Reducing Costs and Transforming Care

Status of the Hawai‘i HIE and the Community Health Record

Christine Sakuda, MBA
Executive Director
Hawai‘i Health Information Exchange
WELCOME

✓ 1st combined Health Workforce and IT Summit
✓ 5th annual Hawai‘i Health IT Summit
✓ A record 600+ attendees are here today
Hawai‘i HIE’s Mission

• To improve quality of care, increase efficiency, and reduce costs through the effective use of electronic health records (EHRs) and the electronic exchange of clinical data.

• Hawai‘i HIE is a non-profit organization and the state-designated Health Information Exchange (HIE)
Board of Directors and Stakeholders

501(c)3 Non-Profit Est. 2006
Hawai‘i HIE has been the state-designated HIE since 2009
Without a statewide HIE
Each health care provider must build point-to-point connections.

With a statewide HIE
Each health care provider is connected.
Health eNet

HIE Services

- Community Health Record
- Referrals Management Module
- Medication History
- Direct Secure Messaging
- Security Awareness Education
- Immunization Registry Reporting to DOH
- Reportable Labs to DOH Epidemiology
- PASS- Provider Provisioning Tool
Consulting Services

Including but not limited to:

- Meaningful Use Reporting
- PQRS Reporting
- PCMH Reporting
- Chronic Care Management
- Audit Support
- Security Awareness Training
7 Major Breakthroughs
it’s been a very good year!
Breakthrough #1

We Promised,
and We Delivered

The Health eNet
Community Health Record
is LIVE
TODAY
Providers have a single source of consolidated patient information – whenever and wherever they need it.

- **942,000** Patients
- **14,500,000** records to date
- **66%** of the state’s population
- **115** Organizations
- **2,300** Transitions of Care/month
- **208** Providers
- **347** CHR & Referral Users
- **1,400,000** messages/month
The **Health eNet** as a **Referral Management Tool** is a valuable health care asset.

- Ability to securely and seamlessly complete referrals online
  - Less time chasing missing records
  - Elimination of paper faxes
  - Automatic notification for new referral
  - Secure transmission and storage
A Partnership between the Hawai‘i HIE and the QCIPN
Better Outcomes

Pharm2Pharm shows proven results in Enhancing Patient Care

Medication History & Reconciliation

✓ Improves health care outcomes by managing medications
✓ Enables high quality medication reconciliation
✓ Contributes Medication Reconciliation to the Community Health Record
Breakthrough #4

Exceeded ‘Meaningful Use’ Targets

More providers are equipped and have adopted electronic health records for their practices. We are now shifting our focus to critical access hospitals.

525+ Providers Reached
Hawai‘i HIE providers have received $13,460,612 in payments to date

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**CMS EHR Incentive Program, 2014-12**

<table>
<thead>
<tr>
<th>Qualified Medicare/Medicaid Facility</th>
<th>Number of Unique Providers</th>
<th>Payment Amounts Per Facility</th>
<th>Total Payment Amounts (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible Hospitals</td>
<td>19</td>
<td>$2,696,337</td>
<td>$51,000,000</td>
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<tr>
<td>Eligible Professionals</td>
<td>1,268</td>
<td>$23,782</td>
<td>$30,000,000</td>
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---

$13,460,612 in payments to date

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**Hawai‘i HIE providers have received $13,460,612 in payments to date**
Breakthrough #5

Secured Messaging

Supporting Care Coordination

12.3 million messages received

Transitions of Care

26,000+ TOC documents exchanged
Direct Secure Messaging

2,000 Transition of Care messages sent from hospitals to 500 ambulatory PCPs and Specialists per month
New Connections

Data Sharing Agreements with HHSC and HMSA
Hawai‘i HIE is the conduit to deliver clinical data to participating stakeholders supporting:

- Public health reporting
- Population health reporting
Quality Data Exchange

**Member File Exchange**

and selected Laboratory Results Delivery for **Quality Improvement**

★ HMSA
★ Diagnostic Laboratory Services
★ Clinical Laboratories of Hawaii

[Diagram showing data exchange between HMSA, ARW/Cozeva, Hawai‘i HIE, CLH, and DLS.]
Hawaii Health Information Exchange

- Recognizes provider pain points
  - Chasing down records
  - Working in a silo
  - Poly-pharmacy, poly-providers
  - The forgetful patient
  - Frequent fliers and complicated patients
  - Changes to payment systems
  - Changing health care environment
  - Evolving health information technology and quality measures

Health eNet
Suite of services can help!
Provides have a single source of consolidated patient information – whenever and wherever you need it.

Role based access for providers and staff

Almost real-time access to clinical information
Benefits of the Health eNet
Community Health Record

Saves Time

Saves Money

Improves Care
TODAY

✓ 115 Organizations
✓ 208 Providers
✓ 347 Staff

Health eNet

Care Coordination

- Transcribed Reports
- Medication History
- Admission Discharge Transfer (ADT)
- Lab Results
- Allergies
- Radiology Images & Reports
- Referrals
Community Health Record

- More than 940,000 unique patients
- Over 16 Million records
  (as of August 2015)
## What is in Health eNet Today? (as of 8/2015)

### Data sources for the Community Health Record

<table>
<thead>
<tr>
<th>Participating facility (as of August 29, 2015)</th>
<th>Demographics</th>
<th>Admission Discharge Transfer</th>
<th>Laboratory</th>
<th>Pathology</th>
<th>Radiology Reports</th>
<th>Transcribed Reports</th>
<th>Medication History</th>
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<td>Castle Medical Center</td>
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<tr>
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<td>Diagnostic Laboratory Services</td>
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<td>Kaʻu Hospital</td>
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<td>Hale Hoʻola Hamakua</td>
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<td>Hawaiʻi Health Systems Corporation - Kauaʻi County</td>
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<td>Kapʻolani Medical Center for Women &amp; Children</td>
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<td>Health Care Systems (representing ambulatory &amp; inpatient pharmacies across the U.S.)</td>
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</table>
Health eNet

Sign Up TODAY!

Visit the Hawai‘i HIE at Exhibitor Booth #12
Access to up-to-date information when and where you need it.

- Encounters
- Results
- Medications
- Referrals Module (QCIPN)
CHR Encounters

Birds-eye view of patients interaction with the larger health care community

<table>
<thead>
<tr>
<th>Facility/Location</th>
<th>Acct #</th>
<th>Pt. Class</th>
<th>Admit Service</th>
<th>Admit Diagnosis</th>
<th>Admit/Discharge</th>
<th>Admitting</th>
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<tr>
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<td>Emergency</td>
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<td>ER / Room DWR / Bed DWR</td>
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<td></td>
<td>Disc: 4/8/2015 7:02 PM</td>
<td></td>
</tr>
</tbody>
</table>

- Who
- What
- Where
- When
- Why
- How
Personalized delivery of results and notifications

- Almost real-time delivery across all systems
- Admission and Discharge Notifications
- Labs, Radiology, Discharge Summaries, History & Physicals.
CHR Medications

Medication fill history from all providers

• 12 month fill history
• Direct from Surescripts, Pharmacies, Insurance Companies, Pharmacy Benefit Managers
• Drill down for additional fill information

<table>
<thead>
<tr>
<th>Medication / Strength</th>
<th>Pharmacy</th>
<th>Prescribed By</th>
<th>Last Fill</th>
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<tr>
<td>NAPROXEN 500 MG TABLET</td>
<td>LONGS DRUG STORE #09182</td>
<td>MORTON, RONALD</td>
<td>05/19/2015</td>
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<tr>
<td>HYDROCODONE/APAP TAB 5-325MG</td>
<td>THE QUEENS MEDICAL CENTER PHCY</td>
<td></td>
<td>05/14/2015</td>
</tr>
<tr>
<td>CIPROFLOXACIN TAB 250MG</td>
<td>THE QUEENS MEDICAL CENTER PHCY</td>
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<td>05/14/2015</td>
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<tr>
<td>SULFAMETHOXAZOLE-TMP DS TABLET</td>
<td>Longs Drug Store #9220</td>
<td>RUGGIERI, ROBERT</td>
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<tr>
<td>TRAMADOL HCL 50 MG TABLET</td>
<td>Longs Drug Store #9220</td>
<td>LAU, CLIFFORD</td>
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<tr>
<td>METHYLpred PAK 4MG</td>
<td>LONGS DRUG STORE #09182</td>
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<td>05/01/2015</td>
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<tr>
<td>CELECOXIB 200 MG CAPSULE</td>
<td>Longs Drug Store #9220</td>
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<td>05/01/2015</td>
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<tr>
<td>ACETAMINOPHEN-COD #3 TABLET</td>
<td>Longs Drug Store #9220</td>
<td>LAU, CLIFFORD</td>
<td>05/01/2015</td>
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</table>
Currently available to Queen’s CIPN physicians:

- Securely and seamlessly complete referrals online
- Streamlines referral management process
- Allows for referrals across multiple EMRs
- Real-time tracking of referral status
Referrals Module

Personalized to the practice

• Fewer phone calls and faxes
• Reduced manual data entry
• Everything in one place

Health eNet

QUEEN'S CLINICALLY INTEGRATED PHYSICIAN NETWORK
Hawai‘i HIE Operating Activity
$4,004,419

State - DOH 20%
Federal 13%
Professional Services 21%
Private Subscriptions 46%

Sustainability
- Originally grant funded
- Currently state and private sector funded
- Future: transitioning to predominantly Private funding

Private Subscriptions
- Hospitals = per/bed fee
- Healthplans = per/member fee
- Other subscriptions

Professional Services
- Provider Services
- Provider IT Services
- Small Practice Risk Assessment
Congratulations to Dr. Stephen Miyasato
2015 Health IT Leader

“Get on-board with Hawaii HIE and their Referral/Consult Coordination so we can move to the next stage of care coordination and interoperability.”
Future Plans

MORE PARTICIPATION

- Remaining hospitals
- Federally qualified community health centers
- Specialty data sources
- Single-source sign-on
- Integrated engine
## Hawaii HIE Provider Services Goals 2016 - Provider Totals

<table>
<thead>
<tr>
<th>Category</th>
<th>FY16 Q1</th>
<th>FY16 Q2</th>
<th>FY16 Q3</th>
<th>FY16 Q4</th>
<th>TOTAL</th>
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<tbody>
<tr>
<td>Referral &amp; CHR Rollout – Phase I</td>
<td>189</td>
<td>257</td>
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<td>446</td>
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<td>CHR Rollout Maui Medical Group</td>
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<td>CHR Rollout Maui-General</td>
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<td>CHR Rollout Department of Health CAMHD</td>
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<td>CHR Rollout General</td>
<td>50</td>
<td>75</td>
<td>324</td>
<td>324</td>
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<td><strong>Total HIE Service</strong></td>
<td>282</td>
<td>386</td>
<td>393</td>
<td>393</td>
<td>1454</td>
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</table>

### Additional Healthcare Providers
- Pharmacies
- Hospice
- Palliative Care
- Diabetes Education
- Chronic Kidney Education
- Physical Therapy
- Home Health
- Cardiac Rehab
- Home Infusion
- Early Intervention/WIC etc
- Long-Term Care/Skilled Nursing Facilities

### Queens
- Cancer Center
- Cardiology
- Head & Neck
- GI Clinic
- Employed Providers
- Diabetes Education
- Physical Therapy

### Castle

### Castle

### HHSC

### Hilo
## Hawaii HIE Provider Services Goals 2016 - Provider Totals

<table>
<thead>
<tr>
<th>Category</th>
<th>FY16 Q1</th>
<th>FY16 Q2</th>
<th>FY16 Q3</th>
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<td><strong>Total Provider Service</strong></td>
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<td>187</td>
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Mahalo!

Questions?

Christine Sakuda MBA
Executive Director Hawaiʻi HIE
808-441-1411
csakuda@hawaiihie.org