
2015 Health Workforce and IT Summit

September 19, 2015 • Sheraton Waikiki Hotel & Resort

Reducing Costs and Transforming Care

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

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Hawai'i Health Information Exchange



2015 Health Workforce and IT Summit

September 19, 2015 • Sheraton Waikiki Hotel & Resort

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

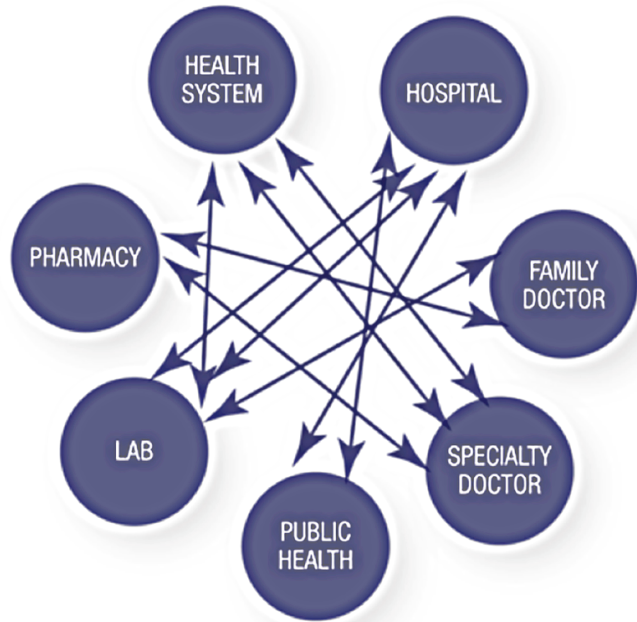
Hawai'i HIE has been the state-designated HIE since 2009



John A. Burns School of Medicine
University of Hawai'i at Manoa

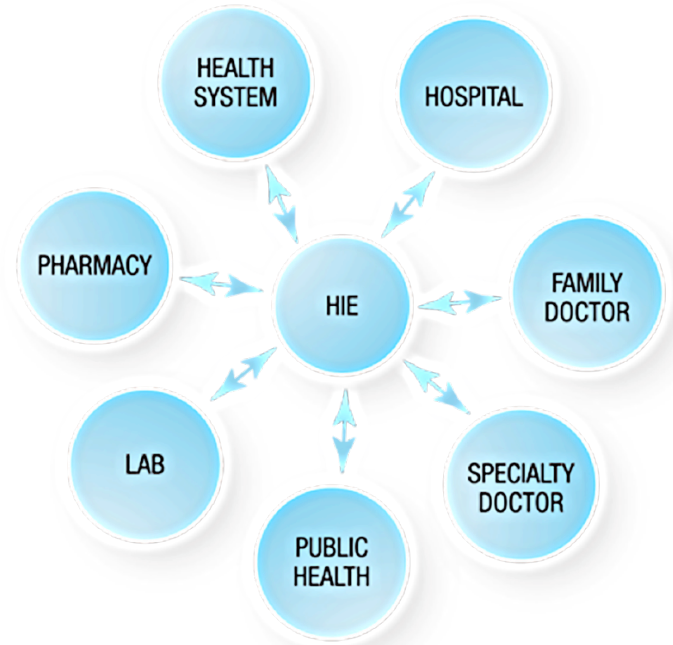


Health IT Vision



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 *e*Net

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 *e*Net

Community Health Record

is LIVE

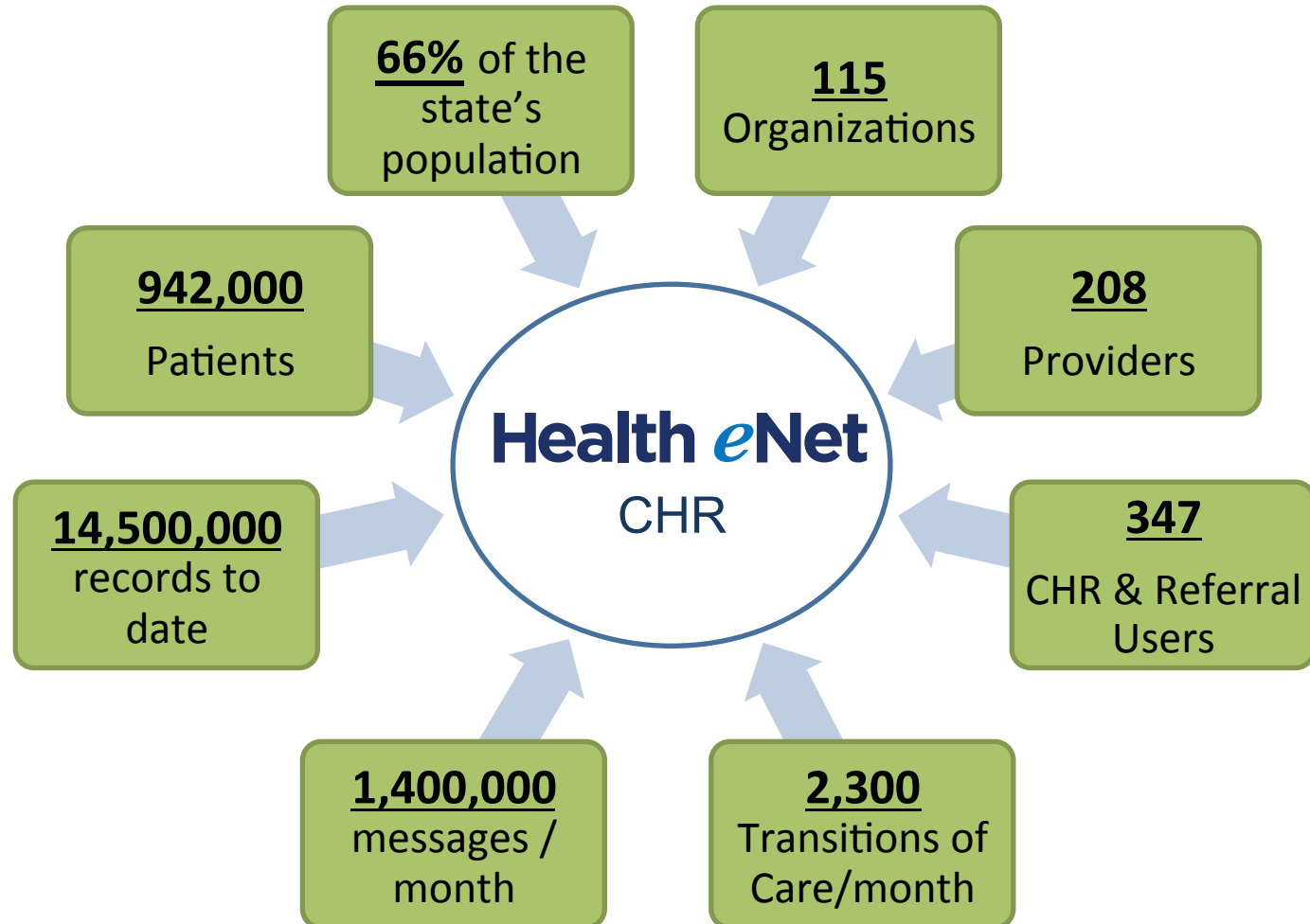


Community Health Record

Utilization

TODAY

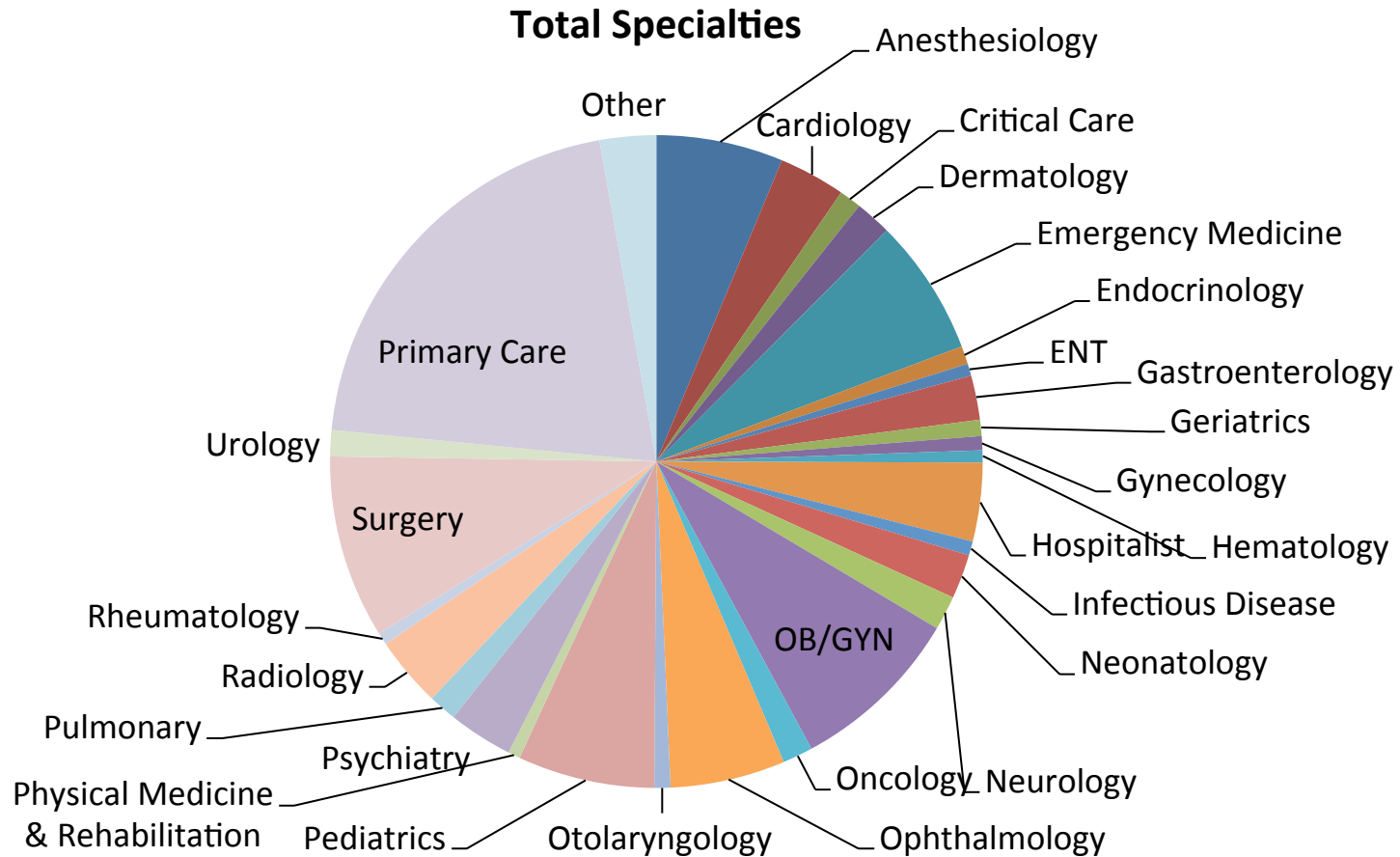
Providers have a single source of consolidated patient information – whenever and wherever they need it.



**The Health *e*Net 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



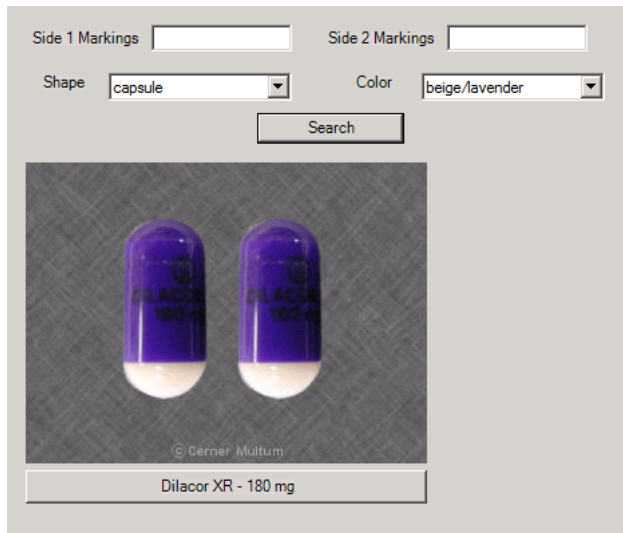
Better Outcomes

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.

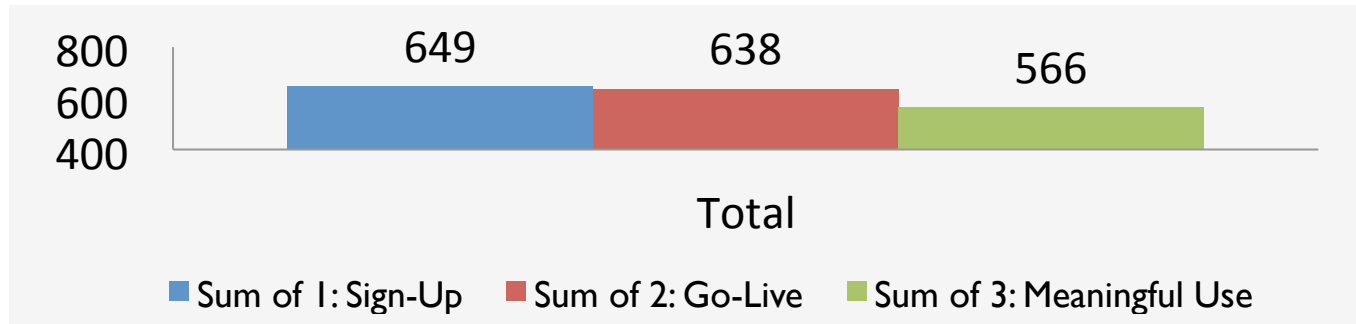
We are now shifting our focus to critical access hospitals.

**525+ Providers
Reached**



Hawai'i HIE providers have received

\$13,460,612 in payments to date



CMS EHR Incentive Program, 2014-12			
Qualified Medicare/ Medicaid Facility	Number of Unique Providers	Payment Amounts Per Facility	Total Payment Amounts (in millions)
Eligible Hospitals	19	\$2,696,337	\$51,000,000
Eligible Professionals	1,268	\$23,782	\$30,000,000

Secured Messaging

Supporting Care Coordination

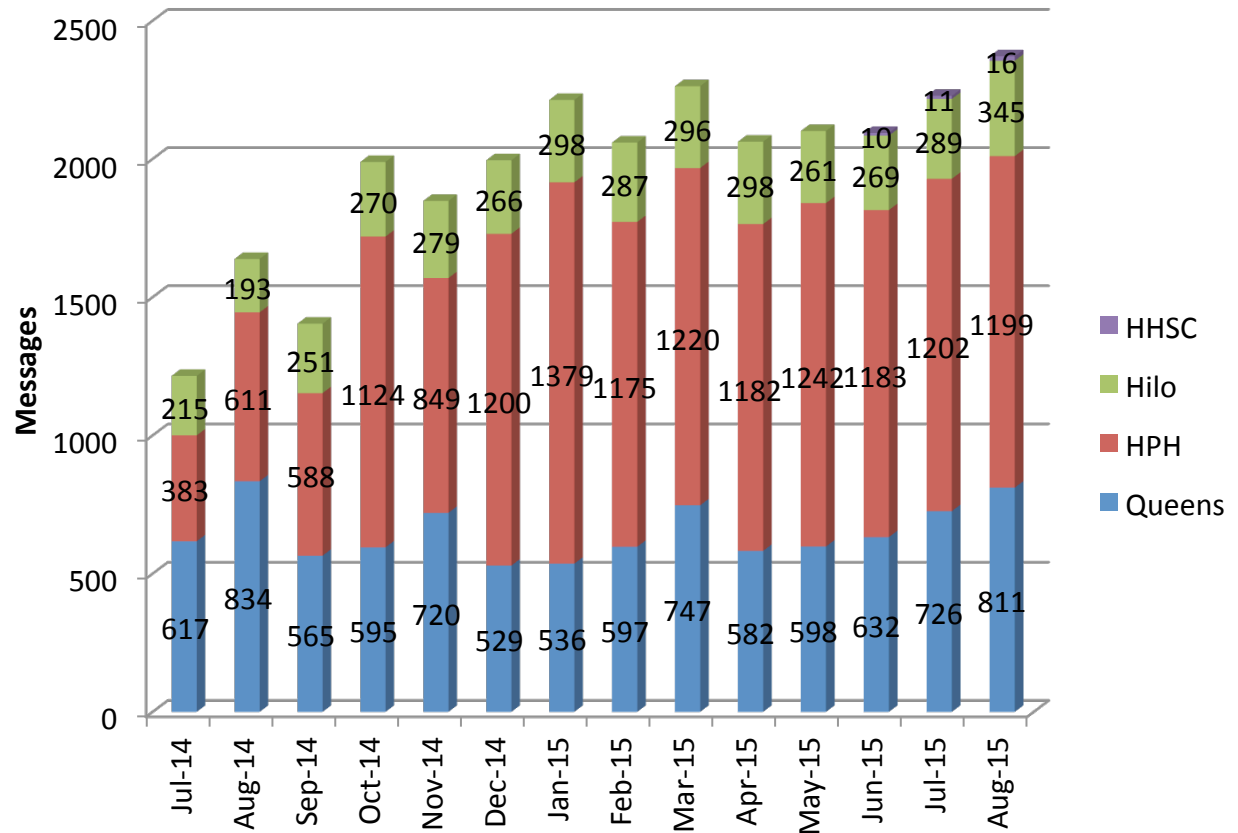
12.3
million
messages
received

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



Breakthrough #6

New Connections

Data Sharing Agreements with HHSC and HMSA

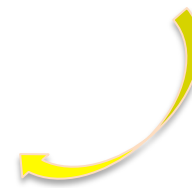


Breakthrough #7

More Data

Hawai'i HIE is the conduit to deliver clinical data to participating stakeholders supporting:

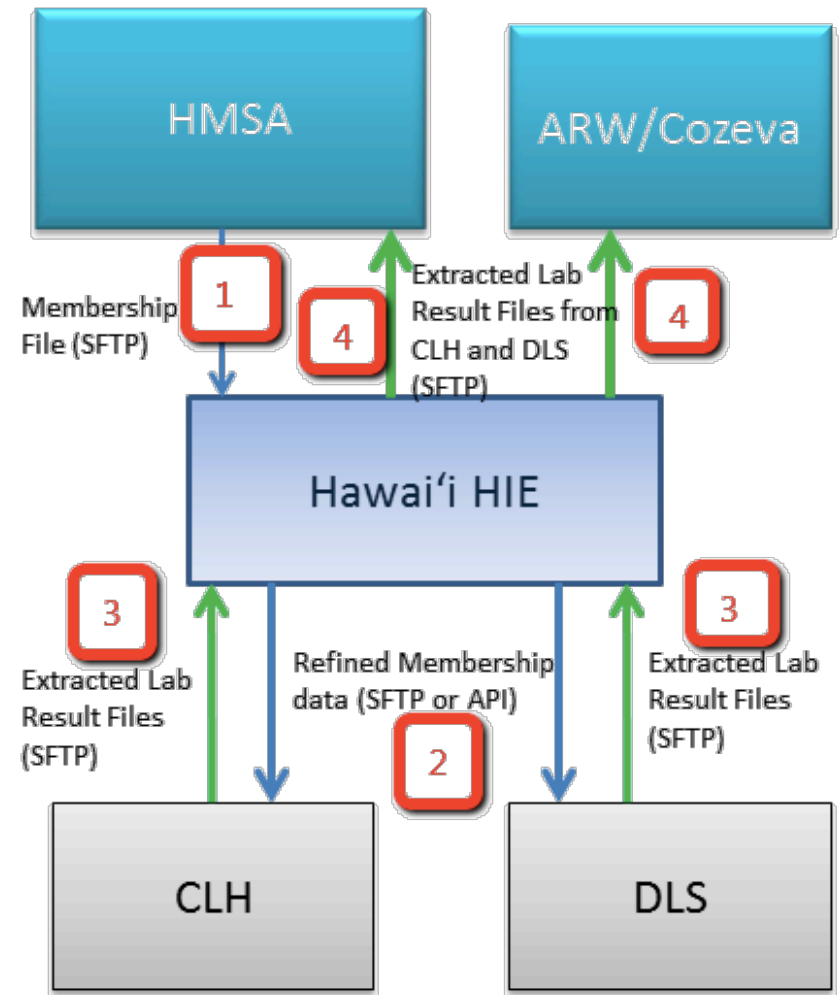
- **Public health reporting**
- **Population health reporting**



Quality Data Exchange

Member File Exchange and selected Laboratory Results Delivery for Quality Improvement

- ★ HMSA
- ★ Diagnostic Laboratory Services
- ★ Clinical Laboratories of Hawaii



Community Health Record



Health *e*Net



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!

Community Health Record

- 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

The screenshot displays the Health eNet interface for a patient named BENDER, WALTON P. The patient's MRN is 00000263589099, and they are a male aged 81, born on 6/23/1932. The interface includes a search bar, navigation tabs (Patient Summary, Encounters, Results, Medications, Documents), and a 'Results' section. The 'Results' section shows a table of clinical findings with columns for Date, Type, Description, Alerts, Ordering, Facility, and Status. A filter panel allows users to refine results by type (All, Lab, Rad, Trans, Pulmo, Path, Cardio, Cath, GI) and status (All, Completed, Active).

Date	Type	Description	Alerts	Ordering	Facility	Status
3/1 02/2011 8:19:17 AM	LAB	BLOOD CULTURE, BACTERIOLOGY		PITTMAN, JONI	Christiana Care	Completed
3/1 02/2011 7:37:58 AM	CARDIOLOGY	ECG-Electrocardiogram		RAMOS, NDEMI	City Center Hospital	Completed
3/1 02/2011 7:27:06 AM	PATHOLOGY	THROAT SAMPLE EXAM		RAMOS, NDEMI	Christiana Care	Completed
3/1 02/2011 6:39:37 AM	CARDIOLOGY	Echocardiogram TTE		PITTMAN, JONI	City Center Hospital	Completed
3/1 02/2011 4:57:17 AM	RAD	VENOUS DOPPLER		PITTMAN, JONI	Christiana Care	Completed
3/1 02/2011 4:29:35 AM	LAB	PDC ABO	Abnormal	RAMOS, NDEMI	Christiana Care	Completed
3/1 02/2011 4:25:08 AM	RAD	SPINAL TAP		RAMOS, NDEMI	Christiana Care	Completed
3/1 02/2011 3:12:58 AM	CARDIOLOGY	Stress Echocardiogram		PITTMAN, JONI	City Center Hospital	Active

Benefits of the Health *e*Net Community Health Record



Saves Time



Saves Money



Improves Care

Health *e*Net



TODAY

- ✓ **115 Organizations**
- ✓ **208 Providers**
- ✓ **347 Staff**



Community Health Record

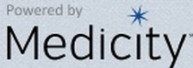

Hawaii Health Information Exchange Natalie Pagoria QMC ▾

681 Results Inbox 1 Referrals Messaging

Patient Search

Enter Name, MRN, SSN or DOB

Search

Powered by  Medicity 

- 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



Participating facility (as of August 29, 2015)	Demographics	Admission Discharge Transfer	Laboratory	Pathology	Radiology Reports	Transcribed Reports	Medication History
Castle Medical Center	✓	✓	✓	✓	✓	✓	
Clinical Laboratories of Hawai'i	✓	✓	✓	✓			
Diagnostic Laboratory Services	✓		✓				
Hilo Medical Center Ka'u Hospital Hale Ho'ola Hamakua	✓	✓	✓	✓	✓	✓	
Hawai'i Health Systems Corporation - Maui County Maui Memorial Medical Center Kula Hospital Lana'i Community Hospital	✓	✓	✓	✓	✓	✓	
Hawai'i Health Systems Corporation - Kauai County Kauai Veterans Memorial Hospital Samuel Mahelona Memorial Hospital	✓	✓	✓	✓	✓	✓	
Hawai'i Health Systems Corporation - Hawai'i County Kona Community Hospital Kohala Hospital	✓	✓	✓	✓	✓	✓	
Hawai'i Pacific Health Kap'iolani Medical Center for Women & Children Pali Momi Medical Center Wilcox Memorial Medical Center Straub Clinic and Hospital	✓	✓	✓	✓	✓	✓	
The Queen's Medical Center Queen's Medical Center Queen's Medical Center West Molokai General Hospital NHCH (pending Epic implementation)	✓	✓	✓	✓	✓	✓	
Health Care Systems (representing ambulatory & inpatient pharmacies across the U.S.)	✓						✓

Information is currently available for viewing by Providers

Actively in development to address technical and/or contractual requirements

Health *e*Net

Sign Up TODAY !



Visit the Hawai'i
HIE at
Exhibitor Booth #12

Health *e*Net

Highlights



Access to up-to-date information when and where you need it.

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

Health *e*Net

CHR Encounters

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

Facility/Location	Acct #	Pt. Class	Admit Service	Admit Diagnosis	Admit/Discharge	Admitting
EMER						
The Queen's Medical Center EMER Room DWR / Bed DWR	13802059	Emergency	Emergency		4/24/2015 5:23 PM Disc:4/24/2015 9:09 PM	KURODA, RONALD M.
The Queen's Medical Center EMER Room H06 / Bed H06	13710790	Emergency	Emergency		4/11/2015 4:48 PM Disc:4/12/2015 3:08 AM	SUZUKI, SHERRIE M
The Queen's Medical Center EMER	13669118	Emergency	Emergency		4/6/2015 1:37 PM Disc:4/6/2015 7:02 PM	WAKUZAWA, WYNN T.

- Who
- When
- What
- Why
- Where
- How

Results Inbox

Personalized delivery of results and notifications

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

Results Inbox (53 Unread)

Print

Click column titles to sort

View By: 20 100 All

Consent	Date/Time	Name	DOB	Type	Description	Alerts	Provider	Facility	<input type="checkbox"/>
	05/28/2015 13:14	MURAKAMI, CEY H	8/12/1972	Laboratory	CBC	Abnormal	MIYASATO, STEPHEN (AIEA MED)	Clinical Laboratories of Hawaii	<input type="checkbox"/>
	05/28/2015 10:33	CORDEIRO, RUDOLPH JOHN	6/11/1934	Laboratory	Comp Metabolic Panel	Abnormal	MIYASATO, STEPHEN (AIEA MED)	Clinical Laboratories of Hawaii	<input type="checkbox"/>
	05/28/2015 10:15	ARANAYDO, MITSUE	1/8/1943	Laboratory	Urine Culture		MIYASATO, STEPHEN (AIEA MED)	Clinical Laboratories of Hawaii	<input type="checkbox"/>
	05/28/2015 10:15	SUNOUCHI, JANICE E T	5/27/1969	Pathology	GYN Cytology		TSAI, LYNETTE W	Clinical Laboratories of Hawaii	<input type="checkbox"/>

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

	Medication / Strength	Pharmacy	Prescribed By	Last Fill
+	NAPROXEN 500 MG TABLET []	LONGS DRUG STORE #09182	MORTON, RONALD	05/19/2015
+	HYDROCO/APAP TAB 5-325MG 0 []	THE QUEENS MEDICAL CENTER PHCY		05/14/2015
+	CIPROFLOXACN TAB 250MG []	THE QUEENS MEDICAL CENTER PHCY		05/14/2015
+	SULFAMETHOXAZOLE-TMP DS TABLET []	Longs Drug Store #9220	RUGGIERI, ROBERT	05/10/2015
+	TRAMADOL HCL 50 MG TABLET []	Longs Drug Store #9220	LAU, CLIFFORD	05/08/2015
+	METHYLPRED PAK 4MG []	LONGS DRUG STORE #09182		05/01/2015
+	CELECOXIB 200 MG CAPSULE []	Longs Drug Store #9220		05/01/2015
+	ACETAMINOPHEN-COD #3 TABLET []	Longs Drug Store #9220	LAU, CLIFFORD	05/01/2015

Referrals Module

Referrals

Optic

My Referrals

Sent Referrals

Received Referrals

Questionnaire Management

Inbound Preferences

Received Referrals

Print Work

Sort Referrals By

Order

Filter Referrals By

Advanced Filters

Clear Filters

View by: 10 20 50 100

Showing 1-2 of 2

Expand All

	Source	Destination	
<p>ZZTEST, BUBBA MALE Age 62 DOB 11/07/1952 Status: Consult Added</p>	<p>AAA Gastroenterology Services Wong, Robert Referred: 3/3/2015 8:56 AM</p>	<p>The Queen's Medical Center Kaufmann TEST, Jonat... Appt: 3/16/2015 3:15 PM</p>	<p>Assigned to Choose Last Update: 3/10/2015 12:26 PM</p>



QUEEN'S
CLINICALLY
INTEGRATED
PHYSICIAN
NETWORK

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



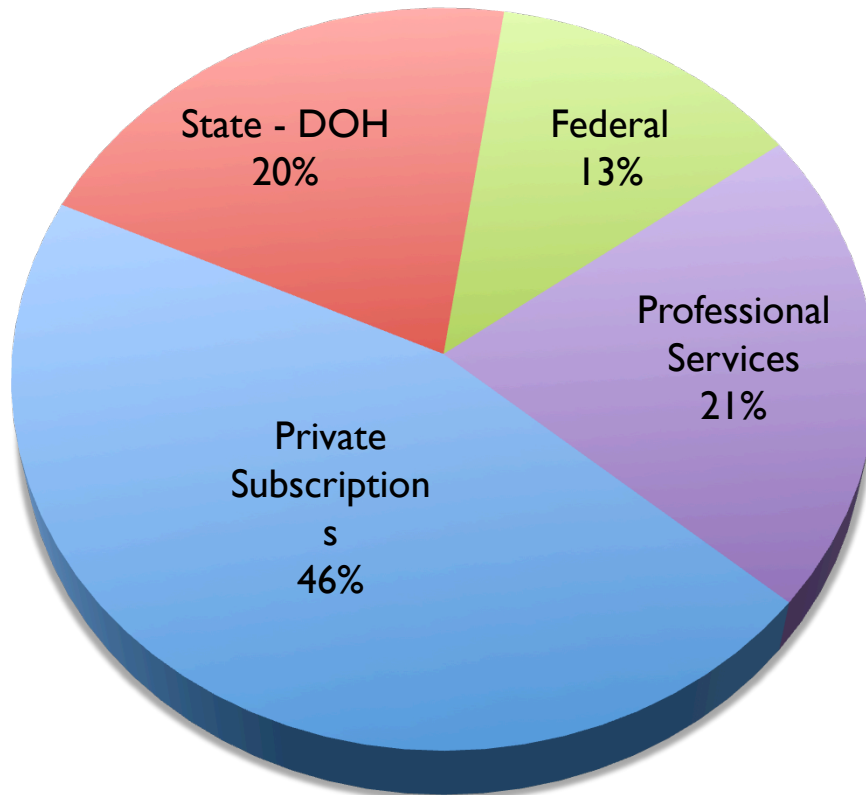
QUEEN'S CLINICALLY INTEGRATED
PHYSICIAN NETWORK

ZZTEST, BMW FEMALE Age 40 DOB 04/05/1975 Status: <input type="text" value="New"/>	AAA Gastroenterology Services Wong, Robert Referred: 3/10/2015 12:19 PM	The Queen's Medical Center <input type="text" value="Kaufmann TEST, Jonat..."/> Appt: none	Assigned to <input type="text" value="Choose"/> Last Update: 3/10/2015 12:19 PM
Referral Information Patient - ZZTEST, BMW Source Location - AAA Gastroenterology Services Source Provider - Robert Wong (No Phone) Status - Marked New on 3/10/2015 12:19 PM Appointment - Not Scheduled Authorization Info - No precert required Associated ICD-9 - 564.00 (Constipation, unspecified) Reason - Constipation Comments - Needs to be seen in 1 week		Insurance - Destination Location - The Queen's Medical Center Destination Provider - Jonathan Kaufmann TEST (No Phone) Submitted By - Dawn Young on 3/10/2015 12:19 PM	
			View Patient Profile ▶ Print Referral

Sustainability

Hawai'i HIE Operating Activity

\$4,004,419



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

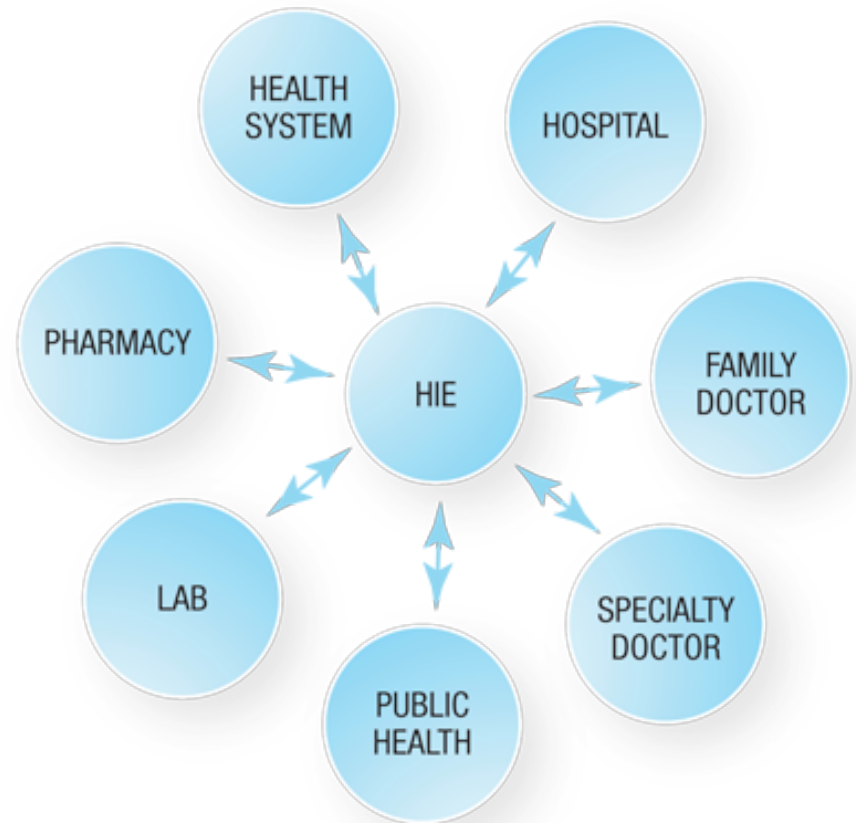


“Get on-board with Hawaii HIE and their Referral/Consult Coordination so we can move to the next stage of care coordination and interoperability.”

Future Plans

MORE PARTICIPATION

- Remaining hospitals
- Federally qualified community health centers
- Specialty data sources
- Single-source sign-on
- Integrated engine



Health eNet

CHR & Referral Rollout

Hawaii HIE Provider Services Goals 2016 - Provider Totals					
Category	FY16 Q1	FY16 Q2	FY16 Q3	FY16 Q4	TOTAL
Referral & CHR Rollout – Phase I	189	257	0	0	446
CHR Rollout Maui Medical Group	30	30	0	0	60
CHR Rollout Maui-General	13	14	60	60	147
CHR Rollout Department of Health CAMHD	0	9	9	9	28
CHR Rollout General	50	75	324	324	773
Total HIE Service	282	386	393	393	1454

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

Hilo

HHSC



Professional Services Rollout

Hawaii HIE Provider Services Goals 2016 - Provider Totals					
<u>Category</u>	<u>FY16</u> <u>Q1</u>	<u>FY16</u> <u>Q2</u>	<u>FY16</u> <u>Q3</u>	<u>FY16</u> <u>Q4</u>	<u>TOTAL</u>
Provider Consulting Services					
Meaningful Use EP Consulting	39	39	39	39	156
Meaningful Use CAH Consulting	3	9	0	0	12
Meaningful Use EP Consulting - MQD	0	24	24	24	71
PCMH Validations	70	105	31	31	238
Transitions of Care Connections	14	43	43	43	143
Security Awareness Training	0	50	50	50	150
Security Risk Assessment	0	0	0	0	0
Total Provider Service	126	270	187	187	770

Mahalo !

Questions?

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