

Brian Sandoval
Governor



Cody L. Phinney, MPH
Administrator

Richard Whitley, MS
Director

Tracey D. Green, MD
Chief Medical Officer

Using Medicaid Data to Inform and Enhance Cancer Screening Rates

Rani Reed, B.S.
Colorectal Cancer Control and Prevention Coordinator

Advisory Council on the State Program for Wellness and the
Prevention of Chronic Disease (CWCD)

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Agenda

- Data Capture Concepts
- Screening Record Demonstration
- Potential of Healthcare Claim Data
- Cancer Screening is a Good Investment
- Challenges
- Next Steps
- Questions

Data Capture Concepts

- Health Information Exchange Interface (HL7)
 - Provider Interface requires a transaction monitor
 - Software manufacturer must modify software to include a monitor
 - Infrastructure not in place to support public health efforts
- Electronic Data Interface (EDI) Claims Interface - Follow the Money
 - Been in existence for over 30 years
 - Used by all Medicaid and Health Insurance Market Place Providers
 - Most software manufacturers include EDI claims submittal

Medicaid Data Processing Module

Medicaid Processing Version 5 06/19/15

Medicaid Site No

Process Medicaid Data To CaST

Step 1

Step 2 No Records Processed Time Start Time End

Step 3 This Procedure Takes 3 or more hours

Step 4

Step 5

Step 6 Name DOB Match

Step 7 Don't Match Don't Re-Check

Step 8

Audit Claim CPTs	Maintain Conversion Tables	Reports	Reset Tables To No Records
<input type="button" value="Audit Breast"/>	<input type="button" value="CPT Maintenance"/>	<input type="button" value="CPT List"/>	<input type="button" value="Reset Claims"/> mctblClaims_Medicaid
<input type="button" value="Audit Cervical"/>	<input type="button" value="ICD Maintenance"/>	<input type="button" value="ICD List"/>	<input type="button" value="Reset Demographics"/> mctbl_Demographics
<input type="button" value="Audit Colorectal"/>	<input type="button" value="Race Maintenance"/>		<input type="button" value="Reset Matches"/> mctbl_Demographics_Matches

Location of Medicaid Files File Name

Text Files Process By This Program





- 1 - CLAIMS_1500
- 2 - CLAIMS_UB2
- 3 - CLMS_PROVIDERS
- 4 - CLAIMS_ENROLLEE_DEMOGRAPHICS
- 5 - CLAIMS_ENROLLEE_ELIGIBILITY

SQL Files Process By This Program

- 6 - mctbl_Demographics
- 7 - mctblClaims_Medicaid

New Medicaid Client with No Claim

032001000181169 Garcia, Lisa

Mode:  Browse Patient  Edit Patient  New Patient  Delete Patient

Enrollment

NBCCEDP Loc:* Medicaid NBCCEDP Date: 01/01/2014
CRCCP Loc: CRCCP Date: / /
Chart #: CD #:
Comments:

Identification

SSN: 353-22-3333 Alt Id/Type:
Name (Last, First): Garcia, Lisa
Middle Name: Maiden Name:
Date of Birth:* 01/03/1954 Gender:* Female Ethnicity:* Non-Hispanic origin
Race(s):* Black
POB (City, State): Country of Birth:

Primary Address

Street: 3134 Green Briar Dr
City: HENDERSON State:* NV Zip:* 89052-0000
County or Area:* -- Clark [inactive] --
Daytime Phone: Nighttime Phone:

Secondary Address

Street:
City: State: Zip: -

Current Status

Current Status: Inactive Dt of Patient Status: / /
Patient Status Text:

User Defined

Ever Smoked:
Smoke Now:
Date Quit: / /
Prog Type: Medicaid
Budget:
Cell Phone:
Email:
Occupation:
Industry:
Marital:
Age: 61

Client Transitioned from WHC to Medicaid

- 032001000148052 Smith, Kathy
 - Baseline
 - Cervical
 - Cycle #1
 - Pelvic Exam - 07/30/2013
 - Cycle #2
 - Pelvic Exam - 02/12/2015
 - Breast
 - Cycle #1
 - Mammogram (initial) - 07/30/2013
 - Clinical Breast Exam (CBE) - 07/30/2013
 - Cycle #2
 - Mammogram (initial) - 08/20/2014
 - Mammogram (initial) - 08/20/2014
 - Colorectal
 - Cycle #1
 - Colonoscopy - 10/15/2014
 - Colonoscopy - 10/15/2014
 - Colonoscopy - 10/15/2014

← New Medicaid Cervical Cycle

← New Medicaid Breast Cycle

← New Medicaid Colorectal Cycle

Breast Procedure from Medicaid CPT Code

Procedure 1 of 2 Cycle #2 (Workup planned = BLANK)
Last modified date: 07/15/2015 03:03 PM Last modified by: mreed Created date: 07/15/2015 03:03 PM Created by: mreed

Breast Procedure:* Mammogram (initial)

Date Breast Procedure Requested: / /

Location - Breast procedure: Medicaid

Indication for Initial Mammogram:*

Indication Reason for Initial Mammogram:

Breast Diagnostic Referral Date:* / /

Mammogram Type:

Paid by NBCCEDP - Breast procedure:*

Date Breast Procedure Performed:* 08/20/2014

Breast Procedure Result:* Negative

Date of Breast Procedure result: / /

Date notified of results - Breast procedure: / /

CPT code - Breast: G0202-Screening Mammogram, Digital, Bilateral

Recommended FUP - Breast:

Short Term FUP Months - Breast:

Breast Density:

Mam Appt.: / /

Claim Id: 9046

ICD Code: V7612

Medicaid Person Id: 2119047

Provider: CARD BETSY S M

Provider NPI: 1073545430

← Data from Site "Medicaid"

← Result obtained from ICD v7612 (See below)

← CPT obtain from Medicaid Claim

Medicaid Claim ID
Medicaid ICD Code
Medicaid Person ID
Medicaid Provider
Medicaid Provider NPI

Medicaid client who transitioned from WHC

Home Query Results 1 032001000123740

032001000123740 Smith, Hannah

- Baseline
 - Cervical
 - Cycle #1
 - Pelvic Exam - 03/17/2007
 - Pap test - 03/17/2007
 - Cycle #2
 - Pelvic Exam - 11/11/2011
 - Pap test - 11/11/2011
 - Cycle #3
 - Pelvic Exam - 11/19/2012
 - Cycle #4
 - Pelvic Exam - 09/24/2014
 - Pap test - 09/24/2014
 - Breast
 - Cycle #1
 - Clinical Breast Exam (CBE) - 03/17/2007
 - Cycle #2
 - Clinical Breast Exam (CBE) - 11/11/2011
 - Mammogram (initial) - 12/13/2011
 - Cycle #3
 - Clinical Breast Exam (CBE) - 11/19/2012
 - Mammogram (initial) - 12/13/2012
 - Cycle #4
 - Clinical Breast Exam (CBE) - 09/24/2014
 - Mammogram (initial) - 10/09/2014
 - Additional mam views - 10/22/2014
 - Ultrasound - 10/22/2014
 - Surgical consultation - 10/31/2014
 - Surgical consultation - 11/06/2014
 - Biopsy - 11/11/2014
 - Colorectal

032001000123740 Smith, Hannah

Mode: Browse Procedure Edit Procedure New Procedure Delete Procedure Ret

Procedure 7 of 7 Cycle #4 (Workup planned = Planned, Status of Final Dx = Complete)
 Last modified date: 12/18/2014 03:18 PM Last modified by: 001063 Created date: 12/15/2014 01:30 PM Created by: 001059

Breast Procedure: Biopsy

Date Breast Procedure Requested: 11/11/2014

Location - Breast procedure: Breast Care - Potruch

Indication for Initial Mammogram: *

Indication Reason for Initial Mammogram:

Breast Diagnostic Referral Date: / /

Mammogram Type:

Paid by NBCCEDP - Breast procedure: Yes

Date Breast Procedure Performed: 11/11/2014

Breast Procedure Result: Ductal CIS

Date of Breast Procedure result: / /

Date notified of results - Breast procedure: / /

CPT code - Breast: 19083-Breast biopsy, with placement of localization device

Recommended FUP - Breast:

Short Term FUP Months - Breast:

Breast Density:

Mam Appt.: / /

Local 3 Text:

Local 4 Text:

ICD Code:

Medicaid Person Id:

Provider:

Provider NPI:

Medicaid cycle

Medicaid cycle

Medicaid Unscreened

Preliminary Data (January 1, 2014 - September 22, 2015)

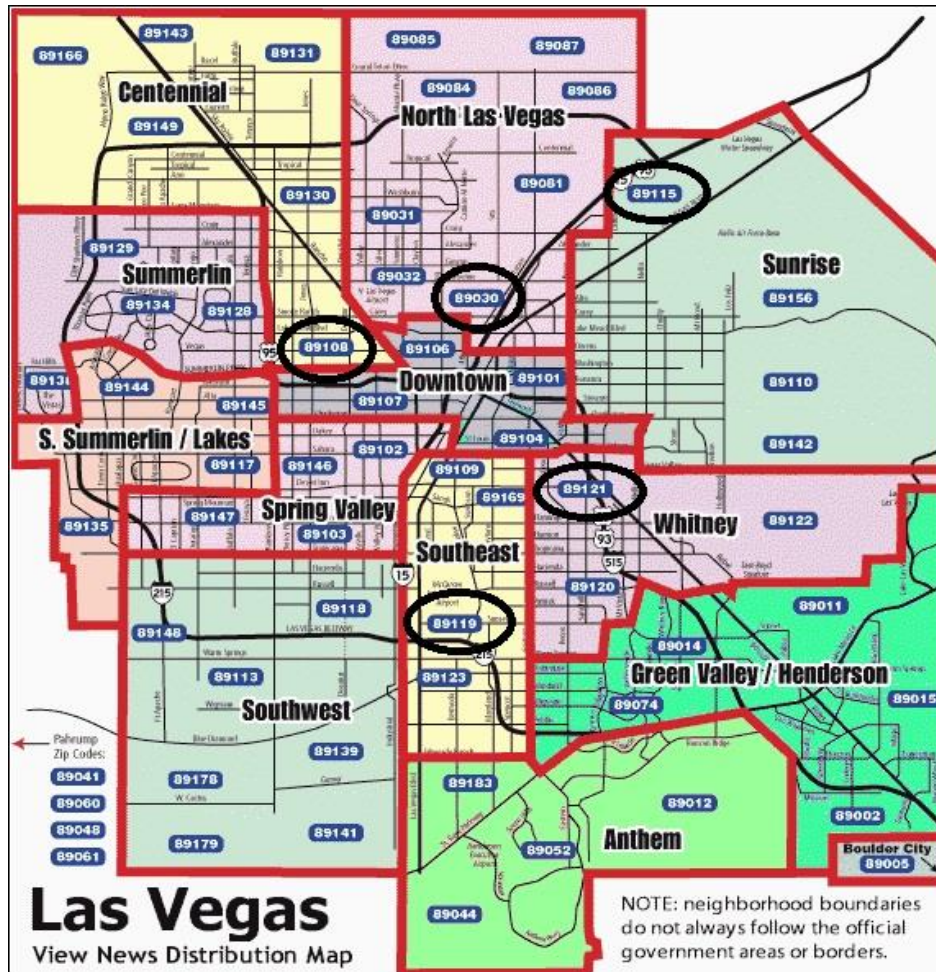
Total Medicaid Enrollments – **57,777**

- Breast Screening – 39,755 (69%)
- Cervical Screening – 43,823 (76%)
- Colorectal Screening – 53,830 (93%)
- Total Unscreened - 36,301 (63%)

Potential of Healthcare Claim Data

- Claim data can be used to obtain baseline data within Health Systems
- Claim data can be used to drive resources and interventions
- Claim data can be used to measure interventions
- Ability to collect and analyze cost data
- Real-time claim data can be used to initiate patient navigation and care coordination
- Concept could be expanded to obtain data from other Health Systems
- Concept could be expanded to obtain data for other chronic diseases (diabetes, heart disease, tobacco, etc.)

Zip Codes with the Highest Numbers of Unscreened Medicaid Clients



Cancer Screening is a Good Investment

Stage of Breast Cancer	Average Medicaid Treatment Costs per Patient after 24 months following diagnosis
In situ or local (early stage)	\$22,343
Regional (intermediate stage)	\$41,005
Regional with lymph nodes or distant (late stage)	\$117,033

- Absence of screening was associated increased late-stage diagnosis of breast cancer
- To reduce late-stage breast cancer occurrence, we need to reach the unscreened including elderly, unmarried, low-income, and less educated

1 in 8 women will develop breast cancer in their life time

<http://www.ncbi.nlm.nih.gov/pubmed/21079524>

Challenges



- Lack of real-time data connection with Medicaid Data Warehouse
- Healthcare workforce shortage
- Sustainable positions to manage, maintain, and analyze data (SQL and Visual Basic programming, database administration)
- Sustainable funding to maintain and enhance data system
- It is unknown who will implement preventive interventions
- It is unknown if funds will be available for future phases to complete:
 - Medicaid Education, Outreach and Follow-up
 - Interface with other Insurance Market Place Federal Subsidized Carriers (Total of five in Nevada)
 - Interface with Health Information Exchange (HIE) and FQHC Groups

Next Steps

- Collaborate with Medicaid to promote preventive care through evidence-based outreach and education services
- Encourage and assist Medicaid (MCO & CMO) to promote prevention which will decrease costs over time
- Refine data system to monitor screening rates and quality of care within Medicaid (MCOs and FFS)
- Promote use of Community Health Workers in clinical settings
- Seek funding to expand concept to other chronic diseases

Questions?



Thank you!

Rani Reed

CRCCP Coordinator

Chronic Disease Prevention and Health Promotion

Division of Public and Behavioral Health

rrreed@health.nv.gov

(775) 687-7581