

Georgia Cancer  
Quality Information Exchange



exchange information

*The Intersection of Quality &  
Information Technology*

# Creating The Georgia Cancer Quality Information Exchange



- With funding from the Woodruff Foundation, a study was initiated to identify ways to measure if Georgia is making progress in quality of cancer care
- In 2005, the Institute of Medicine released its report *“Assessing the Quality of Cancer Care: An Approach to Measurement in Georgia”*. The report contained 52 quality measures developed by an independent panel of scientific experts for the purposes of: gauging Georgia’s progress in improving the quality of cancer care
- The Vision for the Georgia Cancer Quality Information Exchange followed...

The IOM Report suggested sources of data but did not reach conclusion as to collection methods or availability of data – *first demonstration project: role of EMR and integrative care teams (hospital and community based physicians) in collecting metrics*

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# The Georgia Cancer Quality Information Exchange

## *Measuring Progress, Motivating Change*

*“The Exchange” facilitates the design, access and retrieval of clinical information and public health data for the purposes of measuring the quality of cancer care, enhancing adherence to standards of care and improving patient centered care and outcomes through process change.*

# Essential Building Blocks

- Complements surveillance data with “real-time” point of care information
- Builds on the existing clinical quality improvement and electronic medical record initiatives of providers
- Strengthens prevention, screening, diagnosis, and treatment processes
- Challenges existing role definitions and encourages collaboration
- Aggregates data from multiple sources into a statewide dashboard
- Based on where cancer care is today and where we are going in



# Exchange Dashboard – IOM Quality of Care Indicators

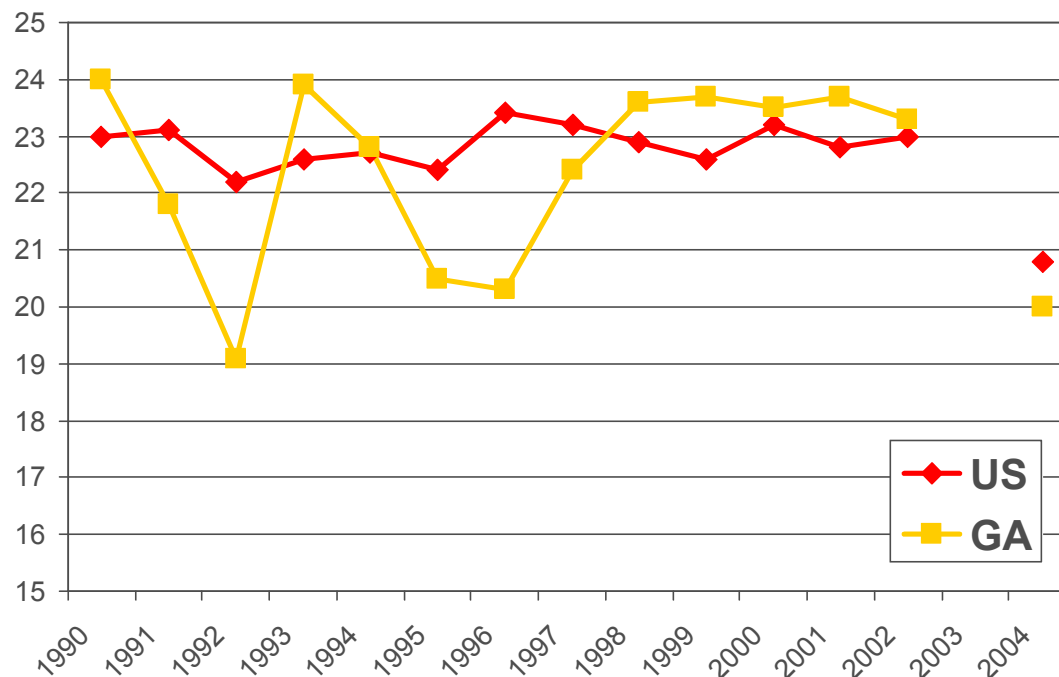


Prevention	Detection	Diagnosis	Treatment	
Adult Smoking ▲	Breast Cancer Screening ▲	Timely Breast Cancer Biopsy ▲	Participation in Clinical Trials ▲	Cancer Deaths In Hospice ▲
Adolescent Smoking ▲	Colorectal Cancer Screening ▲	Needle Biopsy For Breast Cancer ▲	Inappropriate Hormonal Therapy ▲	Hospice Length of Stay ▲
Advice to Quit Smoking ▲	Early-stage Breast Cancer ▲	Clean Margins Breast Surgery ▲	Appropriate EBRT Prostate Cancer ▲	Breast Cancer 5/10 Survival Rate ▲
Pharmacotherapy to Quit Smoking ▲	Advanced-stage Breast Cancer ▲	Hist Assessment Breast Cancer ▲	EBRT/Hormone Prostate Cancer ▲	Colorectal Cancer 5/10 Survival Rate ▲
Adult Obesity ▲	Advanced-stage Colorectal Cancer ▲	Hist Assessment Colorectal Cancer ▲	Adjuvant Radiation Breast Cons Surg ▲	Lung Cancer 5/10 Survival Rate ▲
Cancer Incidence All Sites ▲		Path Compliance for Specimens ▲	Adjuvant Hormon. Inv Breast Cancer ▲	Prostate Cancer 5/10 Survival Rate ▲
Breast Cancer Incidence ▲		Path Reports for Breast Cancer ▲	Adjuvant Chemo Breast Cancer ▲	Breast Cancer Mortality Rate ▲
Colorectal Cancer Incidence ▲		Path Reports for Colorectal Cancer ▲	Adjuvant Chemo Colorectal Cancer ▲	Colorectal Cancer Mortality Rate ▲
Lung Cancer Incidence ▲		Path Reports for Lung Cancer ▲	Mammography After Treatment ▲	Lung Cancer Mortality Rate ▲
Prostate Cancer Incidence ▲		Path Reports for Prostate Cancer ▲	Colonoscopy After Treatment ▲	Prostate Cancer Mortality Rate ▲
		Breast Cancer Stage Determined ▲	Cancer Pain Assessment ▲	All Cancers Mortality Rate ▲
		Colorectal Cancer Stage Determined ▲	Prevalence of Pain Cancer Patients ▲	
		Lung Cancer Stage Determined ▲		
		Prostate Cancer Stage Determined ▲		

## Prevention

- Adult Smoking** ▲
- Adolescent Smoking
- Advice to Quit Smoking
- Pharmacotherapy to Quit Smoking
- Adult Obesity
- Cancer Incidence All Sites
- Breast Cancer Incidence
- Colorectal Cancer Incidence
- Lung Cancer Incidence
- Prostate Cancer Incidence

### 3.1 Adult Smoking Rate



Healthy People 2010 has set a target of 12%.

## Prevalence

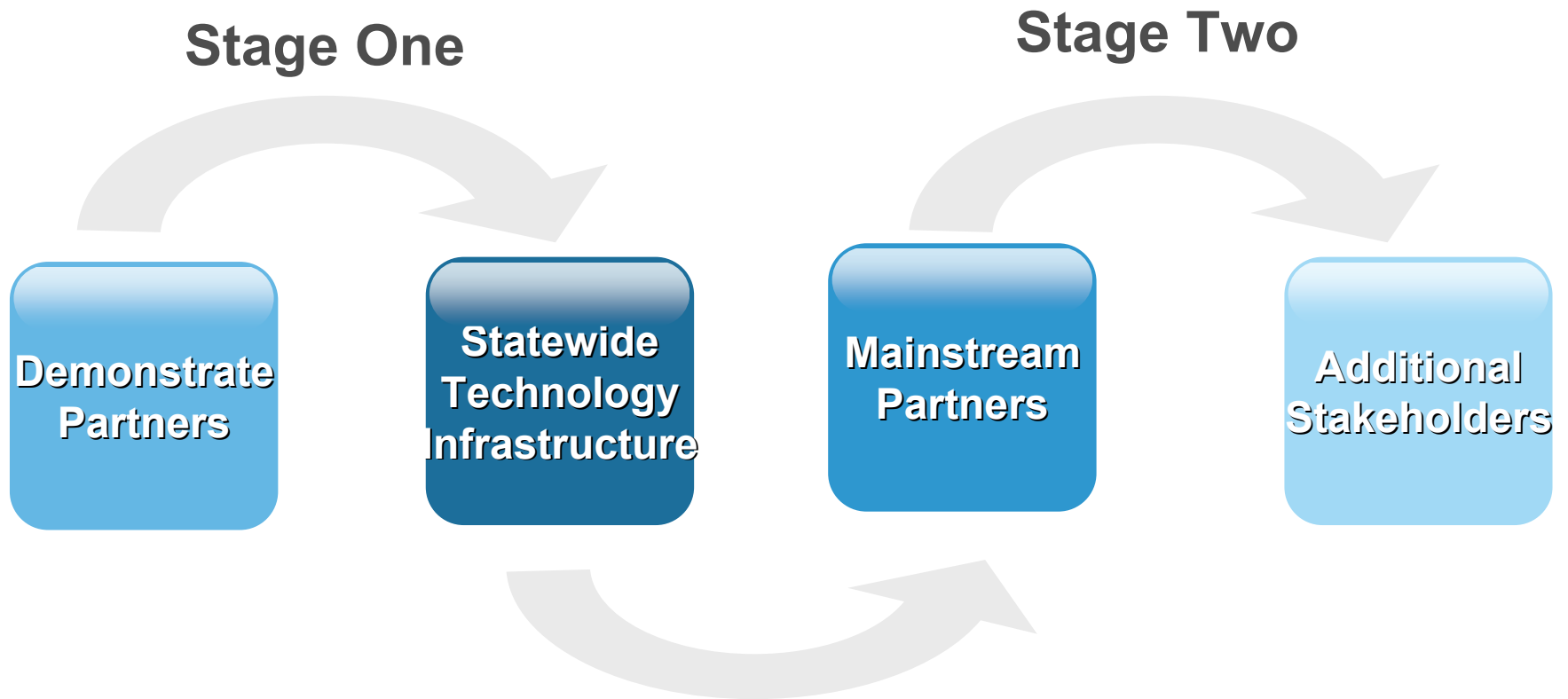
- Cancer Deaths Hospice
- Hospice Length of Stay
- Breast Cancer 10 Survival Rate
- Colorectal Cancer 10 Survival Rate
- Lung Cancer 10 Survival Rate
- Prostate Cancer 10 Survival Rate
- Breast Cancer Mortality Rate
- Colorectal Cancer Mortality Rate
- Lung Cancer Mortality Rate
- Prostate Cancer Mortality Rate
- All Cancers Mortality Rate

- Stage Determined
- Colorectal Cancer Stage Determined
- Lung Cancer Stage Determined
- Prostate Cancer Stage Determined

- Assessment
- Prevalence of Pain Cancer Patients

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# From Initial Concept to Reality



# Accomplishments

***Across The Exchange, approximately 120 volunteers are contributing to this Statewide effort***

The Georgia Cancer Coalition

The Georgia Cancer Quality Information Exchange  
*"The Exchange"*

Demonstration Projects

Demonstration Partners have provided over 100 participants at both the Executive and Operational level

Statewide Disease Site CQI Teams

Across all Teams ~ 50 Clinicians

Technology

8 Technology Thought Leaders Advising

# Accomplishments - Demonstration Partners

Nancy N. and J.C.  
**Lewis Cancer**  
& Research Pavilion  
at St. Joseph's/Candler

 **PIEDMONT  
HOSPITAL**  
*a CENTURY of BETTER CARE*

**HARBIN**  
CLINIC 

**FLOYD**

 **Redmond**  
Regional Medical Center  
The Center of Attention

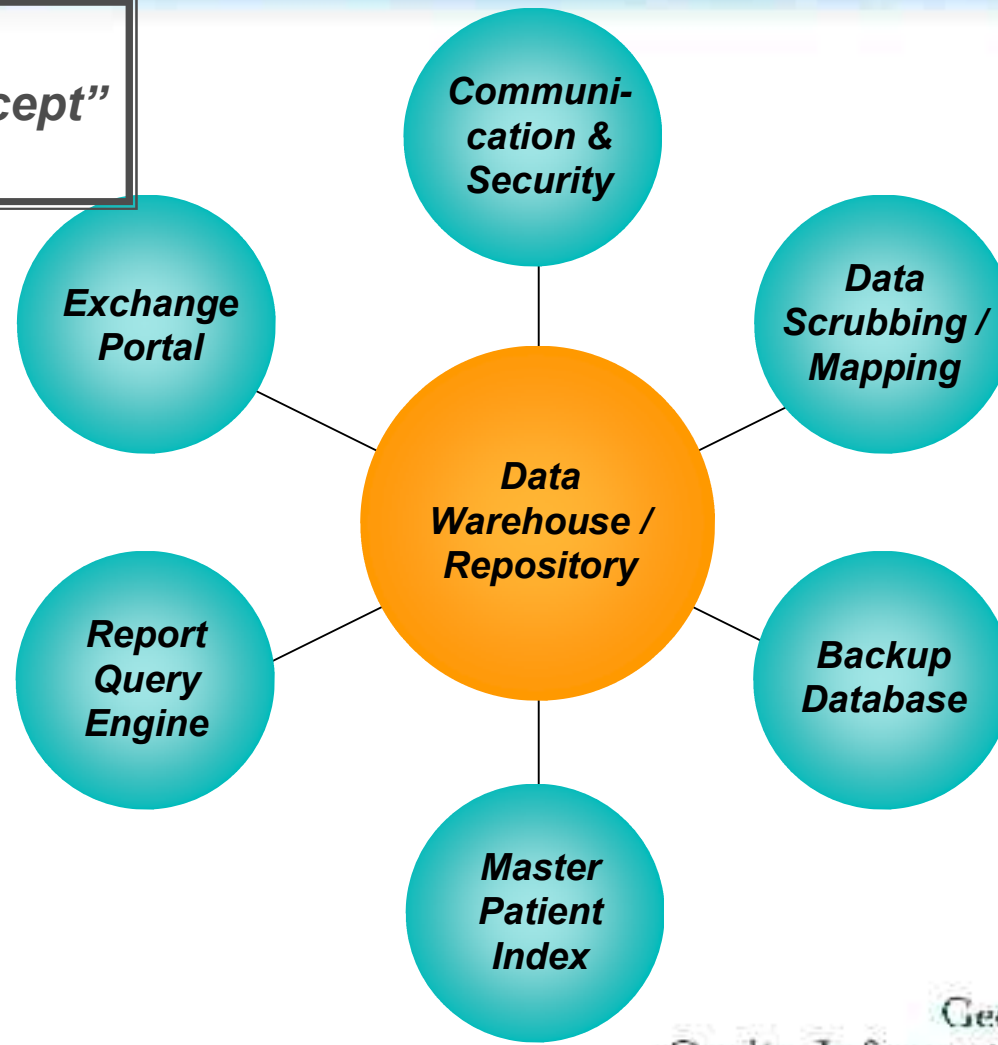
 **COLUMBUS  
REGIONAL**  
*John B. Amos Cancer Center*

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# Accomplishments - Creation of a Statewide Technology Infrastructure

**Will Launch  
"Proof of Concept"  
Project Soon**



# Additional Accomplishments

- Developed models across multiple IT platforms for three levels of IT adoption
  - Full EMR
  - Partial automation
  - Paper-based
- Standardized processes for:
  - Pain assessment: and documentation
  - Disease Staging
  - Clinical Trials
  - Risk assessment
- National recognition – New role of registrar from paper focused abstracting to member of care management team
- Early linkages to BRAG-ONC, GA-Core, NCCCP, and other initiatives of GCC
- Developed successful model of community collaboration:
  - Large multi-specialty physician practice
  - Community not-for-profit Hospital
  - Member of for-profit hospital chain
- Obtained funding and investments from
  - State of Georgia
  - Georgia Philanthropic sources
  - In-kind donations from demonstration partners
- Supported goals and objectives of the Georgia Cancer Control Plan

