director, ILTC IT Enablement, Integrated Health Information Systems Pte Ltd, Singapore

Against the national backdrop of increasing aged care demand, the current scale of home care providers, and models of delivering care services, limits the ability for traditional market dynamics to encourage service providers to innovate and scale.

The Health Marketplace (HMP) aims to provide the foundational capability to catalyse innovations in the aged care sector. This electronic platform aims to aggregate the growing need for home care across a range of services in a holistic manner and through digitisation promotes efficiencies in home care access and delivery.

15:10 - 15:30 Clinical Decision Making and Patient Safety Through Informatics Using JETS (JurongHealth Escalation Trigger Score)

Jamie Yee, Senior Staff Nurse, JurongHealth Services, Singapore

Dr. Fatima Paruk will highlight success stories and lessons learned in the race to deriving value from big data, and demonstrate how utilizing predictive models can drive business decisions and promote adherence to current, evidence-based guidelines in chronic disease management.

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One of the key enablers of the Health Marketplace is to mitigate manpower shortage. By channeling home care requests via online and self-management processes, it reduces the need for additional administrative and support manpower to manage increasing home care demand. This electronic platform also allows service providers and suppliers to access aggregated demand, whilst improving transactional efficiencies in service ordering, delivery and quality. With this electronic platform, it can also serve to unlock under-utilised resources and build partnerships between providers' offerings.

The Health Marketplace represents a new innovation to transform community healthcare service delivery in today's digital world.

15:30 - 16:00

Tea Break

**15:30 - 16:00 IHIS Session 7:
Empowering Care Team Through
SMART Systems**

Gerard Chew, Head, Innovation Lab,
Integrated Health Information Systems Pte
Ltd, Singapore

Smart Systems are ubiquitous in building a
Smart Nation. From the standpoint of

15:30 - 15:45 Tea Break

16:00 - 16:30

Session P6: Olympics Healthcare Interoperability (OHI) Initiative - Using the Games to Advance Global HIT Implementation

Michael H. Nusbaum B.A.Sc., M.H.S.A., FHIMSS, Vice-Chair Elect, HIMSS Board of Directors, USA

Co-authored by Todd Cooper, Technical Lead, HIMSS OHI Initiative

Every two years, people from around the world converge on a community to compete in the Olympic Games, which celebrates both athletic excellence and innovation. The Olympic host city is required to provide a full health services infrastructure to support athletes, volunteers and spectators, but like most healthcare systems, this is largely characterized by “silos of information”.

The HIMSS Olympic Healthcare Interoperability (OHI) Initiative seeks to advance the seamless exchange and use of health information throughout the Olympic community, before, during and after the games. With startup support from HIMSS and SNOMED International, along with endorsements from many other organizations, the OHI initiative is focusing on the next three Olympic venues: Pyeongchang 2018, Tokyo 2020 and Beijing 2022 (all in Asia!) , as well as the 200+ nations that will participate in each of the

healthcare, Singapore's Smart Systems strategy must be link to initiatives that support the elderly, improve productivity of the ageing workforce, and maintain the status of our healthy population. This talk will discuss the Smart Ward and Smart Home initiatives, and identify some of the challenges facing the programme in driving adoption among the elderly.

16:00 - 16:30 IHIS Session 8: Establishing Scalability & Resiliency in IT - HCloud

Francis Fan, Director, Infrastructure Services, Integrated Health Information Systems Pte Ltd, Singapore

IT has become strategic tool for organization to gain operations efficiency and competitive advantage. Most organization deploys traditional method for BCM/DR using hot or cold backup system in alternative sites to mitigate IT failures. However, there are always challenges in such deployment. This presentation describes the deployment of Cloud services and Active-Active DC configurations, to provide better, faster and dynamic environment for organization to achieve scalability and resiliency in IT System.

15:45 - 16:15 Data, Evidence-Based Practice and Clinical Decision Making in Clinical Care

Michael Draheim, Chief Information Officer, Metro South Health, Australia

16:30 - 17:00

games. This presentation will review how healthcare services are provided during each Olympics, and the opportunity to leverage open standards-based interoperability technologies to improve the safety, quality and expense of these services, as well as impacting every country participating in the games... long after the medals have been awarded!

16:30 - 17:00 IHiS Session 9: Cybersecurity Trends Impacting Healthcare

Chua Kim Chuan, Director, Cyber Security Governance , Integrated Health Information Systems Pte Ltd, Singapore

16:15 - 17:00 Nurses' Role in Achieving Robust Cybersecurity in a Hospital Environment

Theresa Z. Meadows MS, RN, CHCIO, FHIMSS, FACHE, Senior Vice President & Chief Information Officer, Cook Children's Health Care System, USA
Yap Soon Ghee, Deputy Director Nursing (Informatics), Nursing Division, Singapore General Hospital, Singapore
John Ellis, Co-Founder and Principal Consultant, Andgiet Security, Former Chief Strategist, Cybersecurity, Akamai Technologies APJ, Singapore

17:00 - 17:45

17:00 - 17:45 HIMSS Analytics Special - EMRAM Criteria Update

John Daniels, Global Vice President, Healthcare Advisory Services Group, HIMSS Analytics, USA
Tina Hashim, Client Relationship Manager, Asia Pacific & Middle East, Healthcare Advisory Services Group, HIMSS Analytics, Singapore

HIMSS Analytics has updated the hospital EMRAM criteria and will implement the new criteria in 2018.

This not to be missed session will review the new criteria to give attendees the opportunity to ask questions and exchange dialogue with HIMSS Analytics experts on the upcoming changes.

17:00 - 18:00 IHiS Industry Briefing

James Chia, Director, Planning Group- Portfolio Mgmt & Govern-HIT Strategy & Governance, Integrated Health Information Systems (IHiS), Singapore

Location: Roselle Jr Ballroom 4612

17:00 - 17:45 Panel Discussion: Nursing in a Digital Age

Yong Keng Kwang, Chief Nurse, Tan Tock Seng Hospital, Singapore
Paulin Koh, Chief Nurse, Changi General Hospital, Singapore
Samantha Ong, Chief Nurse, Institute of Mental Health, Singapore

Moderator: Trina Adams, General Manager - Australia, Cerner

Hear from chief nurses and nursing leaders on:

- How can nurses effectively enhance patient care with technology
- Ways to embrace the efficiency and effectiveness of IT and not become reliant on it in nursing practice

18:00 - 21:00

HIMSS AsiaPac Awards Dinner

Location: Peony Jr Ballroom
(By invitation/registration only)

