Better Connections, Better Care.

GaHIN Overview
Denise Hines, DHA, PMP, FHIMSS
Executive Director, GaHIN
**Mission:**

To facilitate a statewide health information network for Georgia that is trusted and valued by all stakeholders; works to improve health care coordination and reduces costs; and establishes a solid foundation for long-term financial sustainability.

**Vision:**

To create a healthier Georgia through the use and exchange of electronic health information to improve patient-centered health care, increase efficiencies and improve the health of the state’s entire population.

**Purpose:**

To close the patient information gap across care settings by electronically connecting disparate systems and data sources to support improved quality of care, better health outcomes and reductions in cost.
Statewide Electronic Network

GEORGIA HEALTH INFORMATION NETWORK

HOSPITAL
PHYSICIAN
GOVERNMENT
EMS
SCHOOL CLINIC
DENTIST
HOSPICE
PHARMACY
LONG TERM CARE
CONSUMERS
PAYERS
PUBLIC HEALTH
LAB
GaHIN Network Model

- Federated-hybrid model, not a central repository of clinical data
- Patient information remains with the treating provider and only flows when there is authorization
- GaHIN makes an individual data repository available to Members directly connected to the Network
GaHIN Products and Services

DirectTrust

GEORGIAN DIRECT
Simple, Secure Patient Information Exchange

eHealth Exchange

GEORGIA CONNECTED CARE
Connecting Healthcare & Building a Healthy Georgia
Connecting Georgia

Basic Data Exchange
Free email messaging service to securely send patient health information to other authorized healthcare professionals

- Attach up to 40 care documents (400 pages)
- Entry-level product for HIE
- Simple to implement

DirectTrust
<table>
<thead>
<tr>
<th></th>
<th>2017 (as of 10/2017)</th>
<th>CY 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active addresses</td>
<td>5,640</td>
<td>3,189</td>
</tr>
<tr>
<td>Member organizations</td>
<td>323</td>
<td>306</td>
</tr>
<tr>
<td>Transactions</td>
<td>412,629</td>
<td>421,031</td>
</tr>
</tbody>
</table>
Robust Integrated Patient Search (Query)

Providers can use their EHR to quickly access patient health data from hospitals, physician practices, state health systems and much more.

eHealth Exchange®
### Connecting Georgia

<table>
<thead>
<tr>
<th></th>
<th>2017 (as of 9/2017)</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connected providers</td>
<td>~10,644</td>
<td>~8,550</td>
</tr>
<tr>
<td>Queries</td>
<td>730,920</td>
<td>461,861</td>
</tr>
<tr>
<td>Demographic records</td>
<td>28,135,419</td>
<td>21,785,140</td>
</tr>
</tbody>
</table>
Connected Organizations

State Agencies
• GA Medicaid/Department of Community Health (DCH)
• GA Department of Public Health (DPH)
• GA Division of Families and Children Services (DFCS)
• GA Department of Juvenile Justice (DJJ)
• GA Department of Behavioral Health and Developmental Disabilities (DBHDD)

Health Systems/Hospitals
• Children’s Healthcare of Atlanta (Epic)
• Emory Healthcare (Cerner)
• Grady Health System (Epic)
• Gwinnett Health System (RelayHealth)

Specialty Connections
• Atlanta Gastroenterology Associates (Greenway)
• Georgia Partnership for Telehealth (Azalea)

Regional HIEs
• Georgia Health Connect (GaHC) (Liaison)
• GRACHIE/Chatham HealthLink (Cerner)
• HealtheConnection (Cerner)
• HealthHIE Georgia (Azalea)

Care Management Organizations
• Amerigroup (with IHE)
• CareSource
• Peach State
• WellCare

National Exchange
• Veterans Health Administration
• Department of Defense
• DaVita Healthcare Partners
• Alabama (AOHR)
• East Tennessee HIE (etHIN)
• South Carolina HIE (SCHIEx)
• North Carolina HIE (NCHIEA)
Georgia ConnectedCare Clinical View Screens
Georgia ConnectedCare Patient Profiles

• Clinical View
  – Census Search
  – Patient Profile
    • Dashboard
    • Summary
    • Reports
      – CCD
    • Labs
GaHIN Census Search

Census

My Census Definitions
- All Patients

Census Search Criteria
Demographics
- SSN
- Member
- ID
- Last Name: Demoski
- First Name: Henry
- Middle Name
- Name
- Date Of Birth: 8 1 1981

You must provide at least 1 required (*) search parameter.
You must provide at least 2 criteria.

Search Clear

My Census Definitions
- All Patients

Census Search Criteria
Demographics
- SSN
- Member
- ID
- Last Name: Demoski
- First Name: Henry
- Middle Name
- Name
- Date Of Birth: 8 1 1981

You must provide at least 1 required (*) search parameter.
You must provide at least 2 criteria.

Search Clear
## Search Results

### Census

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Middle Name</th>
<th>DOB</th>
<th>SSN</th>
<th>Member ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>DEFOSKI</td>
<td>HENRY</td>
<td>M</td>
<td>08/01/1981</td>
<td>555-11-1000</td>
<td></td>
</tr>
</tbody>
</table>

### Census Search Criteria

**Demographics**
- **SSN**
- **Member ID**
- **Last Name**
- **First Name**
- **Middle Name**
- **DOB**
- **SSN**

*You must provide at least 1 required (*) search parameter. You must provide at least 2 criteria.*

**Search Options**
- Search
- Clear

**Pagination**
- First Page
- Prev Page
- Next Page
- Last Page

**Showing** 1-1 of 1 rows
**Patient Profile: Dashboard**

![Image of a patient profile dashboard]

**Summary of the Patient Profile Dashboard**

- **Patient Information**:
  - Name: Demoski, Helen
  - Age: 65
  - Gender: Female
  - DOB: 4/21/1950
  - MRN: N/A

**Date Range**

- Date Range: Aug 17, 2011 to Nov 17, 2015
- Update button available

**Problems Table**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Type</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valvular Heart Disease</td>
<td>Primary Diagnosis</td>
<td>10/09/2011</td>
</tr>
<tr>
<td>ASTHMA NOS</td>
<td>Primary Diagnosis</td>
<td>01/08/2011</td>
</tr>
<tr>
<td>ASTHMA NOS</td>
<td>Primary Diagnosis</td>
<td>12/11/2010</td>
</tr>
<tr>
<td>TRACHEA/BRONCHUS DIS NEC</td>
<td>Primary Diagnosis</td>
<td>09/27/2010</td>
</tr>
<tr>
<td>TRACHEA/BRONCHUS DIS NEC</td>
<td>Primary Diagnosis</td>
<td>07/27/2010</td>
</tr>
</tbody>
</table>

**Lab Results Table**

<table>
<thead>
<tr>
<th>Date</th>
<th>Type</th>
<th>Value</th>
<th>Acuity</th>
<th>Trend</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/05/2013 23:...</td>
<td>WBC</td>
<td>16.6</td>
<td>H</td>
<td></td>
</tr>
<tr>
<td>11/05/2013 23:...</td>
<td>HGB</td>
<td>10.2</td>
<td>L</td>
<td></td>
</tr>
<tr>
<td>11/05/2013 23:...</td>
<td>HCT</td>
<td>28.6</td>
<td>L</td>
<td></td>
</tr>
<tr>
<td>11/05/2013 23:...</td>
<td>BUN</td>
<td>26</td>
<td>H</td>
<td>20-26</td>
</tr>
</tbody>
</table>

**Providers Table**

- Ken Green, Specialty: Attending Physician
- Bob Johnson
- Sheila White

**Encounters Table**

<table>
<thead>
<tr>
<th>Type</th>
<th>Date</th>
<th>Primary Diagnosis</th>
<th>Provider</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>03/27/2015</td>
<td>Valvular Heart Disease</td>
<td>Bob Johnson</td>
</tr>
<tr>
<td></td>
<td>11/03/2013</td>
<td>Valvular Heart Disease</td>
<td>Bob Johnson</td>
</tr>
<tr>
<td></td>
<td>11/02/2013</td>
<td>Valvular Heart Disease</td>
<td>Bob Johnson</td>
</tr>
<tr>
<td></td>
<td>01/08/2011</td>
<td>ASTHMA NOS</td>
<td>Sheila White</td>
</tr>
<tr>
<td></td>
<td>12/11/2010</td>
<td>ASTHMA NOS</td>
<td>Sheila White</td>
</tr>
<tr>
<td></td>
<td>09/27/2010</td>
<td>ASTHMA NOS</td>
<td>Sheila White</td>
</tr>
</tbody>
</table>

**Medications Table**

- Start Date
- Stop Date
- Medication
- Indication
- Order Date

**Immunizations Table**

- Dose Date
- Medication Name
- Dose

**Reports Table**

- Date
- Note Type
- Summary
- Provider

**Note**: The image also includes a section for organizing and viewing different pages.
### Patient Profile: Summary Page

- **Data Source**

- **Details available**

<table>
<thead>
<tr>
<th>PROVIDERS</th>
<th>10/30/2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green, Ken (Attending Physician)</td>
<td>Data Source: GAMedicaid</td>
</tr>
<tr>
<td>Johnson, Bob (Attending Physician)</td>
<td>Problems: Primary Diagnosis: TRACHEA/BRONCHUS DIS NEC, FX RADIUS NECK-CLOSED</td>
</tr>
<tr>
<td>Walgreens #18713 (ServiceOrganizat. White, Sheila (Attending Physician))</td>
<td>Procedures: RADIO EXAM ELBOW COMP MINIMUM THREE VIEW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MEDICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HYDROCORTISONE 0.2% CREAM</td>
</tr>
<tr>
<td>NORVASC SMG TABLET</td>
</tr>
</tbody>
</table>

| IMMUNIZATIONS |
Longitudinal Filtered
Reports List – Immunization Selected
Patient Profile: CCD

Continuity of Care Document

Created On: August 28, 2015

Patient: HENRY DEMOSKI
225 BAKER ST
ATLANTA, GA, 30313
4045554000

Birthdate: August 1, 1981
Race: Information not available
Preferred Language: Information not available
Care Team Member(s):
Guardian: Information not available
Other Caregiver(s):

Patient ID: 0000430229
Sex: Male
Ethnicity:
Next of Kin:
Emergency Contact:

Allergies, Adverse Reactions, Alerts

<table>
<thead>
<tr>
<th>Substance</th>
<th>Category</th>
<th>Reaction</th>
<th>Severity</th>
</tr>
</thead>
<tbody>
<tr>
<td>codeine</td>
<td>Drug allergy</td>
<td>Hives</td>
<td>Medium</td>
</tr>
<tr>
<td>egg-containing compound</td>
<td>Drug allergy</td>
<td>Abdominal Pain</td>
<td>Medium</td>
</tr>
</tbody>
</table>

Immunizations

<table>
<thead>
<tr>
<th>Immunization</th>
<th>Date Given</th>
<th>Site</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>hepatitis B adult vaccine</td>
<td>05/21/2015</td>
<td>Arm Left</td>
<td>completed</td>
</tr>
<tr>
<td>influenza virus vaccine</td>
<td>01/01/2015</td>
<td>Arm Right</td>
<td>completed</td>
</tr>
</tbody>
</table>

Results

<table>
<thead>
<tr>
<th>Order Name</th>
<th>Results</th>
<th>Value</th>
<th>Reference Range</th>
<th>Date</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANES NTE</td>
<td>ANES NTE</td>
<td>Testing</td>
<td></td>
<td>07/28/2015</td>
<td></td>
</tr>
</tbody>
</table>

Vital Signs

<table>
<thead>
<tr>
<th>Vital Sign</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Source</td>
<td>Oral &lt;br/&gt;(S/21/15 2:02 PM)</td>
</tr>
<tr>
<td>Resp</td>
<td>20 br/min</td>
</tr>
<tr>
<td>O2 Sat</td>
<td>98 %</td>
</tr>
<tr>
<td>Blood Pressure</td>
<td>120 / 80</td>
</tr>
</tbody>
</table>
GaHIN Value-Added Products and Services

- Medical image exchange
- Laboratory results delivery
- Medication fill history
- Public health registries
- Directed Exchange/Secure Messaging Provider Directory
- Care Plan Exchange
- Event/Encounter Notification (ADTs)
Project Highlights

- Care Plan Exchange & ADT Care Alerts
- School-Based Health Clinics in Rural Communities
- Georgia Justice Information Sharing Initiatives
- Georgia Prescription Drug Monitoring Program
- Value in HealthCare Atlanta Heart Failure Project
- GeorgiaDirect Outreach/Use Cases:
  - Long-Term Care, EMS, Pharmacies, Behavioral Health, FQHCs, Public Health District Offices, Community Health Organizations, Health systems, Dentists, Dialysis & Asthma clinics, VA Claims Processing
Georgia Health Connect (GAHC), Health Information Exchange (HIE)

Overview

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Professor, Dept. of Family Medicine
Director National Center for Primary Care
Executive Medical Director GaHITEC, GAHC
Morehouse School of Medicine
Office-4047568960  Cell-4044083201
Georgia Health Connect (GAHC), Health Information Exchange (HIE)

- HIE created to support smaller practices and hospitals.
- Regional HIE connected to GaHIN (statewide HIE).
- All technology platforms (public-private partnership).
- Connects to any EHR system without preference.
- Platform is not sponsored or operated by any health system.
- A Morehouse School of Medicine (MSM) technology center.

Data/Technology Partners:
- GaHC
- Lifesource
- Tangible Solutions
- DrFirst
- Small Practices
- Rural Hospitals
- Rural Community Health Networks
- Ancillary Services
- EMS
- Correctional Facility Health Providers
- Ancillary Services
- Rural Hospitals
- Rural Community Health Networks
- Liaison
- Tangible

Correctional Facility Health Providers
- Liaison
- Rural
- Hospitals
- EMS
- Lifesource
- Lifesource
- Lifesource

Small Practices
- Rural Hospitals
- Rural Community Health Networks
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- EMS
- Lifesource
- Lifesource
- Lifesource

Rural Community Health Networks
- GaHC
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- Rural Community Health Networks
- Ancillary Services
- EMS
- Lifesource
- Lifesource
- Lifesource

Ancillary Services
- Rural Hospitals
- Rural Community Health Networks
- Ancillary Services
- EMS
- Lifesource
- Lifesource
- Lifesource

Hospitals
- Rural Hospitals
- Rural Community Health Networks
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- Lifesource
- Lifesource
- Lifesource

EMS
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Lifelines
- Rural Hospitals
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- Lifesource
- Lifesource

DrFirst
QUESTIONS??

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