

# **Health Information Technology DC Primary Care Association**

March 2009

# Overview: Electronic Health Records

# EHRs Project: Background



- DCPCA received \$5 million grant from DC DOH in 2006 to implement electronic health records (EHRs) at community health centers (CHCs)
  
- Six CHCs signed on to be an early adopter:
  - Bread for the City (BFTC)
  - Family and Medical Counseling Service (FMCS)
  - La Clínica del Pueblo (LCDP)
  - Mary’s Center for Maternal and Child Care (MC)
  - So Others Might Eat (SOME)
  - Whitman-Walker Clinic (WWC)

# EHRs Project: System Components



- **Practice Management (PM)** –  
Registration, scheduling, e-faxing, reporting, and billing
- **Electronic Medical Records (EMRs)** –  
Diagnosis, procedures, lab ordering and results, e-prescribing, allergies, medical/health alerts, progress notes, etc.

# EHRs Project: Objectives

- Improve patient care and health outcomes
- Improve operational and staff efficiencies
- Maximize third-party payment revenue
- Have the IT infrastructure to link clinics to the DC RHIO

# EHRs Project: Statistics



## Current Facts:

- Implementation completed October 2008
- Total number of eCW users at all sites: 780
- Total number of providers at all sites: 340

## Patients with an EHR:

- Mary's Center 12,429
- Whitman-Walker Clinic 9,857
- Bread for the City 4,511
- La Clínica del Pueblo 2,397
- SOME 2,082
- Family and Medical 1,502

# EHRs Project: Key Outcomes

- Six community health centers have now established the IT infrastructure to enable participation in the DC RHIO and other potential initiatives in the future
- Operations at these health centers are completely supported by automation; moving towards “paperless” environments
- These six early adopter health centers are initial participants in the RHIO phase 1 implementation project

# EHRs Project: ADT Screen Shot

**Patient Information (Test, Billy)**

**Personal Info**

Account No 56930 Prefix [ ] PCP Waldorf, Kevin

Last Name\* Test Referring Provider [ ]

First Name\* Billy MI Rendering Provider/ Primary Care Giver [ ]

Previous Name Delicious

Address Line 1 4800 Arkansas Avenue NW

Address Line 2 Apartment 12

City Washington

State DC Zip 20009 Country US

Home Phone 202-722-5384 Cell No 202-548-4512

Work Phone 202-658-8545 Ext 222

(statements will be addressed to responsible party)

Date of Birth\* 10/01/1957 Age: 51Y

Sex\* M Male Transgender

Marital Status Single

Social Security 154-85-2545

Employer Name [ ] Clear

Emp Status 3 Not employed

Student Status (None Selected)

**Responsible Party\*** Select

Name Test, Billy

Relation 1 Self - patient is the insured

Last Appt 12/15/2008 12:30 PM

Emergency Contact Test, Janice  
Relation: Sister  
Address: 1234 Amy Rd

Acct Balance 93.50 Details Gr. Bal

Patient -76.50 Acc Inquiry

Next Appt [ ]

**Insurances IE**

Sliding Fee Schedule Fee Schedule Custom Fee Schedule Self Pay Add Update Remove

	Name	State	Subscriber No	Rel	Insured	Co Pay	Group No
P	AETNA	TX		1	Test, Billy		
S	AETNA - BH	KY		1	Test, Billy		
	RW-DENTAL-DC-Part A	DC		1	Test, Billy		

Release of Information\* Y

Rx History Consent\* U Scan

Signature Date 10/25/2008

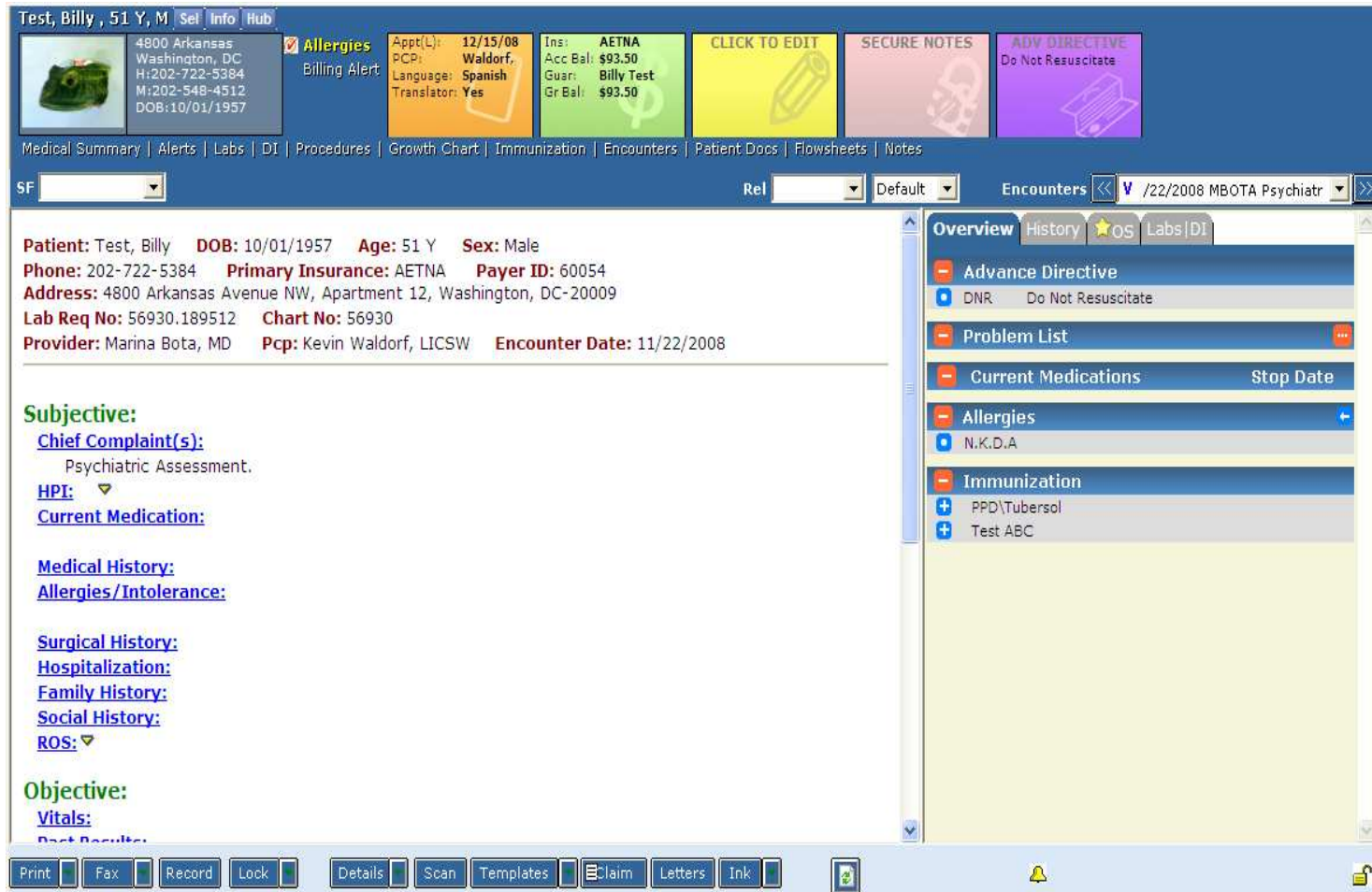
Advance Directive DNR 03/24/2009

HIV: POS  
INTERPRETER: Spanish


Additional Info Alert Misc Info Options

OK Cancel

# EHRs Project: eMR Screen Shot



Test, Billy, 51 Y, M | [Set](#) | [Info](#) | [Hub](#)

 4800 Arkansas  
Washington, DC  
H: 202-722-5384  
M: 202-548-4512  
DOB: 10/01/1957

**Allergies**  
Billing Alert

Appt(L): 12/15/08  
PCP: Waldorf,  
Language: Spanish  
Translator: Yes

Ins: AETNA  
Acc Bal: \$93.50  
Guar: Billy Test  
Gr Bal: \$93.50

CLICK TO EDIT

SECURE NOTES

ADV DIRECTIVE  
Do Not Resuscitate

Medical Summary | Alerts | Labs | DI | Procedures | Growth Chart | Immunization | Encounters | Patient Docs | Flowsheets | Notes

SF  Rel  Default  Encounters << V /22/2008 MBOTA Psychiatr >>

**Patient:** Test, Billy **DOB:** 10/01/1957 **Age:** 51 Y **Sex:** Male  
**Phone:** 202-722-5384 **Primary Insurance:** AETNA **Payer ID:** 60054  
**Address:** 4800 Arkansas Avenue NW, Apartment 12, Washington, DC-20009  
**Lab Req No:** 56930.189512 **Chart No:** 56930  
**Provider:** Marina Bota, MD **Pcp:** Kevin Waldorf, LICSW **Encounter Date:** 11/22/2008

**Subjective:**  
Chief Complaint(s):  
Psychiatric Assessment.  
HPI: ▾  
Current Medication:  
Medical History:  
Allergies/Intolerance:  
Surgical History:  
Hospitalization:  
Family History:  
Social History:  
ROS: ▾

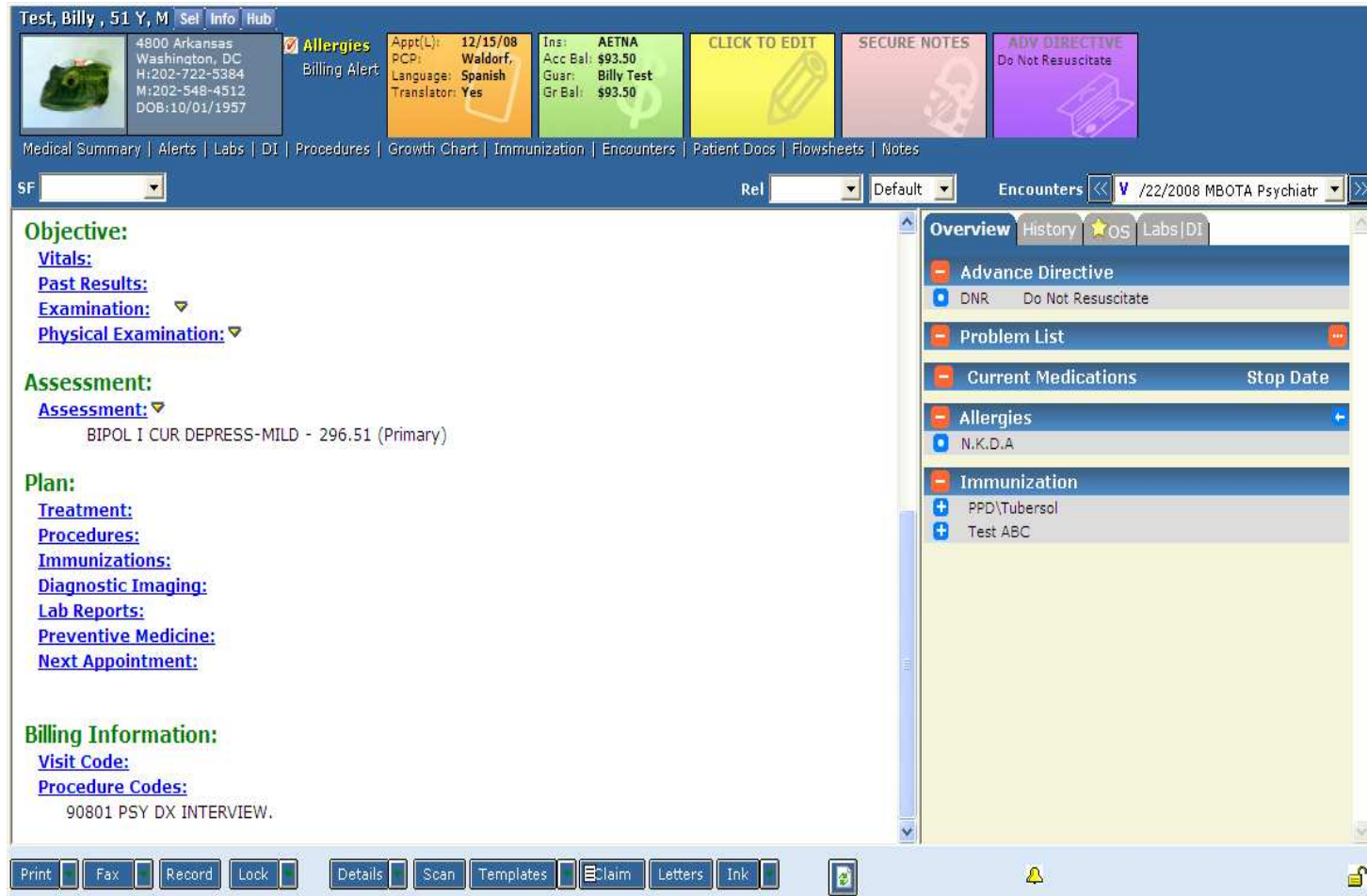
**Objective:**  
Vitals:  
Test Results:

**Overview** | [History](#) | [OS](#) | [Labs](#) | [DI](#)

- Advance Directive
  - DNR Do Not Resuscitate
- Problem List
- Current Medications Stop Date
- Allergies
  - N.K.D.A
- Immunization
  - + PPD\Tubersol
  - + Test ABC

Print | Fax | Record | Lock | Details | Scan | Templates | Claim | Letters | Ink

# EHRs Project: eMR Screen Shot



**Test, Billy , 51 Y, M** [Sel](#) [Info](#) [Hub](#)

4800 Arkansas  
Washington, DC  
H:202-722-5384  
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DOB:10/01/1957

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[CLICK TO EDIT](#)

[SECURE NOTES](#)

[ADV DIRECTIVE](#)  
Do Not Resuscitate

[Medical Summary](#) | [Alerts](#) | [Labs](#) | [DI](#) | [Procedures](#) | [Growth Chart](#) | [Immunization](#) | [Encounters](#) | [Patient Docs](#) | [Flowsheets](#) | [Notes](#)

SF  Rel  Default  Encounters << V /22/2008 MBOTA Psychiatr >>

**Objective:**  
[Vitals:](#)  
[Past Results:](#)  
[Examination:](#) ▾  
[Physical Examination:](#) ▾




**Assessment:**  
[Assessment:](#) ▾  
BIPOL I CUR DEPRESS-MILD - 296.51 (Primary)

**Plan:**  
[Treatment:](#)  
[Procedures:](#)  
[Immunizations:](#)  
[Diagnostic Imaging:](#)  
[Lab Reports:](#)  
[Preventive Medicine:](#)  
[Next Appointment:](#)

**Billing Information:**  
[Visit Code:](#)  
[Procedure Codes:](#)  
90801 PSY DX INTERVIEW.

**Overview** [History](#) [OS](#) [Labs](#) | [DI](#)

- **Advance Directive**
  - + DNR Do Not Resuscitate
- **Problem List**
- **Current Medications** [Stop Date](#)
- **Allergies**
  - + N.K.D.A
- **Immunization**
  - + PPD\Tubersol
  - + Test ABC

Print  Fax  Record  Lock  Details  Scan  Templates  Claim  Letters  Ink    

# Overview: DC RHIO\* Project

*\*DC RHIO is the acronym for the DC Regional Health Information Organization*

# DC RHIO: Project Summary



- **Project Objective** - Implement a health information exchange system that will allow multiple hospitals, health centers, and health care institutions to rapidly access past medical history data about patients
- **Project Funding** - \$6 million in grant funding from the DC government
- **Project Schedule** - 3-year implementation period ending September 30, 2010
- **A First Step** - Provide clinicians rapid access to past medical history for patients that register for care at safety net facilities – hospital emergency departments and community health centers

# DC RHIO: Implementation Objectives



- Implement Microsoft Amalga™ to support the real-time exchange of patient information between two MedStar hospital ERs and 6 community health centers (21 sites), including:
  - Registration data
  - Lab results
  - Medications (CHC)/Discharge summaries (HOSP)
  - Allergies/Diagnoses (CHC)/ RAD results (HOSP)
  
- Provide authorized health practitioners and clinical staff with secure, online access to consolidated patient data at the point of care delivery
  - Adjust current workflow to access consolidated patient data during the care delivery process
  - Present patient clinical data in ways most useful to the health care practitioner
  - Establish a process for the on-going validation of the patient data matching/exchange process
  - Provide a proof of concept for assessing the value and uses of exchanged patient clinical data

# DC RHIO: Participating Organizations



- **Community Health Centers**
  - Bread for the City
  - Family and Medical Counseling Service
  - La Clínica del Pueblo
  - Mary's Center for Maternal and Child Care
  - So Others Might Eat (SOME)
  - Whitman-Walker Clinic
- **Hospitals**
  - Georgetown University Hospital
  - Washington Hospital Center
  - *The George Washington University Hospital*
  - *Howard University Hospital*
  - *Providence Hospital*
- **DC Government Agencies**
  - *Department of Health*
  - *Department of Health Care Finance (Medicaid Operations)*
- ***District Payer Organizations***

*Italics indicate agreement to participate in a future phase*

# DC RHIO: ED-IT Implementation Objectives

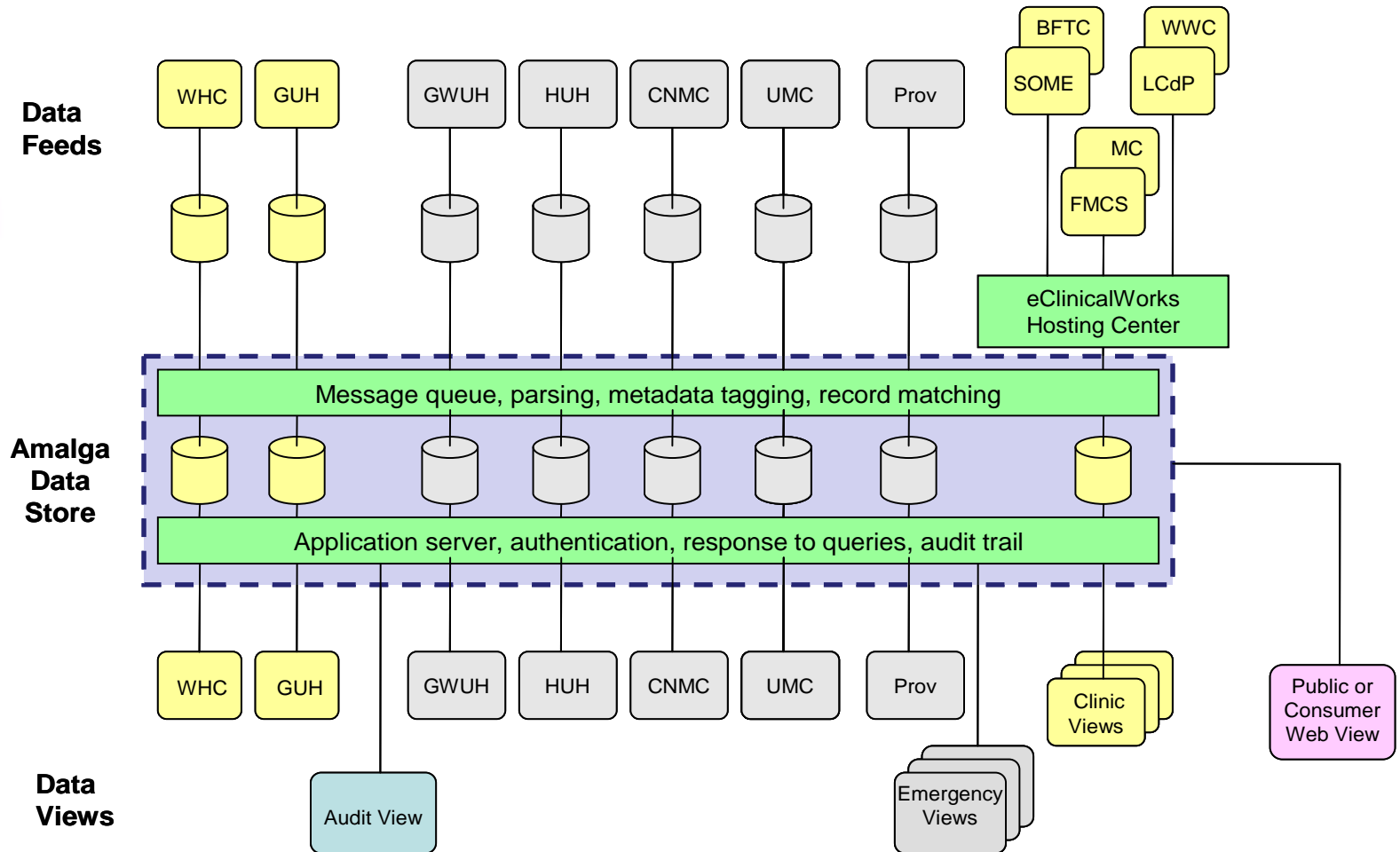


- Use the health information exchange to allow up to seven hospitals to share real-time registration data for purposes of family reunification during a declared emergency.

Participants include:

- Children's National Medical Center
  - The George Washington University Hospital
  - Georgetown University Hospital
  - Howard University Hospital
  - Providence Hospital
  - United Medical Center
  - Washington Hospital Center
- Provide 24/7 online capability for participating hospitals and DC DOH to communicate patient registration data

# DC RHIO: Technical Architecture



# Current Implementation Status



## ■ DC RHIO

- Transmission of live patient data feeds from MedStar GUH and WHC are on-going
- Testing of the transmission of health center data from eClinicalWorks to Amalga™ is in process
- Development of ED and community center clinical data viewers is underway
- Complete data validation and begin cut-over to production operations: May 15, 2009

## ■ ED-IT (Emergency Preparedness)

- Implementation of secure connections between all hospitals and Amalga™ have been completed
- Transmission of real-time patient registration data feeds are in operation at GWUH, GUH, HUH, Providence, and WHC
- Design and development of the ADT interface to CNMC is underway
- Going live at GWUH and HUH as we speak!!!