

# The Whoosh: Innovative Data Exchange to Save Time and Improve Care in Hawaii, Boston EMA, and Riker's Island

Alison Jordan, Senior Director, Transition Reentry & Continuity Services, New York Health and Hospitals Corporation

Ray Higa, Planner, Hawaii Department of Health

Eric Thai, Interim Director, HIV/AIDS Services Division, Boston Public Health Commission

Jesse Thomas, RDE System Support Group, LLC

# Hello!

**Jesse Thomas, Project Director**

- **Serving public health for over 18 years, HIV/AIDS programs 12+ years (HRSA, CDC, HUD, NIH)**
- **RDE Systems**
  - **Founded by head technologist teaching at Rutgers University in MPA program**
  - **Human factors slant: People First!**
  - **“A most unique IT company. Mission-driven.”**
- **Technical Manager for over 12 HRSA Special Projects of National Significance**



# Disclosures

New York Health and Hospitals Corporation, Hawaii Department of Health and Boston Public Health Commission have no financial interest to disclose.

Jesse Thomas works as Project Director for RDE System Support Group, LLC.

This continuing education activity is managed and accredited by Professional Education Services Group in cooperation with HSRA and LRG. PESG, HSRA, LRG and all accrediting organization do not support or endorse any product or service mentioned in this activity.

PESG, HRSA, and LRG staff has no financial interest to disclose.

# Learning Objectives

At the conclusion of this activity, the participant will be able to:

1. Recognize how a paradigm of health information exchange can free up time which is more constructively spent on client care and quality improvement.
2. Describe how to adopt and adapt strategies and tools to implement web-based resources to achieve federal compliance and improved quality management.
3. Identify, analyze and evaluate the pitfalls and benefits of implementing health information exchange, including the adoption of federal Office of that National Coordinator (ONC) standards.



# Obtaining CME/CE Credit

If you would like to receive continuing education credit for this activity, please visit:

<http://ryanwhite.cds.pesgce.com>

Who are you?



## What is HIE?

Health Information Exchange allows health care professionals and patients to appropriately access and securely share a patient's vital medical information electronically. There are many health care delivery scenarios driving the technology behind the different forms of health information exchange available today.

[Read More >](#)

## HIE Benefits

Sharing updated, electronic patient information with other providers enables you to:

- Access and confidentially share patients' vital medical history, no matter where your patients are receiving care—specialists' offices, labs or emergency rooms
- Provide safer, more effective care tailored to your patients' unique medical needs

[Read More >](#)

**Share it!**

**&**

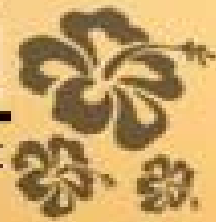
**Use it!**



# Three Stories

# E2 HAWAII

THE VERY BEST FOR THOSE WHO CARE

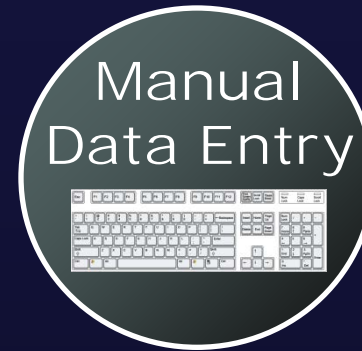
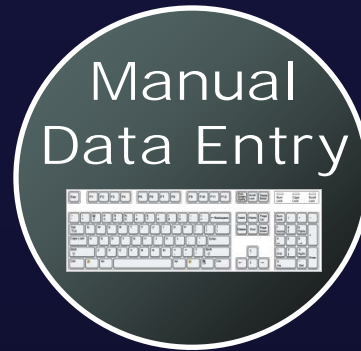


# WAIKIKI HEALTH

MEDICAL & DENTAL • PREVENTIVE CARE • SOCIAL SERVICES

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# The Old Way





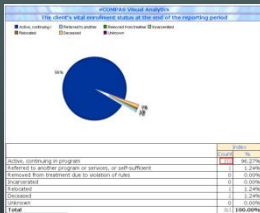
### eCOMPAS Data Import Engine



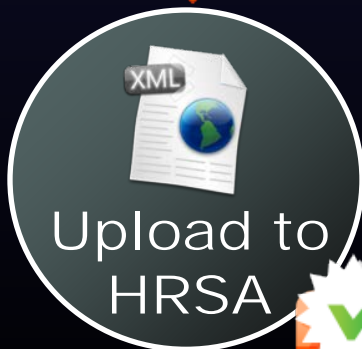
- Review Imported Data
- Resolve Data Conflicts
- Import Records



### eCOMPAS Visual RSR

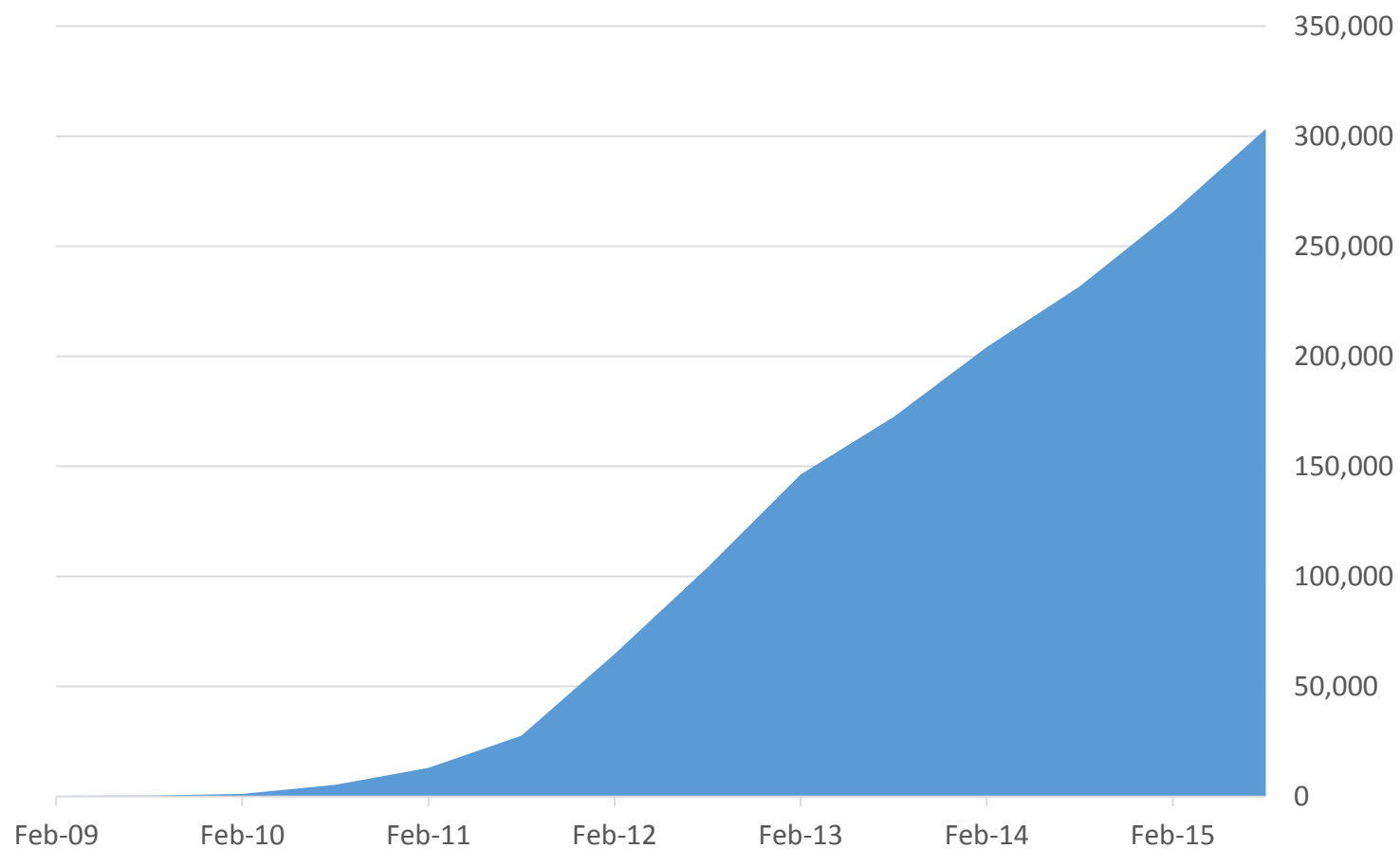


- One Click Visual RSR
- Quality Control Data
- Generate Client Level Data File



# Waikiki Health Data Import

WHC - Data Elements Imported







# Launch!

1. Smooth launch on-time
2. Imported 9+ years of Dental Data
3. e2Boston is currently used by 42 providers
4. RSR-Compliant
5. Data Import + Data Converter Module Support for 220 users
6. Holds over 13,250+ client records.
7. Holds over 281,800+ service records.
8. Manages 6+ million pieces of client data.



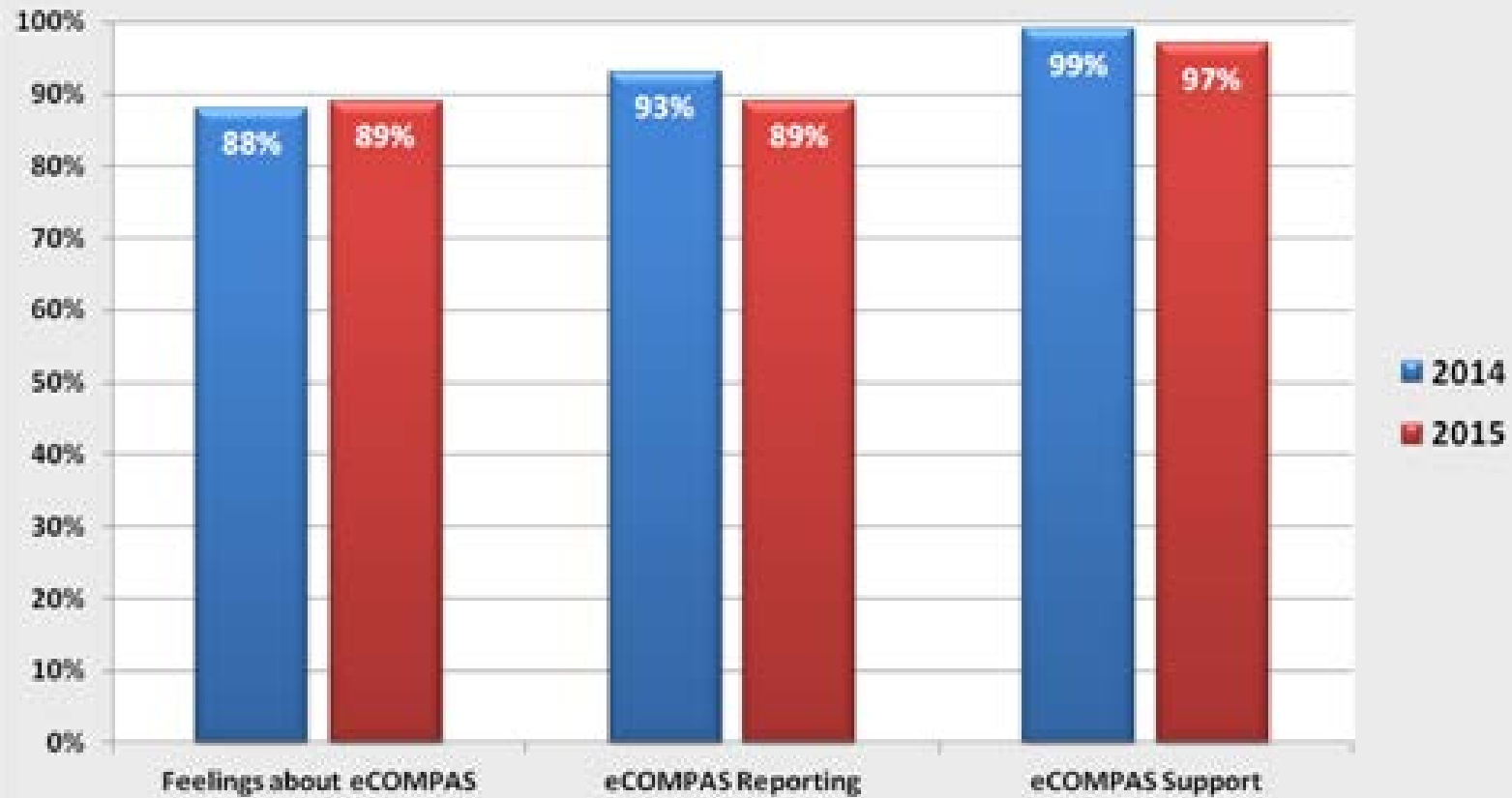
# Importance of Stakeholder Engagement and Support

# Proactive Courtesy Calls and Evaluation

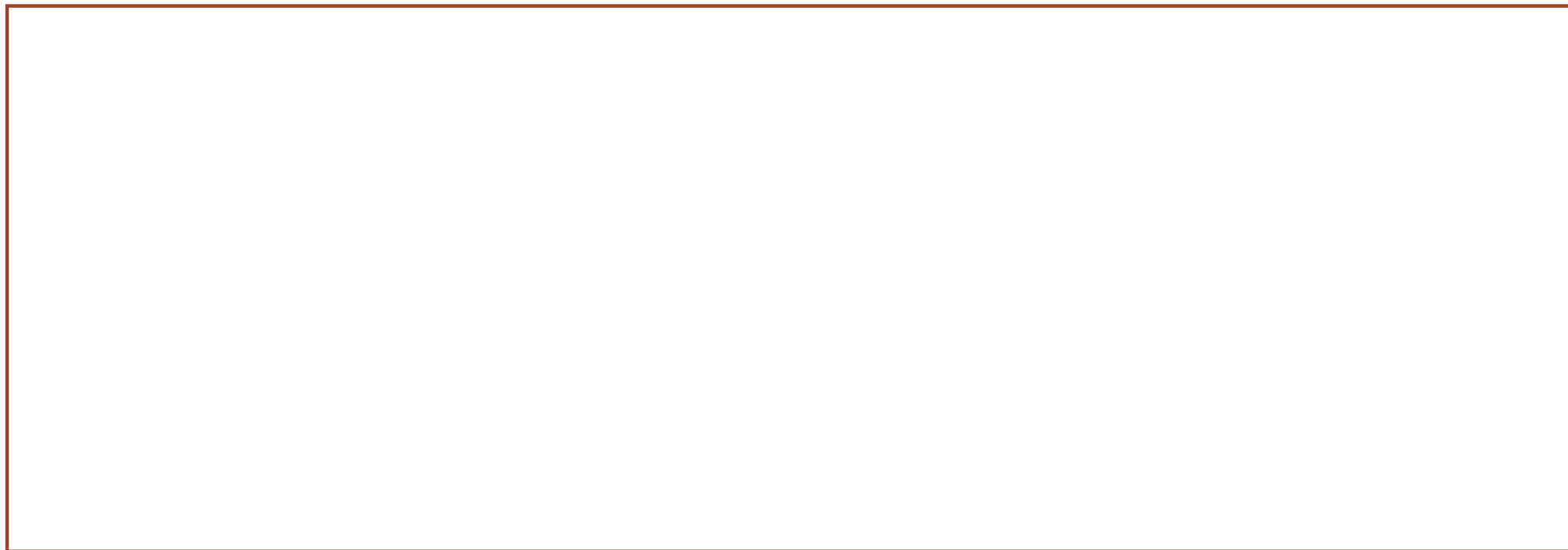
1. Any problems or barriers with using the system?
2. To what degree is the system saving you time?
3. To what degree is the system reporting effective for you?
4. How is technical assistance and support for you?
5. If not a “10”, what can we do to make it a “10”?

*“The fact that someone calls me to make sure that all is well and to see if I have any ideas is just great.”*

## eCOMPAS Satisfaction Scores for e2Boston



- “It’s easy to navigate. I like how the client utilization report allows me to make sure data matches before it is submitted.”
- “I love it! Overall, it is easy to use.”
- “It’s a great system. I like that it gives all the information right away.”
- Everything is manageable and good. Very useful system.”
- The system is excellent. It is easy to access and use it.”
- “It’s a breeze [to use].”
- “One of the best programs. I love it!”
- “It’s been really great! Everything I need is right in front of me.”
- “Support for e2Boston has been very helpful and responsive.”
- “Overall, I like it much better than the old system. Everything is a click away.”
- “We love it! It is really helpful and the reports definitely give me what I need.”
- “It’s working beautifully. Makes our jobs much easier.”
- “I love the reporting and demographics!”
- “Keep up the great work! I love the new system!”



**Standards, Tools, TA:**

**RSR+**

**&**

**The Data Converter**

# Security and Confidentiality

- Advanced Security Module (LKMv2)
- Ethical Hacking / Application Scanning
- Network Vulnerability Scanning
- Point-to-point channel encryption (SSL)
- Strong passwords with 90-day forced expirations
- Role-based security
- Audit Trail
- Access Logging
- IP Address Logging
- Multiple Firewalls (Stateful inspection)
- Encrypted offsite backups
- Continuous Security Updates
- OWASP Security Principles and Code Review
- CISSP with ISSAP and ISSMP concentrations
- Secure Coding Practices and Policies and Procedures
- BAA
- Security Audits



# Secure GovCloud – FedRAMP

## AWS Assurance Programs







### Login

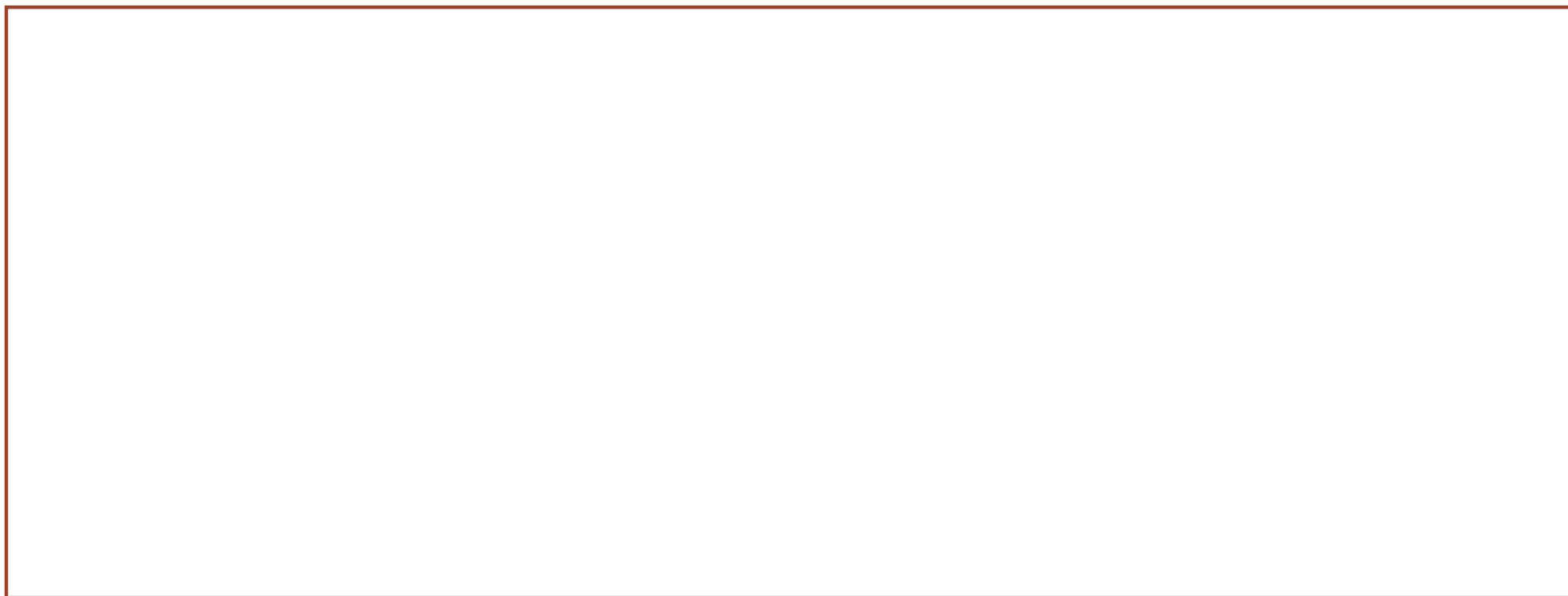
Username

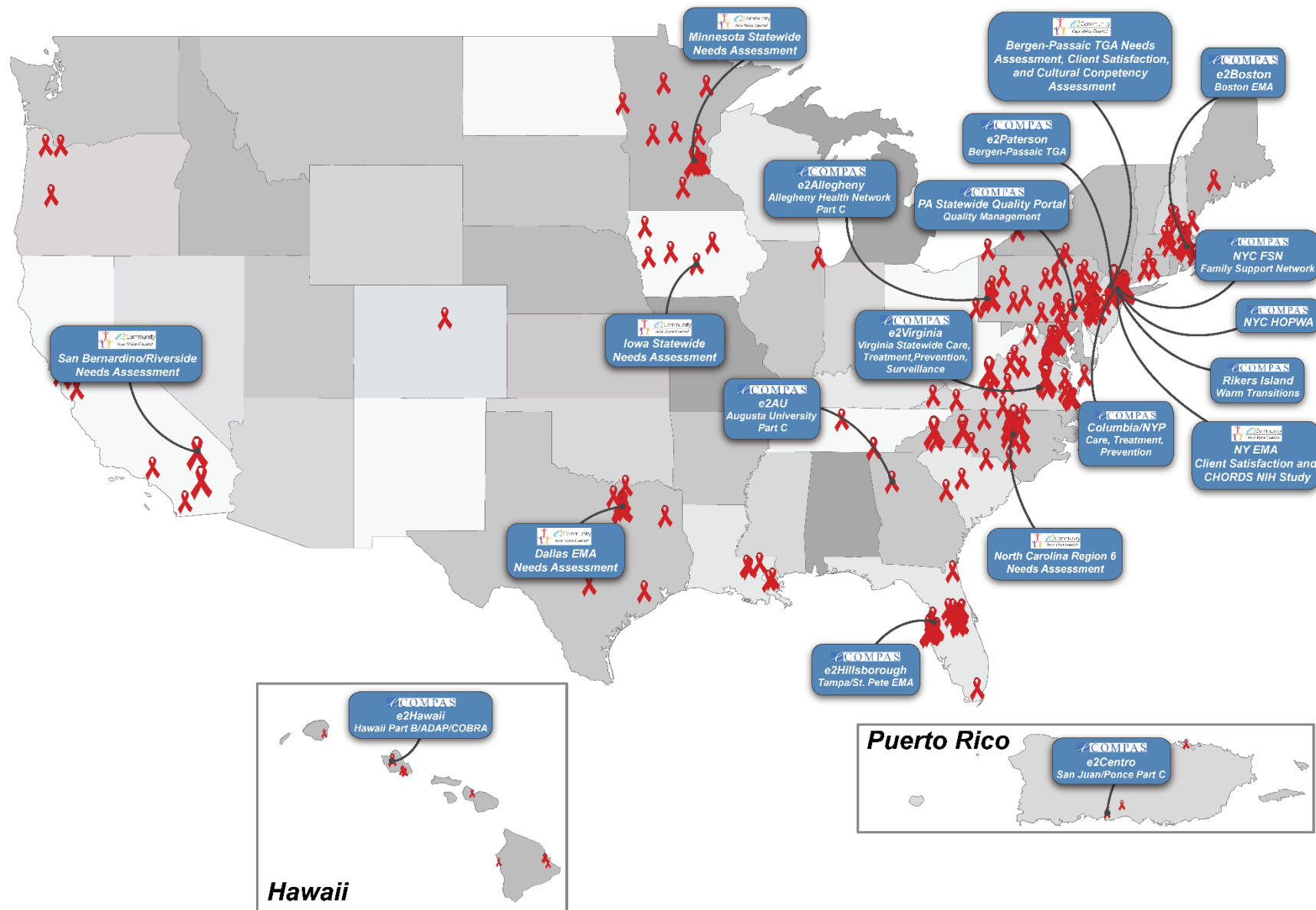
Password

Log in

 This is a secured web connection. All data is protected by the highest level of Internet encryption (SSL).

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[illegible]





[illegible]

**132+ million provider data points exchanged**

COMPAS e2Boston Boston EMA

COMPAS e2Paterson Bergen-Passaic TGA

COMPAS e2Allegany Allegheny Health Network Part C

PA Statewide Quality Portal Quality Management

COMPAS NYC FSN Family Support Network

COMPAS NYC HOPWA

COMPAS e2Rikers Island Rikers Island Warm Transitions

COMPAS e2Columbia Columbia Care, Treatment, Prevention, Surveillance

COMPAS e2Virginia Virginia Statewide Care, Treatment, Prevention, Surveillance

COMPAS e2Augusta Augusta University

COMPAS e2Iowa Iowa Statewide Needs Assessment

COMPAS e2San Bernardino/Riverside San Bernardino/Riverside Needs Assessment

COMPAS e2Hawaii Hawaii Part B/ADAP/COBRA

COMPAS e2Hillsborough Hillsborough Tampa/St. Pete EMA

COMPAS e2Centro San Juan/Ponce Part C

COMPAS e2North Carolina Region 6 North Carolina Region 6 Needs Assessment

COMPAS e2Chords NIH Study

Hawaii

Puerto Rico



[illegible]

[illegible]



Higher-quality, more  
coordinated care

Better data, less stressed users

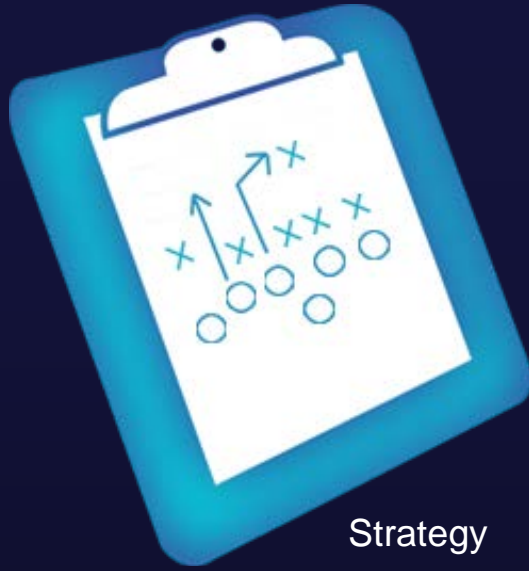
Strengthened plans and grants

Community VL suppression

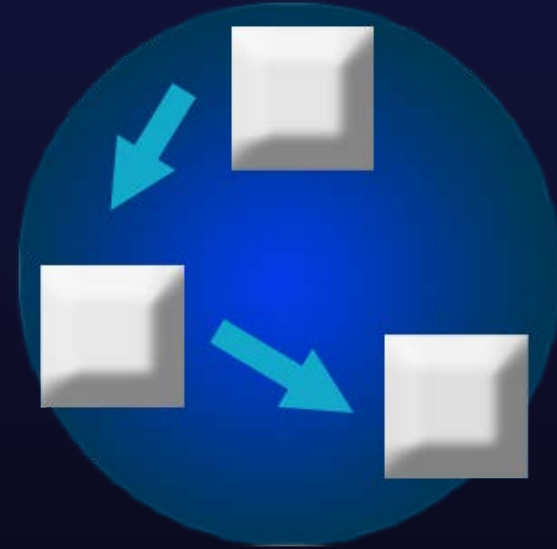
What Broad Components Should  
We Consider When Implementing  
Health Information Technology  
such as HIE?



People



Strategy

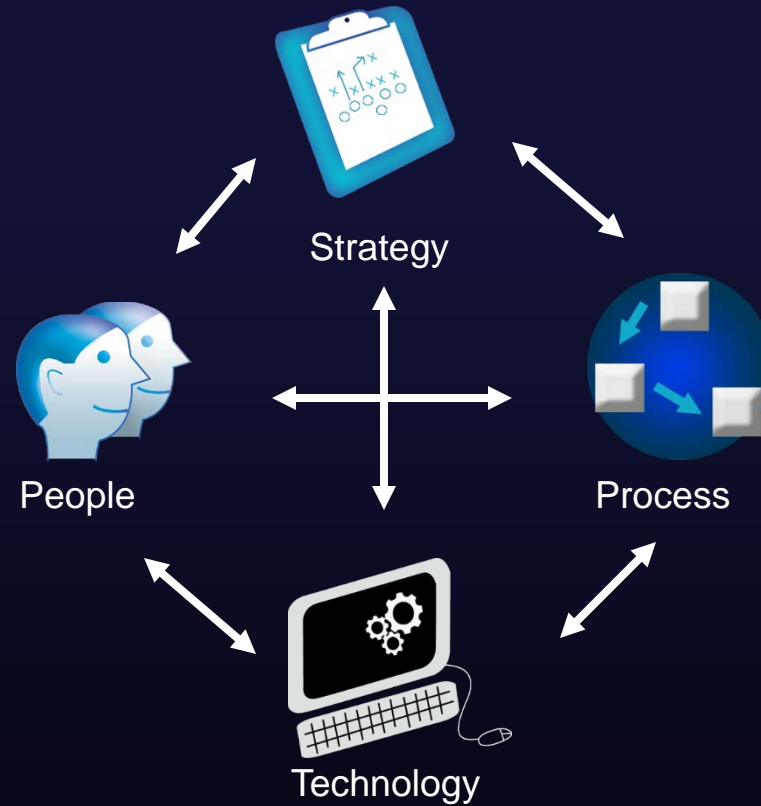


Process



Technology

# What affects what?



Everything affects everything!

What Are the Main Stages of  
the HIT Lifecycle?



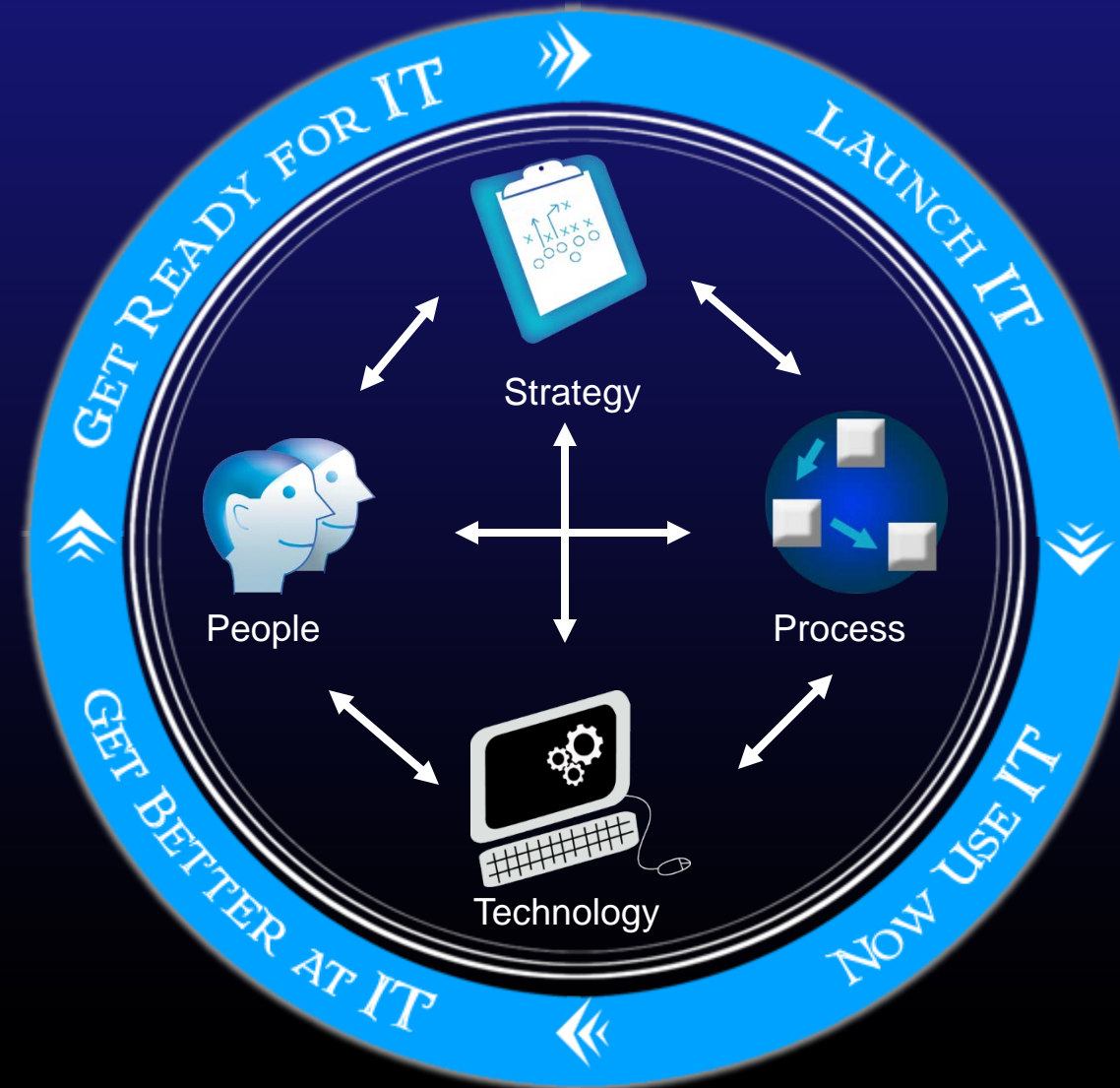








# A Simple, Integrated Framework for HIT Implementation



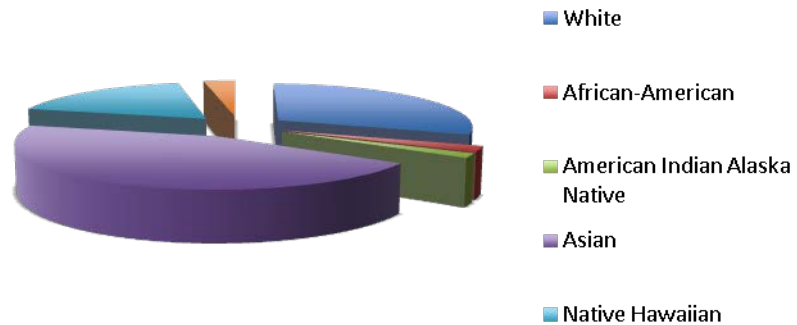
# Lessons

1. Partnership paradigm
2. Think win-win-win
3. Role of IT Departments and Vendors vs Program
4. Seek out or build standards
5. Stakeholder engagement, TA, & Support
6. Security is paramount
7. Whatever it takes attitude. Choose partners wisely

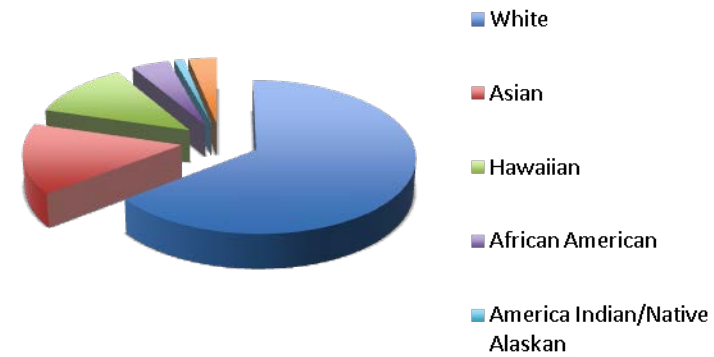
Population 1.42 million



## General Population



## HIV/AIDS Cases by Race



# Hawaii HIE and Use of Data

1. e2Hawaii Ryan White HIE
2. Part C EMR (Waikiki Health)  $\leftrightarrow$  Part B HIE
3. ADAP
4. Secure Messaging
5. Visual Reporting and Proactive Alerts & Reminders

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# Consent Status on Search Screen

Search

Multi Entry

Client Search

Search For

Search

Intake

Filter By

(ANY)

Status

(ANY STATUS)

Last Name	First Name	Agency ID	E2ID	CM Agency	DOB	ZIP	Consent ?
Adams	Nicole		NA103437	Life Foundation	09/30/1945	96759	Valid
Adams	Nicole		NA103824	Life Foundation	12/10/2000	96757	Valid
Adams	Nicole		NA104056	Life Foundation	09/04/1983	96757	Valid
Adams	Nicole	215-44-22	NA020030	Life Foundation	02/08/1922	96757	Expired
Adams	Nicole	307-43-61	NA102972	Life Foundation	02/08/1922	96757	Expired
Adams	Nicole	603-18-81	NA102275	Life Foundation	08/21/2006	96757	Expired
Adams	Hunter	645-01-86	HA100029	Life Foundation	04/20/1956	96757	Expired
Adams	Nicole	820-52-44	NA102043	Life Foundation	02/08/1922	96759	Valid
Alexander	Victor	637-50-64	VA102399	Life Foundation	02/04/1988	96858	Expired
Alexander	Victor	058-51-24	VA020851	Life Foundation	05/08/1972	96858	Expired

First

1

2

3

...

Last

(Displaying 1 - 10 of 748 clients found)

# Consent Status on Search Screen

Search

Multi Entry

Search For

Filter By (AN)

Last Name	First Name							
Adams	Nicole							Valid
Adams	Nicole							Valid
Adams	Nicole							Valid
Adams	Nicole							Expired
Adams	Nicole	307-43-61	NA102972	Life Foundation	02/08/1922	96757		Expired
Adams	Nicole	603-18-81	NA102275	Life Foundation	08/21/2006	96757		Expired
Adams	Hunter	645-01-86	HA100029	Life Foundation	04/20/1956	96757		Expired
Adams	Nicole	820-52-44	NA102043	Life Foundation	02/08/1922	96759		Valid
Alexander	Victor	637-50-64	VA102399	Life Foundation	02/04/1988	96858		Expired
Alexander	Victor	058-51-24	VA020851	Life Foundation	05/08/1972	96858		Expired

First

1

2

3

...

Last

(Displaying 1 - 10 of 748 clients found)

What do these mean?

Valid

Means that an agency in the network has shared this record with you and that the consent is still valid. **You have access to this record**

Ending Soon

Means that an agency in the network has shared this record with you and that the consent is valid, but **will be expiring within 90 days**. If the client will be continuing to be serviced by your agency, it is recommended that the CM agency be contacted to extend or renew the consent

Expired

Means that an agency in the network has shared this record with you but the consent has expired. **You will not be able to access this client record**. If you need to access this record, it is recommended that the CM agency be contacted to extend/renew the consent

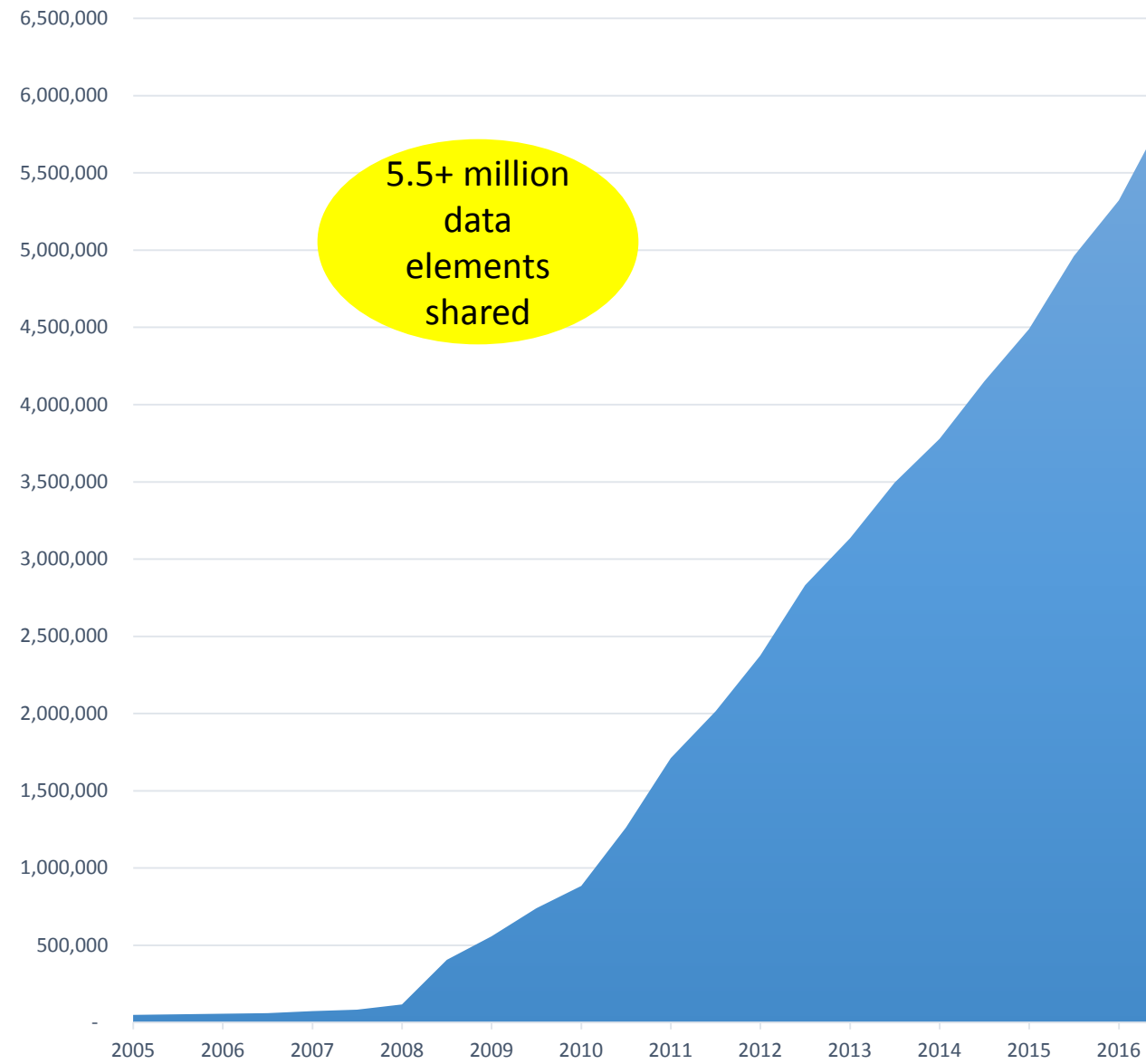
N/A

Means that **no consent is required** to view this record; your agency has full custody of this client record

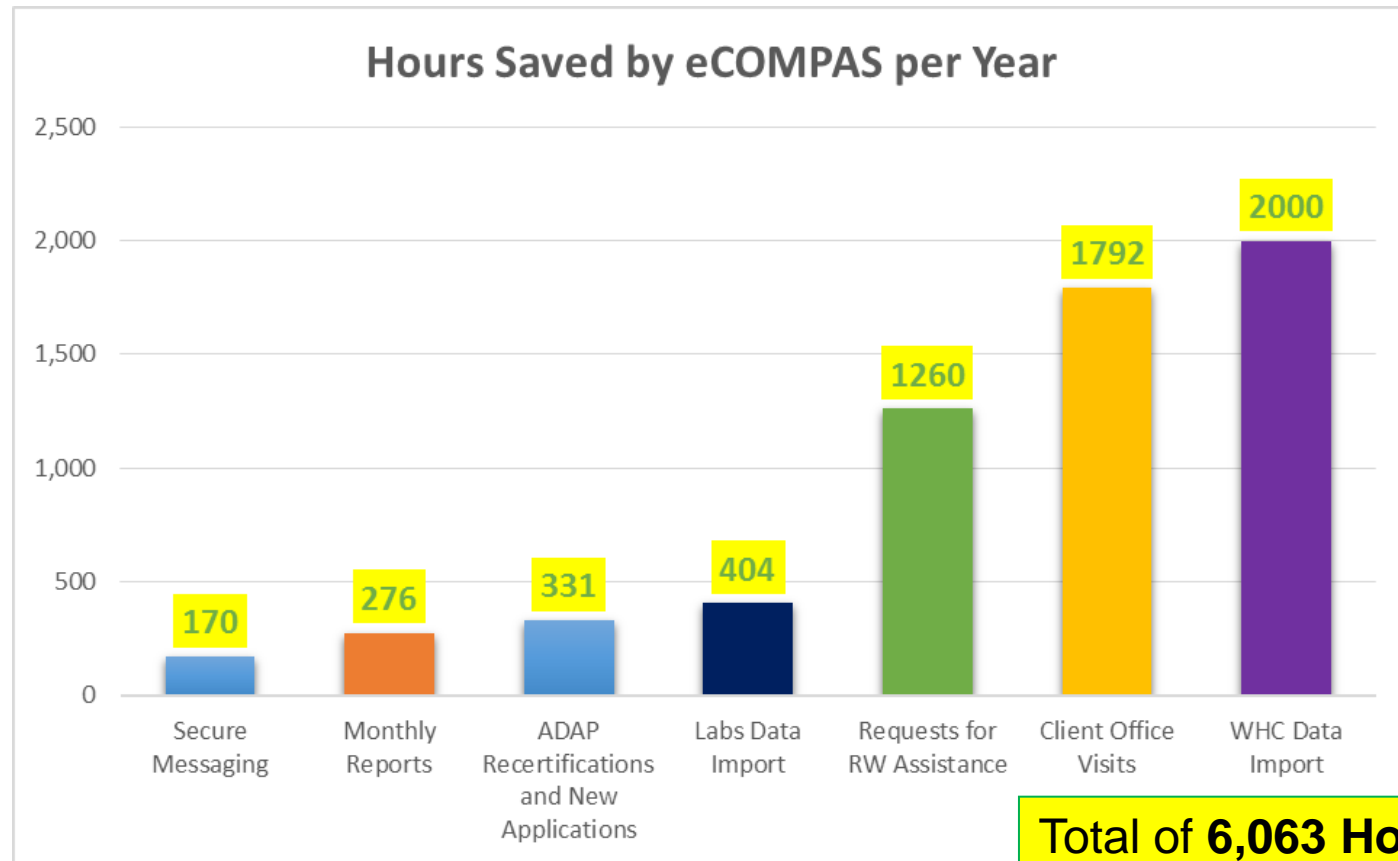
**402,343 Progress Notes**

**306 million data points**

## Data Elements Shared



# e2Hawaii | Time Savings



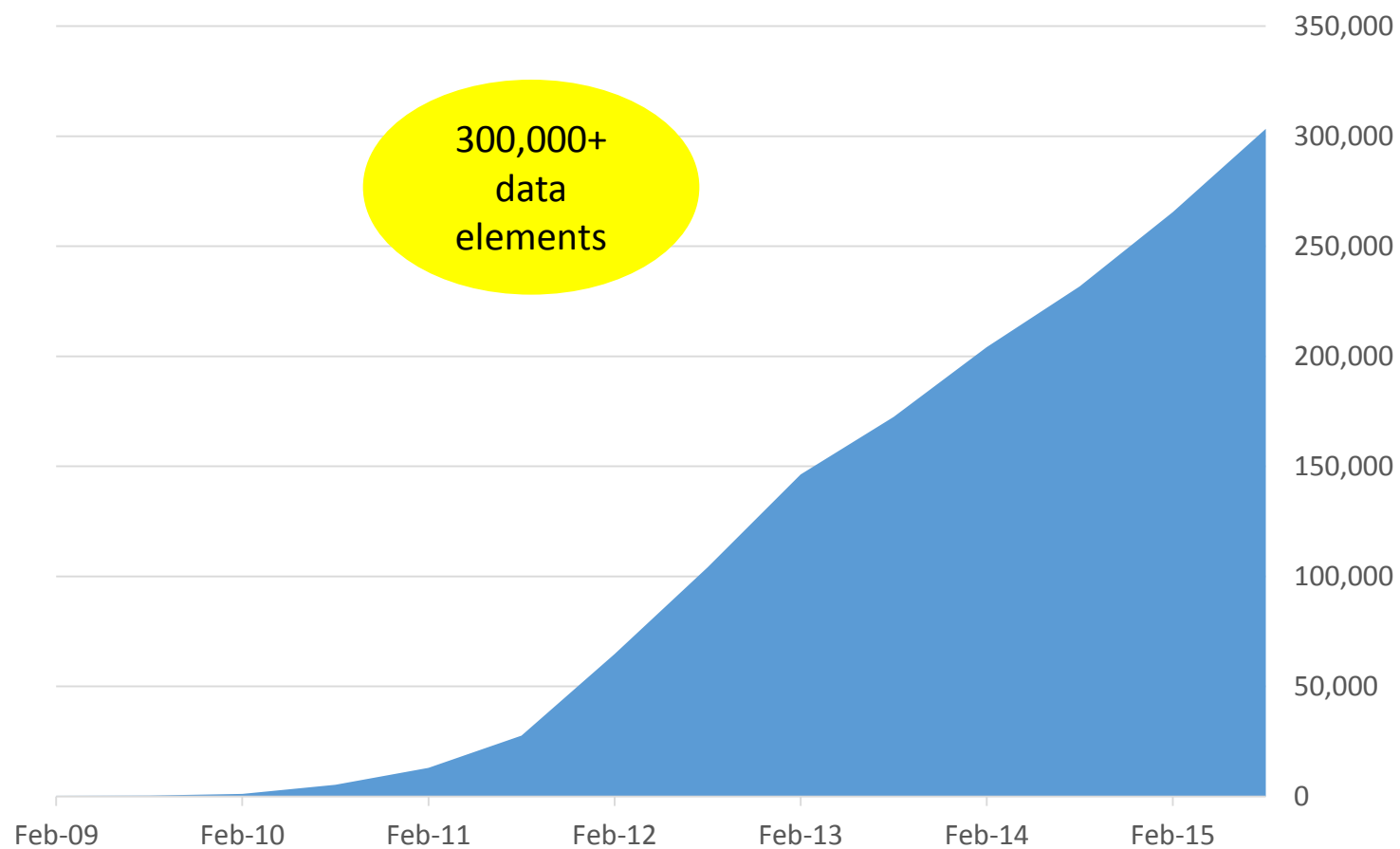
**Total of 6,063 Hours  
Saved by e2Hawaii  
Each Year**

# Hawaii HIE and Use of Data

1. e2Hawaii Ryan White HIE
2. Part C EMR (Waikiki Health)  $\leftrightarrow$  Part B HIE
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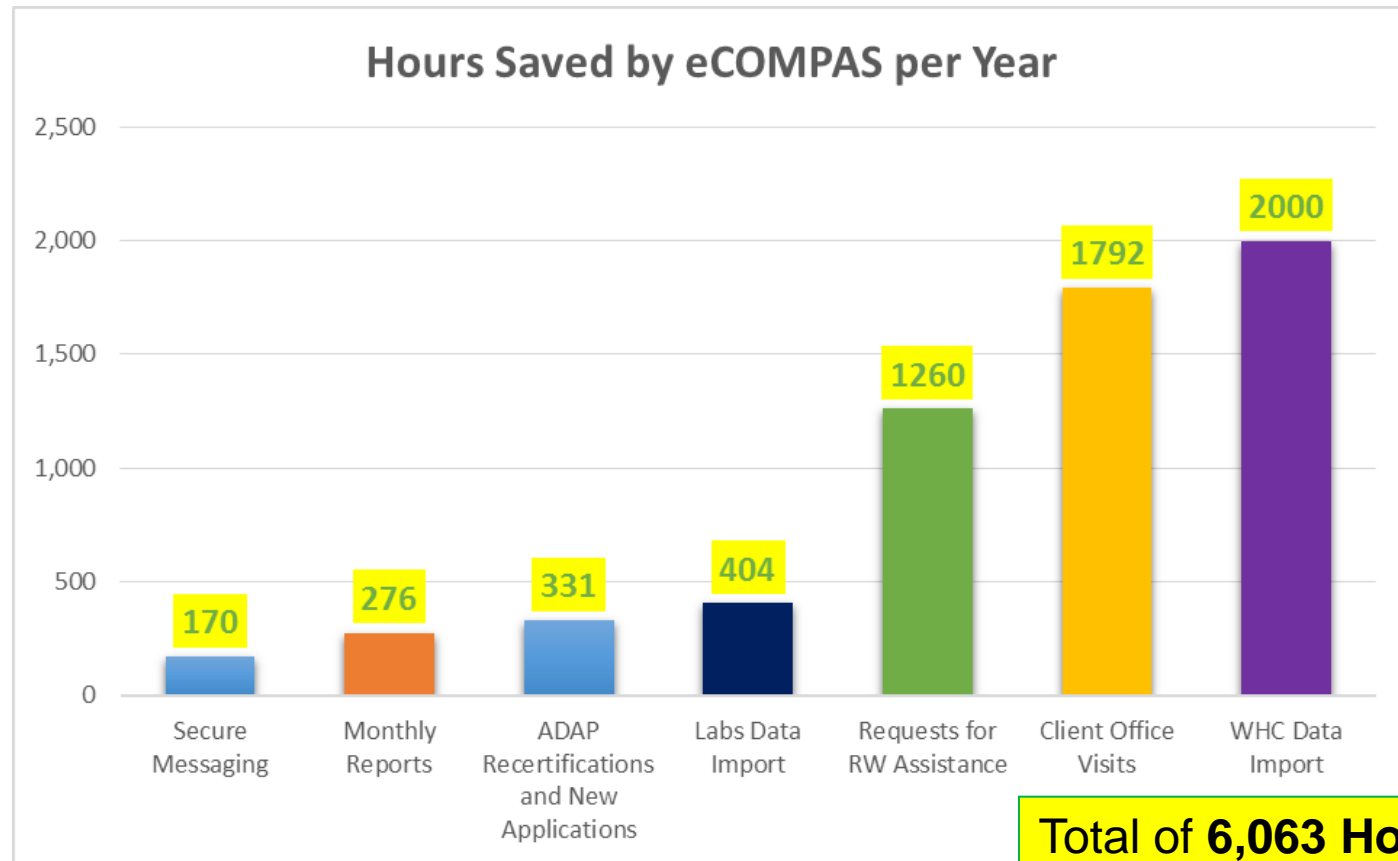
# Waikiki Health Data Import

WHC - Data Elements Imported





# e2Hawaii | Time Savings



**Total of 6,063 Hours  
Saved by e2Hawaii  
Each Year**

# Hawaii HIE and Use of Data

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# Recertification Due Report

Report Filters

Recertification due by 09/17/2012 Today and Case Managed by -- ANY -- Run


Recertification Due Report

Export to PDF

Last Name	First Name	Agency ID	E2ID	Agency	Case Manager	Recertification Due	Last Rx Filled (As of 08/31/2012)	Last Co-pay (As of 08/31/2012)	Premium Paid/in Process through
Adams	Hunter	525-79-61	HA020914	Life Foundation	Laleh Kazemahvazi	11/14/2012	09/07/2012	06/28/2012	09/30/2012
Adams	Nicole	014-156	NA021097	Life Foundation	Malulani Orton	06/15/2012	08/15/2012	12/11/2011	
Adams	Nicole	766-72-79	NA103195	Life Foundation	Raymond Alejo	04/12/2012	08/15/2012		
Adams	Hunter	322-373	HA103221	ABCD	N/A	12/21/2012	08/15/2012		07/31/2012

# Physician Certification Due Report

Report Filters	
Physician Recertification due by	<input type="text" value="01/15/2013"/> <input type="button" value="Today"/> <input type="button" value="Run"/>

Physician Certification Due Report							
							<a href="#">Export to PDF</a> 
Last Name	First Name	Agency ID	E2ID	Medical Provider	Certification Due	Last Rx Filled (As of N/A)	Last Co-pay (As of N/A)
Howard	Zoe	117-09-33	ZH100948		11/03/2012		
Mitchell	Maria	718-16-43	MM103031		11/03/2012		
Lewis	Jonathan	275-96-05	JL102291		11/14/2012		
Howard	Jared	734-94-06	JH020888		11/16/2012		
Roberts	Stephanie	955-32-88	SR100023		11/16/2012		

# Client Recertification Process

- Streamlined H-Program Application

The screenshot shows a web-based application interface for client recertification. At the top, there are tabs for 'General', 'Housing', 'SA / MH', 'Insurance', 'Financial', 'Medical', 'H-Program', and 'Services'. The 'H-Program' tab is selected. Below the tabs, there are links for 'Demographics', 'HIV and AIDS Info', and 'Documents on File'. A yellow banner displays 'Last Certified by CM: 07/18/09 (306 days ago)'. To the right of this banner is a dropdown menu showing 'Information is up to date' and an 'Update' button. A red circle highlights the dropdown menu. In the foreground, a 'Please Confirm' dialog box is open. It contains a warning icon and the text: 'I am a Case Manager and I certify that all fields on this screen are up to date and that there is documentation on file to support the data entry on this screen.' Below the text are 'Sure' and 'No Way' buttons. The background form shows fields for 'First Name', 'Middle Name', 'Last Name', and 'Last Name at Birth'.

General Housing SA / MH Insurance Financial Medical H-Program Services

Demographics HIV and AIDS Info Documents on File

Last Certified by CM: 07/18/09 (306 days ago) Information is up to date Update

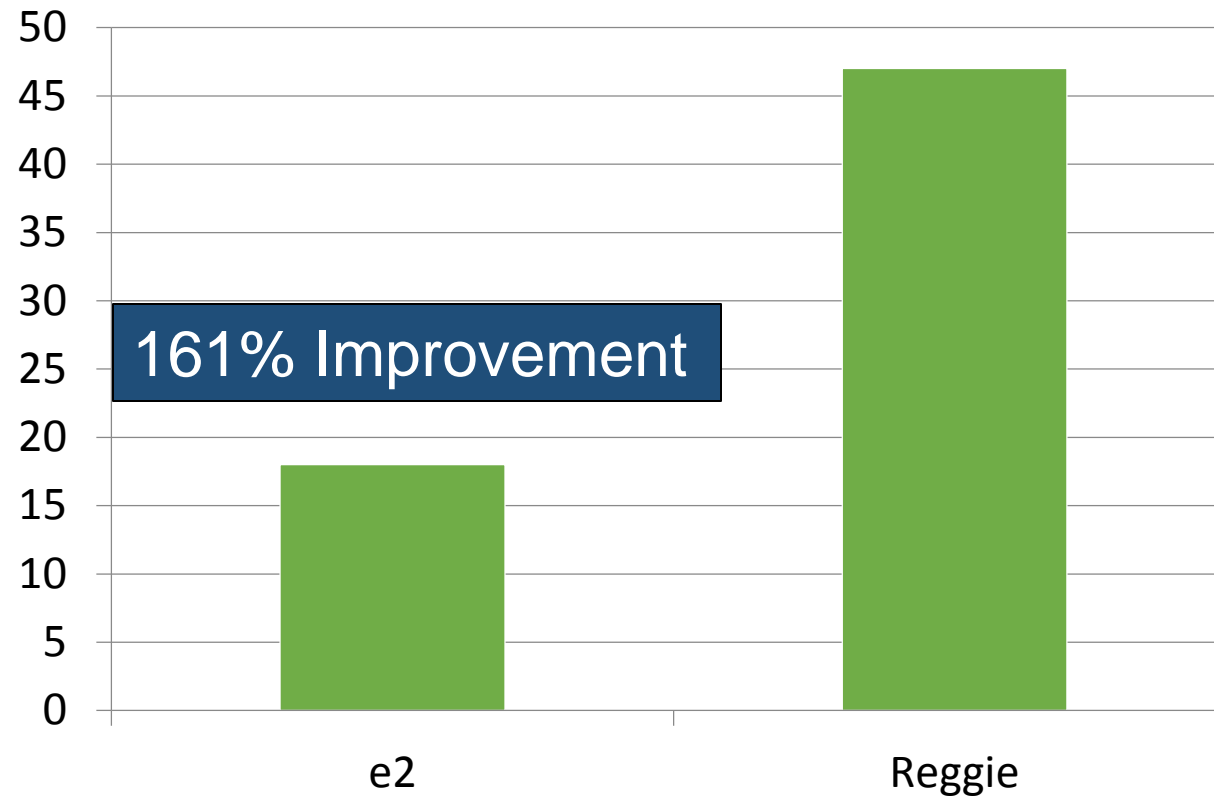
Please Confirm

First Name Middle Name Last Name Last Name at Birth

I am a Case Manager and I certify that all fields on this screen are up to date and that there is documentation on file to support the data entry on this screen.

Sure No Way

## Time to Complete each ADAP Recertification



Prior System Average: 47 mins

e2 Average: 18 mins

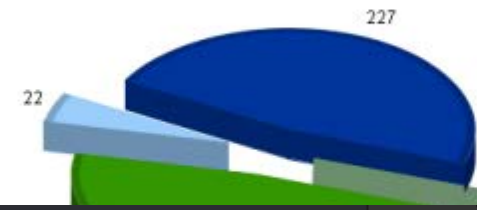
Time Savings: 29 mins

# Visual ADAP Drug Report

## Aggregate Report – Graphical View

### HIV Status

HIV Status	
Category	Count
HIV-Positive, not AIDS	227
HIV-Positive, AIDS Status Unknown	22
CDC-defined AIDS	
Unknown	
<b>Total</b>	



### Medical Insurance

Medical Insurance	
Category	
Medicare Part A/B	
Medicare Part D	
Medicaid	
Private	
Other Public	
No Insurance	
Other	
<b>Total</b>	

### HIV Status - HIV-Positive, AIDS Status Unknown

AB103431	CB103110	CH103397	DD101130	GY103289
HD103045	HW103467	ID103321	JC103675	JM103164
JN102991	JP103672	KK103053	KR103563	MW102663
OP103484	PA103527	RB103121	RG103567	RS103452
WA103300	ZW103125			

# Visual ADAP Drug Report

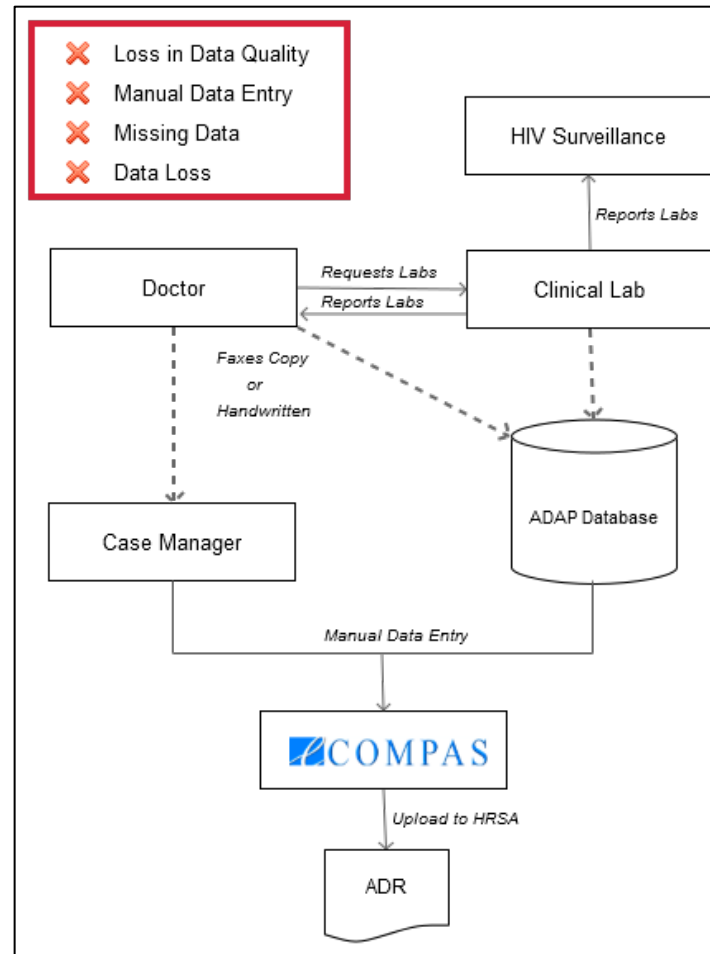
## “Time Machine” Switch Feature

- Update data for a past reporting period
- Keep past and present data separate
- Helps reporting more accurate data to HRSA

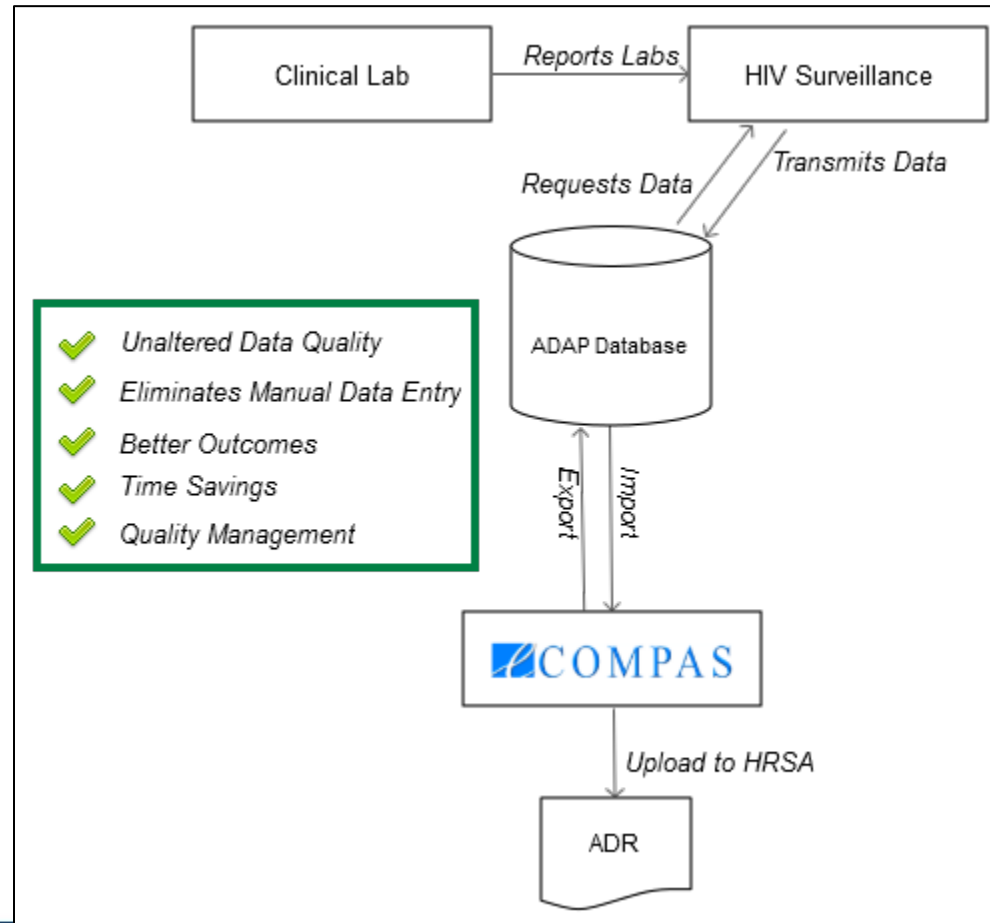
The screenshot displays the Visual ADAP Drug Report interface. At the top, there is a navigation bar with links for Main, Reports, My Account, Inbox, Help, and Logout, along with a clock showing 19:55. Below this is a section titled 'Basic Information' with a '[Progress Notes]' link. A red circle highlights the 'Options' dropdown menu, which is open, showing the 'Enable Time Machine Mode' option. The 'Basic Information' section contains fields for E2 ID (PA103177), ZIP (96779), DOB (04/02/1975), AgencyID (00-00-568), and Intake Date (03/31/2011). Below these fields are tabs for General, Housing, Insurance, Financial, Medical, H-Program, and Services. Under the 'General' tab, there are links for Demographics, HIV and AIDS Info, and Documents on File. A yellow box contains the text 'Last Certified by CM: 05/11/15 (304 days ago)' followed by a dropdown menu with '- - Please Select - -' and an 'Update' button. At the bottom, there is a section titled 'Client Information'.



# Labs Data Import – the Old Way



# Labs Data Import – the New Way



# Labs Data Import

**153,384 Data Elements Imported  
& Shared**

Aloha , Rde Systems, of DOH-H-Programs !

[Search](#) [HDAP](#) [H-COBRA](#) [Labs Data Import](#)

DOH-H-Programs Labs Data Import

\* Upload  labsdataimport-fail.csv

Aloha , Rde Systems, of DOH-H-Programs !

Search

HDAP

H-COBRA

Labs Data Import



Your file contains validation errors. Please correct the following errors and try re-upload your file:

- Your file has one or several FirstName missing from it.
- Your file has one or several LabType missing from it.
- Your file has one or several CollectionDate missing from it.
- Your file has one or several Source values missing from it.
- Your file has one or several invalid dates.
- Your file has one or several invalid Result values.

Back

eCOMPAS Data Import - Preview

E2_ID ▲	Agency_ID ◆	LastName ◆	FirstName ◆	DOB ◆	LabType ◆	CollectionDate ◆	Result ◆	Undetectable ◆	Source ◆
AB020047	144-62-24	Doe	Jane	1/1/1960	VL	1/1/2013	hhh	No	Lab
CC020129	708-37-34	Frog	Kermit	1/1/1960	VL		40	No	Lab
CL020098	090-88-32	Lambert	Allan	12/1/1970	VL	5/22/2013	333	Yes	Doctor
DT020089	770-74-86	Jones	Emma	1/1/1960	CD4	yyy	666		Lab
JC020066	470-48-92	Doe	John	1/1/1960	VL	12/1/2012	1250	No	Lab
NA020030	394-19-96	Harrington	Harry	1/1/1960	CD4	1/12/2012	1	No	Lab
SH020100	303-98-67	Frog		12/1/1970	VL	5/22/2013	20	Yes	Lab
SP020132	584-23-20	Frog	Kermit	12/1/1970		8/25/2013	150	No	

Back

Search HDAP H-COBRA Labs Data Import



Your file has been successfully validated. Click 'Confirm and Import Data' to proceed with the data import.

Back

Confirm and Import Data

eCOMPAS Data Import - Preview

E2_ID	Agency_ID	LastName	FirstName	DOB	LabType	CollectionDate	Result	Undetectable	Source
AB020047	144-62-24	Jackson	Emma	3/21/1963	CD4	7/26/2012	300	No	Lab
CL020098	090-88-32	Hill	Hailey	9/26/1957	CD4	12/13/2013	998	No	Doctor
DT020089	770-74-86	Penny	Gabriella	10/2/1938	VL	3/30/2012	15000	No	Lab
JC020066	470-48-92	Long	Aidan	5/13/2009	VL	6/23/2012	12000	No	Doctor
NA020030	394-19-96	Hill	Hailey	9/26/1957	CD4	6/12/2012	200	No	Lab
SH020100	303-98-67	Penny	Gabriella	10/2/1938	VL	12/12/2013	888	No	Doctor

Back

Confirm and Import Data

# Labs Data Import

## Old Way

- Manual Data Entry
- Faxed copies of lab work
- Handwritten lab reports

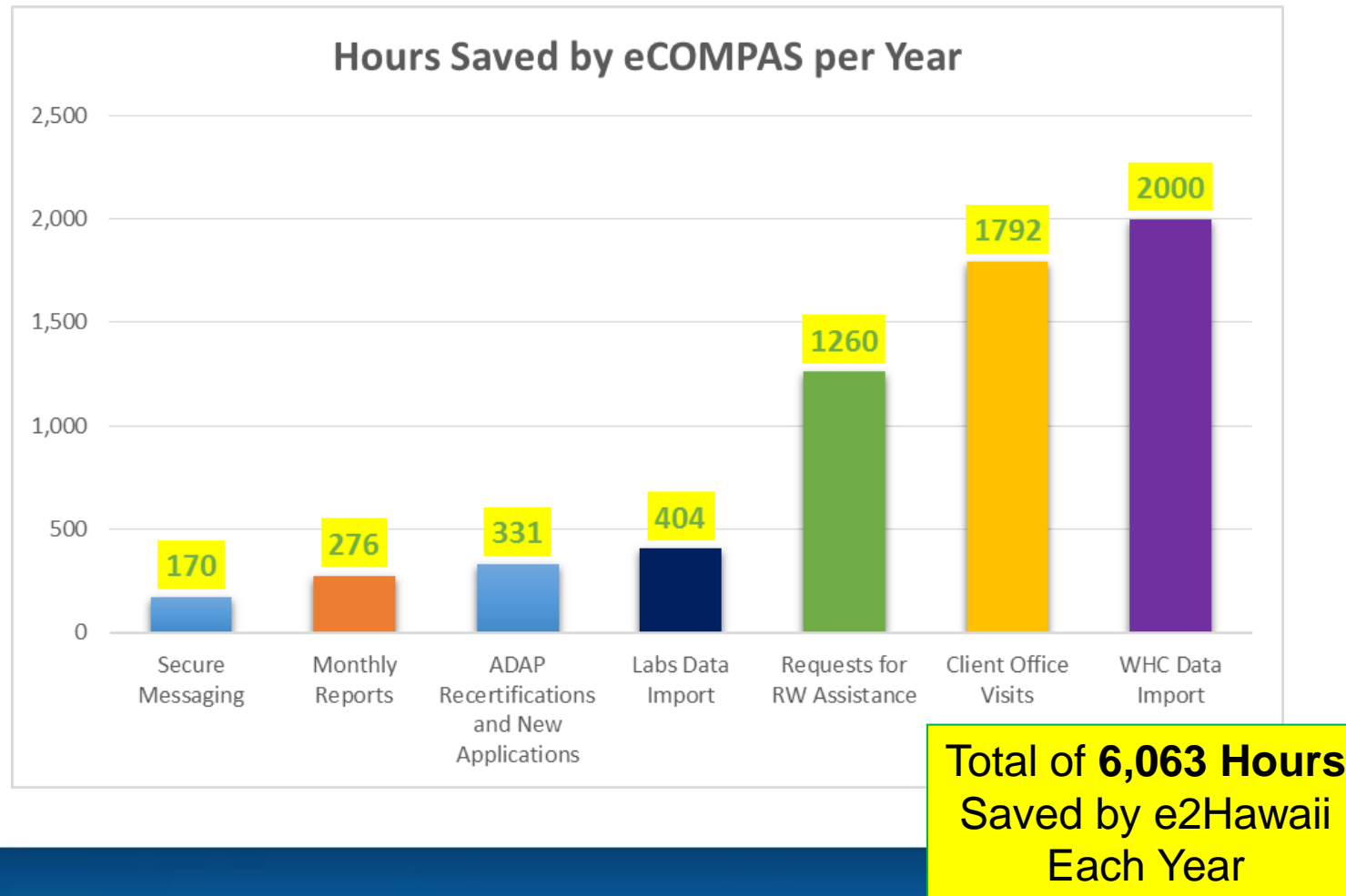
## New Way

- Data Import of Labs from Surveillance
- No Faxes or handwritten lab reports
- No Data Loss

## Impact

- High Data Quality
- Eliminates Data Entry
- Better Outcomes
- Time Savings
- Quality Management

# e2Hawaii | Time Savings





# Hawaii HIE and Use of Data

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2. Part C EMR (Waikiki Health)  $\leftrightarrow$  Part B HIE
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4. Secure Messaging
5. Visual Reporting and Proactive Alerts & Reminders

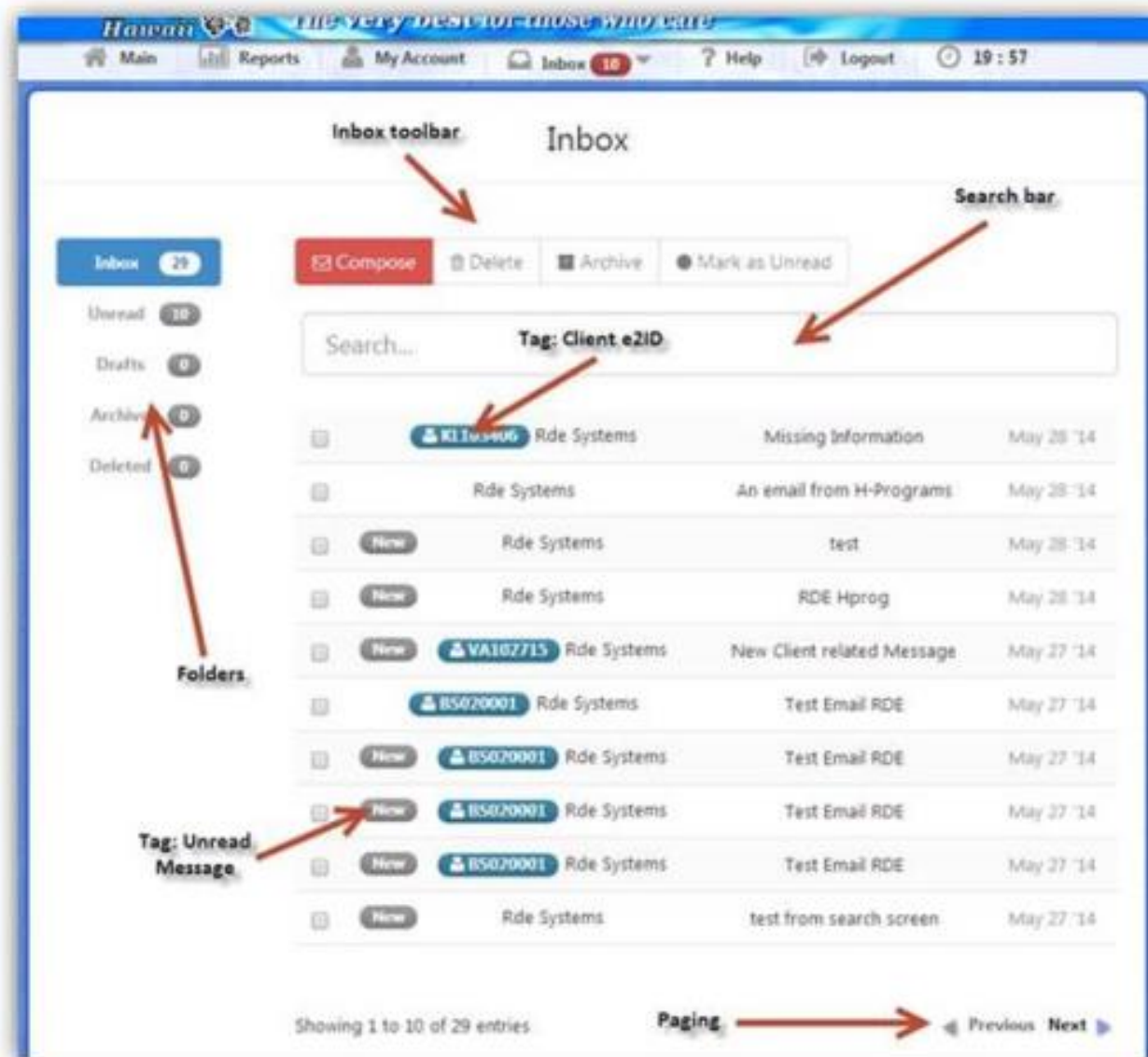
# Secure Messaging

- Feature: Smart Real-time notifications



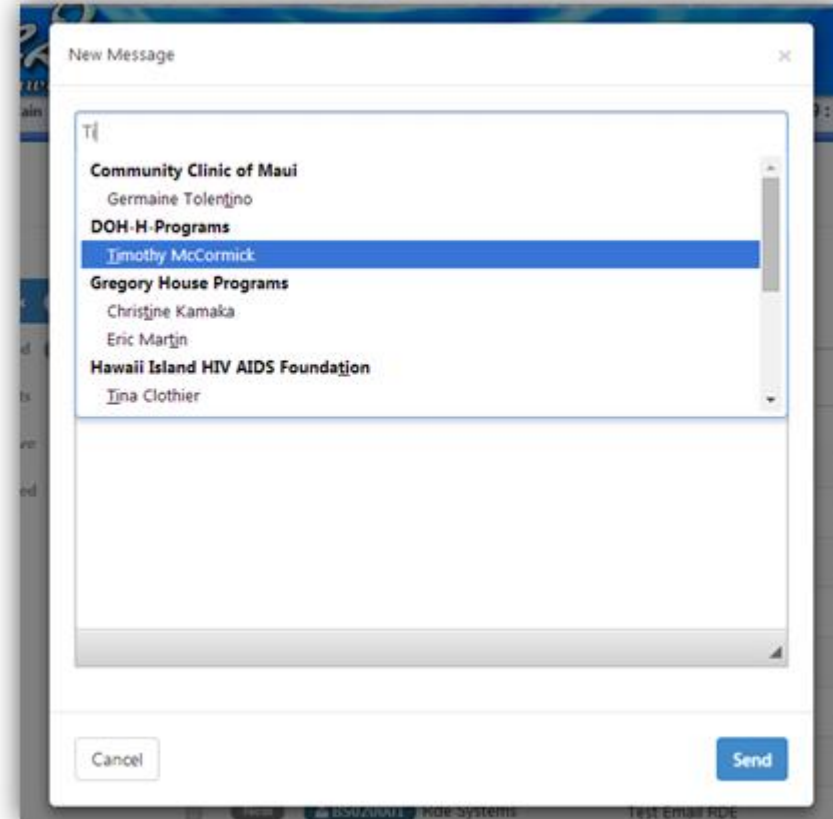
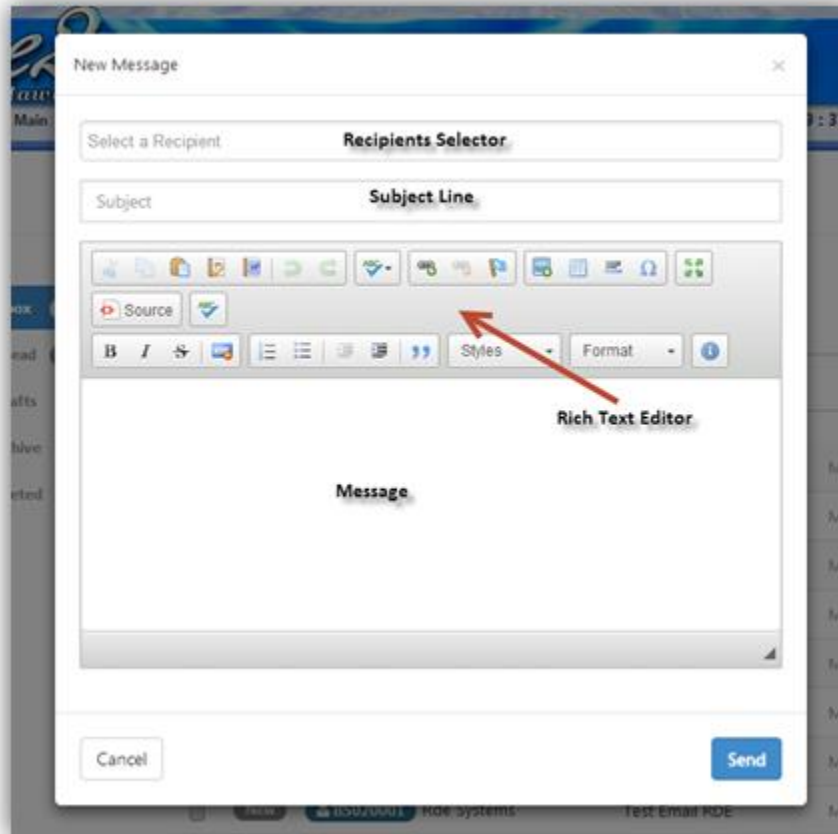
# Secure Messaging

- Feature: User Inbox



# Secure Messaging

- Feature: Compose New Secure Message with Autocomplete



# Secure Messaging

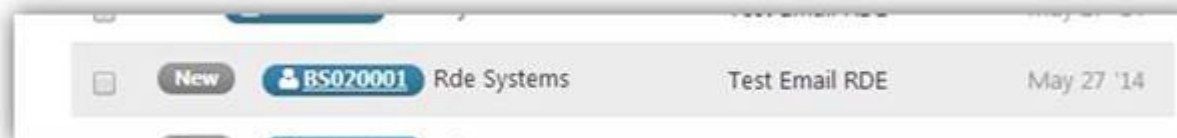
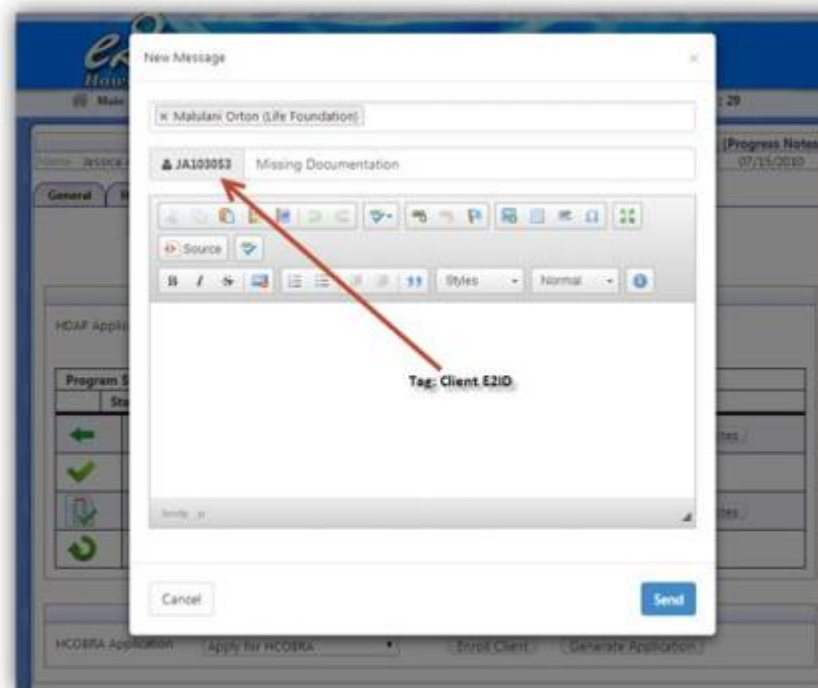
- Feature: Quick Compose

The screenshot shows the e2 Hawaii web application interface. At the top, there is a navigation bar with links for Main, Reports, My Account, Inbox (with a red notification badge), Help, and Logout. The user is logged in as Jessica Anderson (E2ID: JA103053, ZIP: 96745). The 'Inbox' link is highlighted, and a red circle is drawn around the 'Quick Compose' button in the dropdown menu. The main content area displays the 'Basic Info' tab for Jessica Anderson, with a 'Progress Notes' button. Below this, there are tabs for General, Housing, SA / MH, Insurance, Financial, Medical, and H-Program. The 'H-Program' tab is selected, showing the 'Application' section with 'H-COBRA' selected. Below this, there is a section for 'HDAP' (Hawaii Department of Public Health) with an 'Apply for HDAP' button and 'Enroll Client' and 'Generate Application' buttons. The 'Program Summary' table shows the following data:

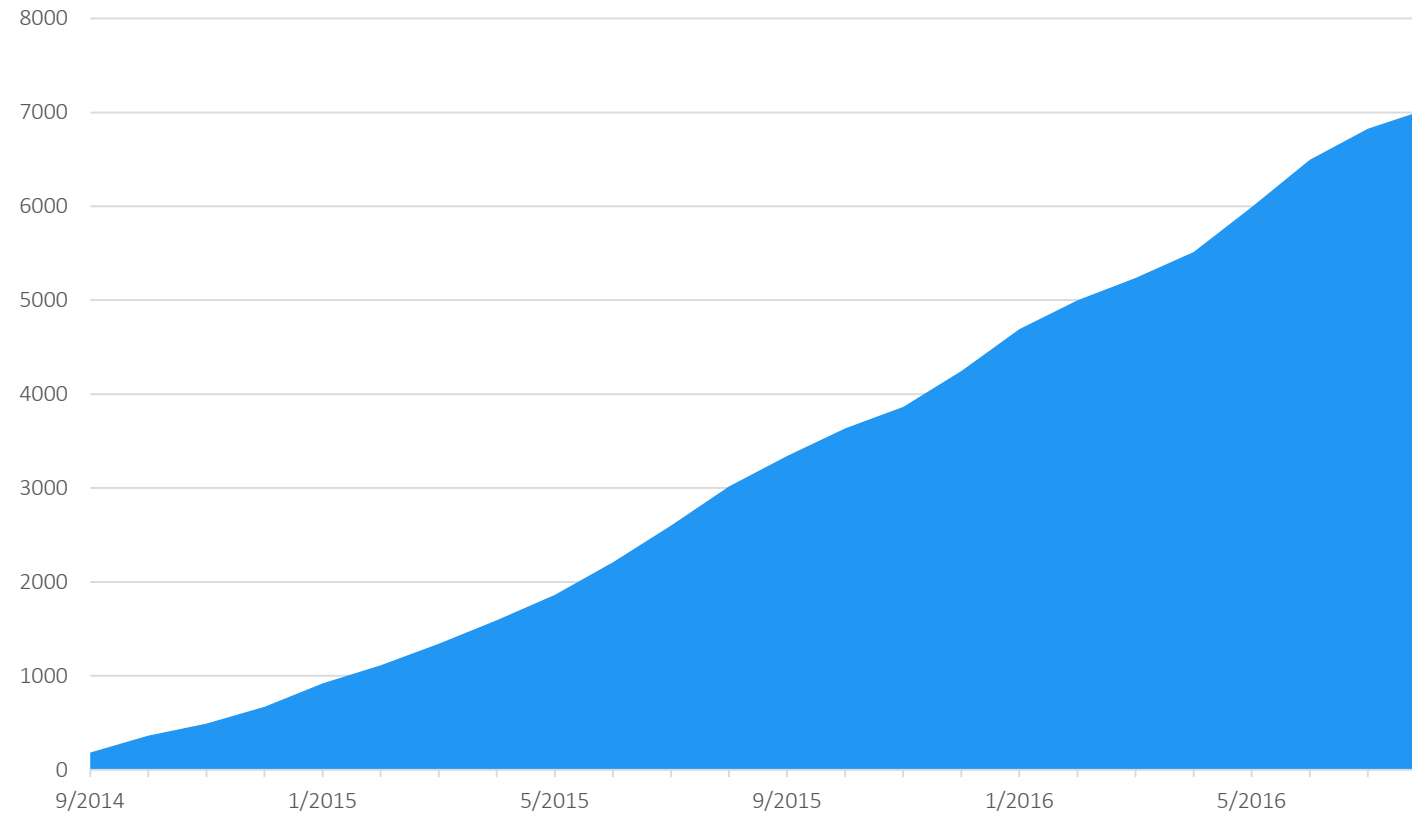
Status	Effective Date	Notes
Discharged	01/03/2013	<a href="#">View Notes</a>
Application Approved (First Time)	12/15/2010	
Application Complete	12/15/2010	<a href="#">View Notes</a>
Application in Process	12/15/2010	

# Secure Messaging

- Feature: Smart Client Tagging



e2 Secure Messaging Adoption (Nb. Messages Sent)



# Secure Messaging

**5,000+ Messages Sent / Year**



# Secure Messaging

## Old Way

- Phone Calls to Follow-Up
- Faxes
- External, Insecure Email
- Risk of PHI leak
- Informal requests & tracking

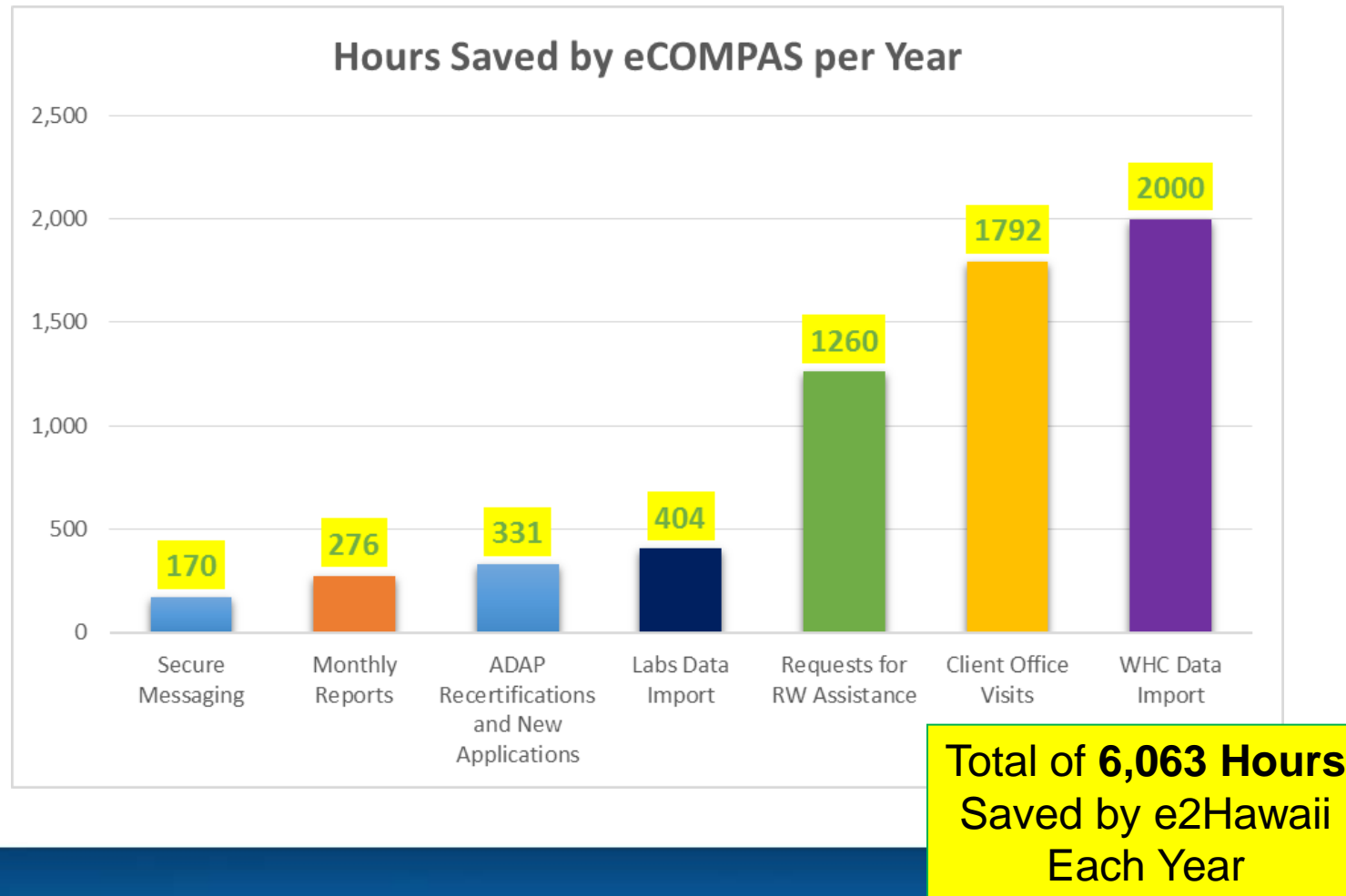
## New Way

- Send a Secure Message
- No more phone calls & faxes
- Keep Track of requests and follow-ups
- Inter-agency communication

## Impact

- More Streamlined Care Coordination
- More Secure Communications
- Time savings
- Faster response time and care

# e2Hawaii | Time Savings



# Hawaii HIE and Use of Data

1. e2Hawaii Ryan White HIE
2. Part C EMR (Waikiki Health)  $\leftrightarrow$  Part B HIE
3. ADAP
4. Secure Messaging
5. Visual Reporting and Proactive Alerts & Reminders

# 8 Indicators Report

**8 Indicators Report**

From Date: 01/01/2013 To Date: 03/31/2013 or Select: Q1 2013 (Jan 1 - Mar 31)

Provider: Life Foundation

#	Description	Yes	No	Percentage
1	Clients who have a medical visit to treat their HIV at least every 6 months	266	480	35.66%
2	Clients who have a CD4+ test and a viral load test done at least every 6 months	379	636	37.34%
3	Clients who have a CD4+ count below 200 cells/ml who are prescribed HAART	62	851	6.79%
5	Clients who are prescribed HAART regimen as medically indicated	779	236	76.75%
6	Clients screened for hepatitis C virus infection.	60	955	5.91%
7	Clients who completed the vaccination series for hepatitis A and B	60	956	5.91%
8	Clients who are applying for HDAP who are approved/denied for services	24	2	92.31%

Q1 2013 (Jan 1 - Mar 31)  
This Fiscal Year to Date  
This Fiscal Year  
This Calendar Year to Date  
This Calendar Year  
Last Calendar Year  
This Month (Past 30 days)  
Past 6 Months  
Q1 2013 (Jan 1 - Mar 31)  
Q2 2013 (Apr 1 - Jun 30)  
**Q3 2013 (Jul 1 - Sep 30)**  
Q4 2013 (Oct 1 - Dec 31)  
Q1 2014 (Jan 1 - Mar 31)  
Q2 2014 (Apr 1 - Jun 30)  
Q3 2014 (Jul 1 - Sep 30)  
Q4 2014 (Oct 1 - Dec 31)  
January 2014  
February 2014  
March 2014  
April 2014

# 8 Indicators Report

[Close]

Export to PDF Export to Excel

**Question: Clients who have a medical visit to treat their HIV at least every six months**

**Answer: Yes**

E2ID	Firstname	LastName
<a href="#">AB020914</a>	Angela	Bennett
<a href="#">AB021286</a>	Angel	Bell
<a href="#">AB102716</a>	Alexis	Brown
<a href="#">AB103454</a>	Angel	Bell
<a href="#">AC102063</a>	Alex	Cooper
<a href="#">AE103214</a>	Andrea	Evans
<a href="#">AG102044</a>	Alexandra	Gonzalez
<a href="#">AG103438</a>	Alexandra	Gonzalez
<a href="#">AJ102715</a>	Ashley	Jones
<a href="#">AL020146</a>	Aidan	Long
<a href="#">AM020714</a>	Anna	Martinez
<a href="#">AM021324</a>	Andrew	Miller

From Date

Provider: L

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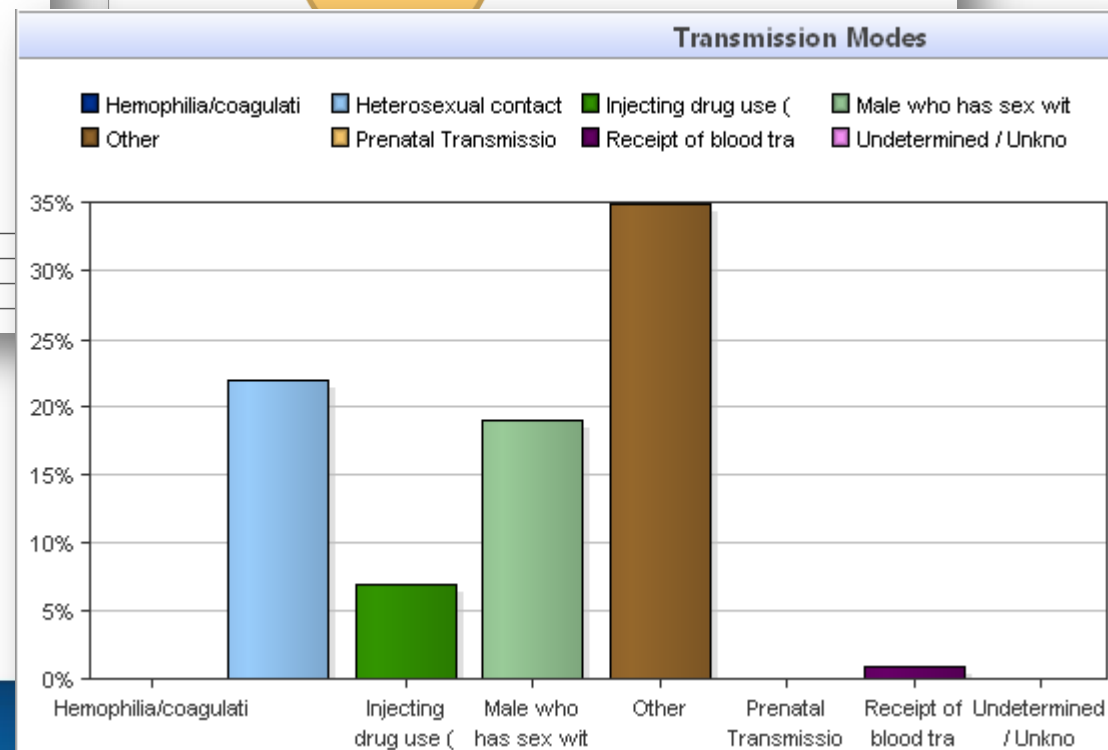
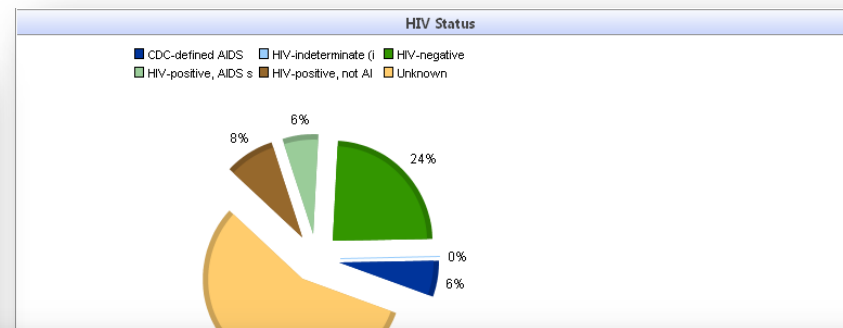
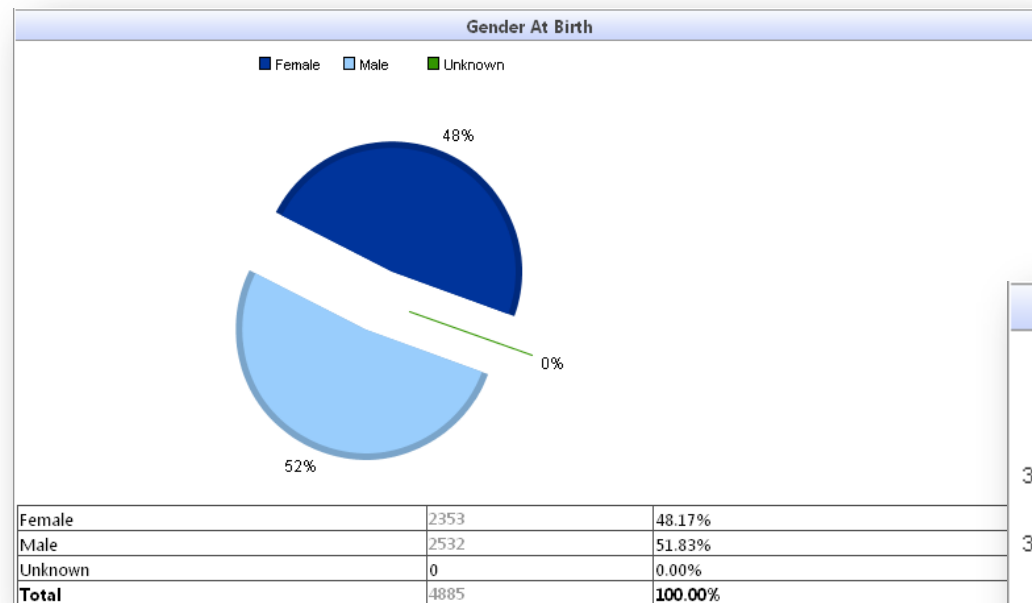
%

1%

# Expenditures Report

Detailed Monthly Expenditures Report	
Life Foundation All Funding Sources Report for Period (01/01/2013 to 12/31/2013) Detailed Subservice Breakdown	
Click on a client's name to toggle details <a href="#">Collapse/Expand All</a>	
Client Name	Invoice Amount
Aaliyah Bryant ( 889-46-08 )	\$ 0.00
Aaliyah Bryant ( 349-96-03 )	\$ 0.00
Aaron Perez ( 595-15-42 )	\$908.94
Abigail Wilson ( 786-68-87 )	\$ 0.00
Abigail Wilson ( 524-04-06 )	\$ 0.00

# Visual Analytics: From data to action



# Proactive Alerts & Reminders

Aloha , Rde Systems, of Life Foundation !

Search Multi Entry Alerts

Type	Upcoming Alerts	Past-Due Alerts	Recommendations
CD4 test not performed within past three months	24	640	Consider scheduling or following-up to conduct CD4 test
VL test not performed within past three months			-up to conduct a VL test
No medical appointment in the past 6 months			-up to ensure
CD4 results less than 200 but not changed to AIDS			IV Status is correct. It
Active clients who have not received services in the past 6 months			reconnect them to
No TB/TST conducted within 12 months of the last TB/TST			-up to conduct
No Syphilis test conducted within 12 months of the last test			-up to conduct a
No recertification has been done within the past 6 months	95	267	Consider scheduling or following-up with the client to verify his/her information

Past Due Alert - No TB/TST conducted within 12 months of the last TB/TST

[Anchor for Printing]

JR020769 MR020963 KS021349 EC021654 KS100240 JA102174  
HS102239 MR102299 DM102459 LH102520 BB102658 MC102843  
NL103113 AT103150

Upcoming Alert - VL test not performed within past three months [Close]

AC020501 JR020771 AS020831 AS021710 SH021730 LJ021736 DC100736 LH102185 KS102293 HW102524 VC102914 ZH102918  
JR102931 AS102997 EJ103058 MM103139 AP103438 KS103759 PM103762 BM103774 EB103782 CC103788 SP103807 BG103810  
JR103812 PJ103814

☒ Subscribe to e-mail alerts (Weekly)



# Proactive Alerts & Reminders

LamineHawaii Proactive Alerts & Reminders - Message (HTML)

From: hawaiiInternal@e-compas.com  
To: Lamine Thaw  
Cc:  
Subject: LamineHawaii Proactive Alerts & Reminders

Sent: Mon 6/9/2014 3:12 PM

Dear Rde Systems,

Below is an updated table of your subscribed alerts. Usage of the Alert System has been proved to have a positive impact on the data quality and quality management activities. Please review this data for accuracy and take action where you can.

"Upcoming Alerts" help you plan for actions to help meet standards, and "Past-Due Alerts" help you address items that have exceeded the time threshold.


Type	Upcoming Alerts	Past-Due Alerts	Recommendations
CD4 test not performed within past three months	40	207	Consider scheduling or following-up to conduct CD4 test
VL test not performed within past three months	39	211	Consider scheduling or following-up to conduct a VL test
No medical appointment in the past three months	N/A	169	Consider scheduling or following-up to ensure medical appointment
CD4 results less than 200 but status has not changed to AIDS	N/A	6	Review records and ensure the HIV Status is correct. It may need to be changed to AIDS.
Active clients who have not received any services in the past 6 months	N/A	67	Review client records and try to reconnect them to services or mark as inactive.
No TB/TST conducted within 12 months of the last TB/TST	6	125	Consider scheduling or following-up to conduct TB/TST
No Syphilis test conducted within 12 months of the last test	15	59	Consider scheduling or following-up to conduct a Syphilis test
No recertification has been done within the past 6 months	30	194	Consider scheduling or following-up with the client to verify his/her information

**Note:** The criteria used for these alerts were developed by DOH and the User Advisory Group. You can view the criteria for each alert by clicking on the [?] button next to each alert upon logging in to e2Hawaii and going to the Alerts. If you feel that clients should be showing or should not be showing up in these alerts, please send us ([hawaiiInternal@e-compas.com](mailto:hawaiiInternal@e-compas.com)) the e2ID's of the clients in question with a description as to why you think they should or should not be showing up. We will be happy to help investigate to help continuously refine the alert criteria in consultation with the UAG and e2Hawaii Team.

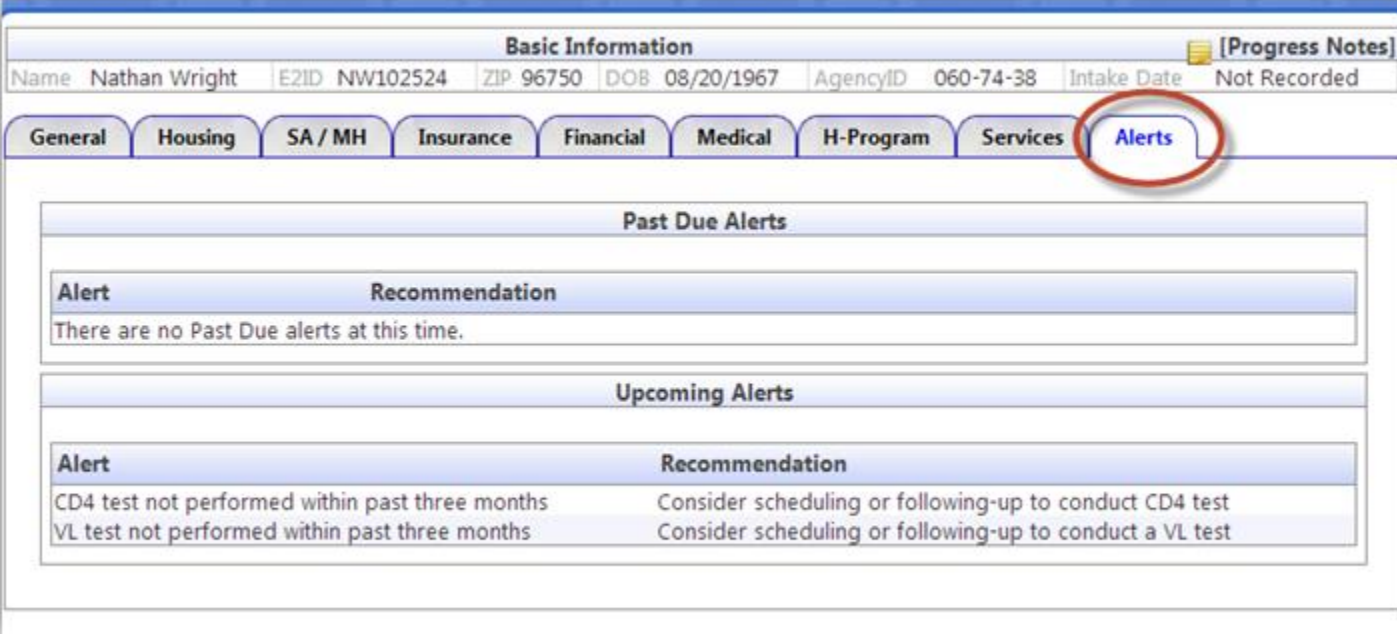
If you wish to view a clickable version of this report, please login to your account at <https://e2Hawaii.net> and select the Alerts tab.

If you have suggestions for additional alerts, please let us know at [hawaiiInternal@e-compas.com](mailto:hawaiiInternal@e-compas.com). Your ideas and feedback are always valuable

Retention Policy: Inbox 3 Years (3 years) Expires: 6/8/2017

 hawaiiInternal@e-compas.com

# Proactive Alerts & Reminders



The screenshot shows a patient record interface for Nathan Wright. The 'Alerts' tab is selected and highlighted with a red circle. The interface displays two sections: 'Past Due Alerts' and 'Upcoming Alerts'. The 'Past Due Alerts' section shows no alerts. The 'Upcoming Alerts' section lists two alerts: 'CD4 test not performed within past three months' and 'VL test not performed within past three months', both with a recommendation to 'Consider scheduling or following-up to conduct' the respective test.

Basic Information	
Name	Nathan Wright
E2ID	NW102524
ZIP	96750
DOB	08/20/1967
AgencyID	060-74-38
Intake Date	Not Recorded

[Progress Notes]

General Housing SA / MH Insurance Financial Medical H-Program Services **Alerts**

### Past Due Alerts

Alert	Recommendation
There are no Past Due alerts at this time.	

### Upcoming Alerts

Alert	Recommendation
CD4 test not performed within past three months	Consider scheduling or following-up to conduct CD4 test
VL test not performed within past three months	Consider scheduling or following-up to conduct a VL test

# Wrap Up: Hawaii HIE and Use of Data

1. **Share it!** e2Hawaii Ryan White Cross-Part HIE has a profound impact on care coordination, time savings, and data quality.
2. The e2Hawaii Waikiki Health story demonstrates key leadership and partnership lessons in being resourceful and dedicated.
3. Secure Messaging improves productivity, responsiveness, and reduces staff interruptions
4. **Use it!** Visual Reporting and Proactive Alerts & Reminders increases data use and reduces the time from data to action.
5. ADAP, supported by SPNS, produced innovative recertification, eligibility and data exchange. Perfect learning laboratory.