

The Chronic Care Model:  
Today's Nightmare or  
Tomorrow's Dream

Tribal Leader's Meeting

Corning, Ca

March 2008

Dan J. Calac, MD

# Indian Health Council, Inc.

Valley Center, CA



# Agenda

- Indian Health Council Overview
- Chronic Care Model Components
- Chronic Care Model in Action
- The Synergy of Chronic Care
- Discussion

# Indian Health Council, Inc.

## Valley Center, CA



# Indian Health Council Overview: Background Information

- Location
  - North San Diego County – California
- Population Served
  - Native Americans and family members
  - 5000 Active clinical users
  - User Population 18000
  - 9 North San Diego County Tribes
- Number of Sites
  - Two – Rincon and Santa Ysabel

# Indian Health Council Overview: Background Information

- Indian Health Council Overview
  - Non profit 501 (3) c organization
  - Services 12 tribes in the northern San Diego County (Tribal Consortium)
  - Operates under Public Law 638 funding via Consortium tribes
  - Grants provide 22% of other gap funding not provided by Indian Health Service

# Indian Health Council Overview: Background Information

- Services/Departments
  - Medical
  - Dental
  - Pharmacy
  - Community Health
  - Human Services
  - Operations/Fleet
  - Administration
  - IT

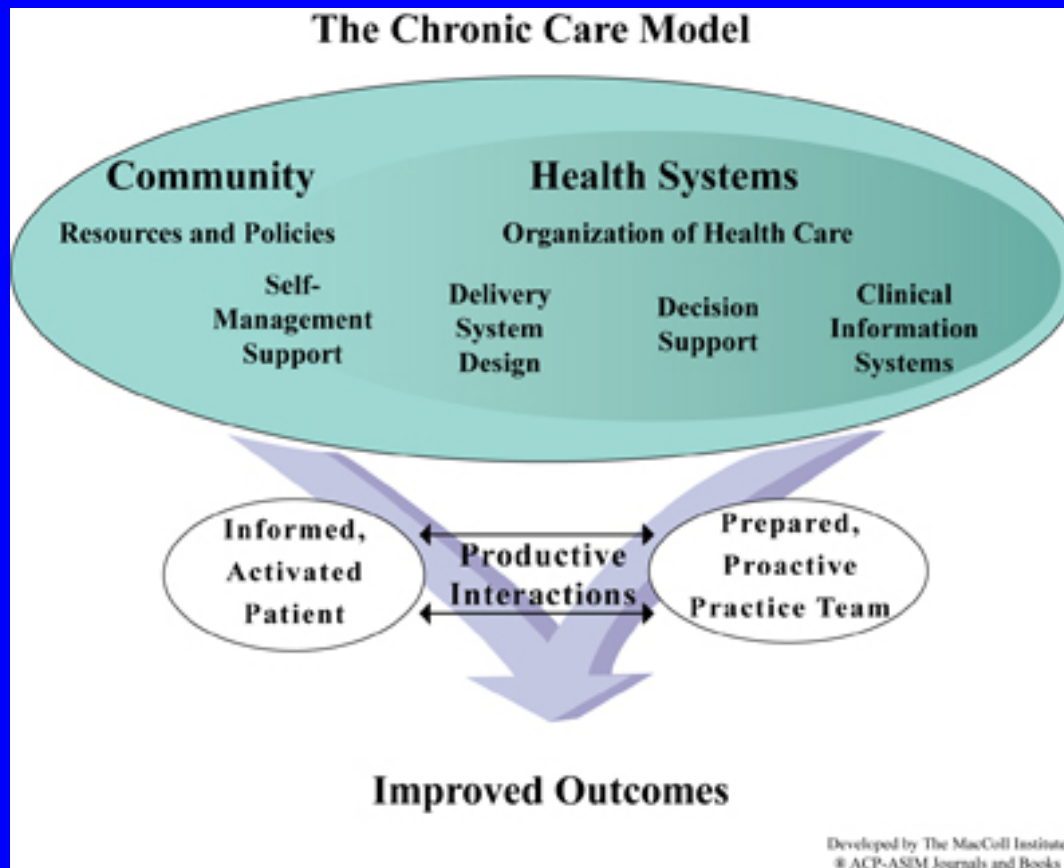
# Indian Health Council Overview:

## Background Information

- Medical Services
  - Internal Medicine
  - Pediatrics
  - OB/GYN (every other week)
  - Accupuncture (3 days a week)
  - Chiropractics (3 days a week)
  - Diabetes Clinic (every other week)
  - Podiatry (every Tuesday)
  - Well Child Clinic (every other week)



# The Chronic Care Model



# Chronic Care Model Components

- Community
- Health Systems
- Improved Outcomes

# Chronic Care Model Components

Community & Health Systems

Resources and Policies & Organization of Health  
Care

Self Management Support

Delivery System Design

Decision Support

Clinical Information Systems

# Chronic Care Model Components

## Community & Health Systems

### Identifying your Community

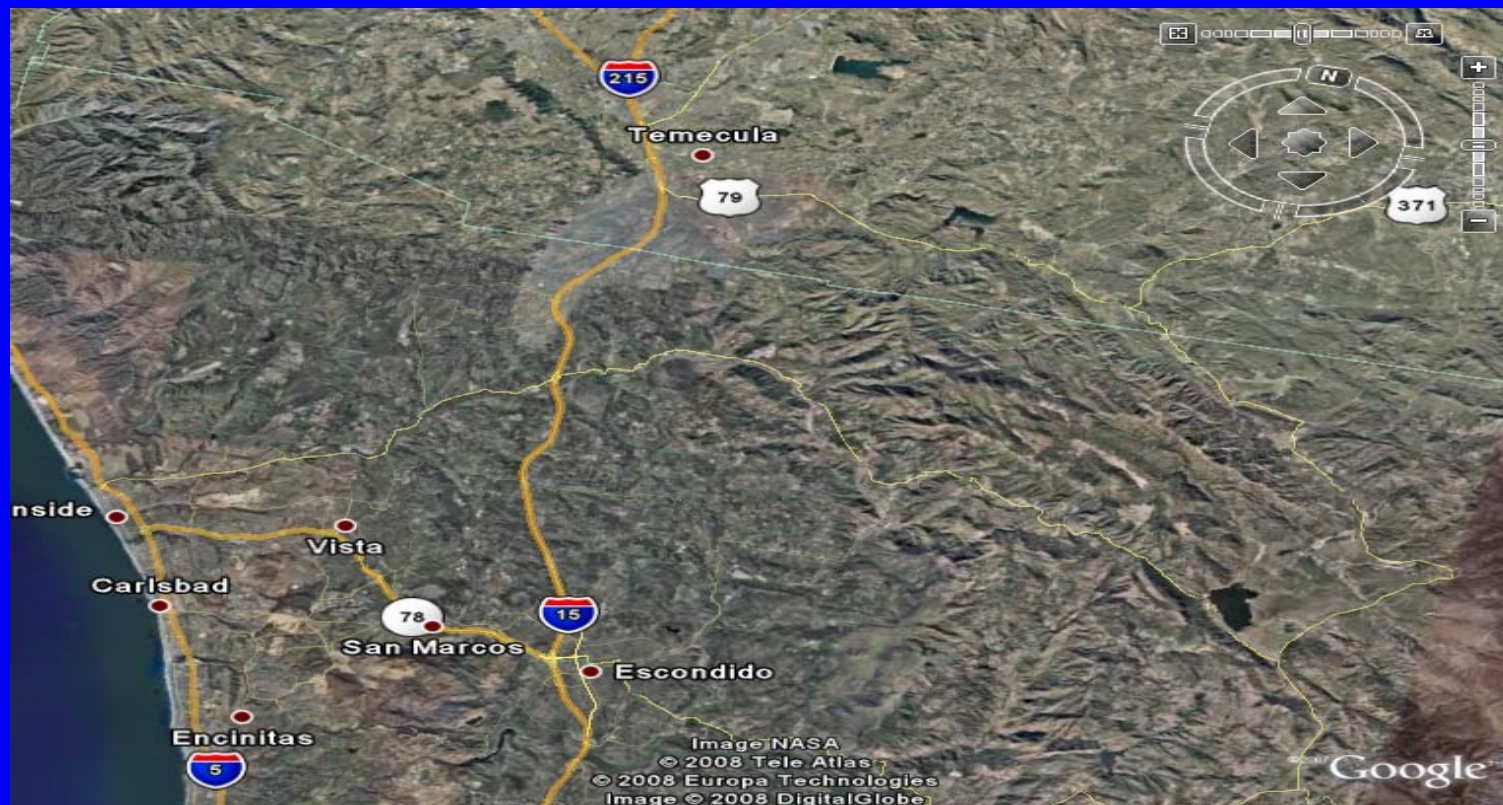
Rural

Mountainous

Valley

Urban

# Chronic Care Model Components: The Community



# Chronic Care Model Components

- Community
  - programs and organizations must be able to support and withstand an organizations health care system
  - Question which prevention strategies can be used or discarded

# Chronic Care Model Components

- Resources and Policies
  - Personnel
  - Infrastructure
  - Mission and Vision
  - Business Plan/Strategic Planning
  - Clear direction in Procedure & Policy

# Chronic Care Model Components

- Organization of Health Care
  - Health quality and improvement is an integral part of the organization
  - Quality is job one
  - Organizational Brevity
  - Active Partnerships/Consortia/Collaboratives



# Chronic Care Model

## Components:

### Decision Support

## Comprehensive Tx Guidelines

<http://www.ihs.gov/NonMedicalPrograms/NC4/nc4-clinguid.cfm>

|                |  |   |     |
|----------------|--|---|-----|
| Diabetes       | IHS Diabetes Standards of Care   | <a href="http://www.ihs.gov/MedicalPrograms/diabetes/IHS Diabetes Standards of Care 2006.pdf">http://www.ihs.gov/MedicalPrograms/diabetes/IHS Diabetes Standards of Care 2006.pdf</a>   | 30  |
| Hyperlipidemia | National Cholesterol Ed. Program... - <i>Adult Tx Panel III</i> (NCEP 3) | <a href="http://www.ihs.gov/generalweb/webapps/sitelink/site.asp?link_gov=http://www.nhlbi.nih.gov/guidelines/cholesterol/index.htm">http://www.ihs.gov/generalweb/webapps/sitelink/site.asp?link_gov=http://www.nhlbi.nih.gov/guidelines/cholesterol/index.htm</a> | 284 |
|                | Guidelines for the Treatment of Dyslipidemias in Native Americans        | <a href="http://www.ihs.gov/MedicalPrograms/cardiology/card/LipidGuidelines.pdf">http://www.ihs.gov/MedicalPrograms/cardiology/card/LipidGuidelines.pdf</a>   | 39  |
| Asthma         | National Asthma Education and Prevention Program                         | <a href="http://www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf">http://www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf</a>   | 153 |
| Hypertension   | JNC 7  | <a href="http://www.nhlbi.nih.gov/guidelines/hypertension/">http://www.nhlbi.nih.gov/guidelines/hypertension/</a>   | 104 |
| Depression     | MacArthur Foundation's Initiative on Depression and Primary Care         | <a href="http://www.depression-primarycare.org/">http://www.depression-primarycare.org/</a>   | 44  |

# Chronic Care Model Components: Decision Support

## IHS Local Treatment Guidelines

<http://www.ihs.gov/NonMedicalPrograms/NC4/nc4-guidesA-Z.cfm>

|                |                                     |   |    |
|----------------|-------------------------------------|---|----|
| Diabetes       | DM medication Guidelines (WR)       | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/DM%20Medication%20Guidelines%20(WR).xls">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/DM%20Medication%20Guidelines%20(WR).xls</a>     | 12 |
|                | DM Glucose Control Cards – Cherokee | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/DMGlucoseControlCards-Cherokee.doc">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/DMGlucoseControlCards-Cherokee.doc</a>               | 2  |
| Hyperlipidemia | Dyslipidemia Tx Guidelines (WR)     | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/Dyslipidemia%20Tx%20Guidelines%20(WR).xls">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/Dyslipidemia%20Tx%20Guidelines%20(WR).xls</a> | 8  |
|                | Dyslipidemia Cards - Cherokee       | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/DyslipidemiaCards-Cherokee.doc">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/DyslipidemiaCards-Cherokee.doc</a>                       | 2  |
| Asthma         | Asthma Cards - Cherokee             | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/AsthmaCards9-2004.pdf">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/AsthmaCards9-2004.pdf</a>   | 4  |
| Hypertension   | HTN Tx Guidelines (WR)              | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/HTN%20Tx%20Guidelines%20(WR).xls">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/HTN%20Tx%20Guidelines%20(WR).xls</a>                   | 4  |
|                | HTN & DM – Cherokee                 | <a href="http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/HTNDMCards-Cherokee.doc">http://www.ihs.gov/NonMedicalPrograms/NC4/Documents/HTNDMCards-Cherokee.doc</a>                                     | 2  |

# Chronic Care Model

## Components:

### Decision Support

#### Prevention Guidelines

|                      |  |   |
|----------------------|--|---|
| General Prevention   | United States Preventive Services Task Force (USPSTF)      | <a href="http://www.ahrq.gov/clinic/uspstfix.htm#Recommendations">http://www.ahrq.gov/clinic/uspstfix.htm#Recommendations</a>                         |
| Immunizations        | Advisory Committee on Immunization Practices – CDC         | <a href="http://www.cdc.gov/nip/acip/">http://www.cdc.gov/nip/acip/</a>   |
| Community Prevention | Guide to Community Preventive Services – CDC               | <a href="http://www.thecommunityguide.org/">http://www.thecommunityguide.org/</a>   |
| Falls in Elders      | Guidelines for the Prevention of Falls in Older Persons... | <a href="http://www.americangeriatrics.org/products/positionpapers/Falls.pdf">http://www.americangeriatrics.org/products/positionpapers/Falls.pdf</a> |
| Alcohol Misuse       | National Institute on Alcohol Abuse and Addiction (NIAAA)  | <a href="http://www.niaaa.nih.gov/">http://www.niaaa.nih.gov/</a>   |

# Chronic Care Model

## Components:

### Decision Support

## U.S. Preventive Services Task Force (USPSTF)

An independent panel of experts in primary care and prevention that systematically reviews the evidence of effectiveness and develops recommendations for clinical preventive services.

- [Recommendations](#)
- [Pocket Guide to Clinical Preventive Services, 2006](#)
- [Electronic Preventive Services Selector \(ePSS\)](#)
- [About the Task Force](#)
- [Archived Editions of the Guide](#)
- [More Information](#)

### New Releases

#### in Preventive Services

- [Aspirin/NSAIDs for Prevention of Colorectal Cancer \(March 2007\)](#)
- [Screening for Lead Levels in Childhood & Pregnancy \(January 2007\)](#)
- [Guide to Clinical Preventive Services, 2006 \(October 2006\)](#)

# Chronic Care Model Components

- Improved Outcomes
- Better Living
- Healthier Patients
- Happier Patients

# Patients: The X Factor



# The Chronic Care Model

Informed and Activated Patient ?

Prepared and Proactive Practice Team ?

Productive Interactions ?



# Chronic Care Model In Action: Delivery Systems

- During the fires, this proud elder arrives at the make shift clinic that is established. She states that she needs her medications. Calmly, the medical provider asks, “What medications are you taking?” The elder reaches into her purse and slams her hand onto the table and yells, “These are my medications!”



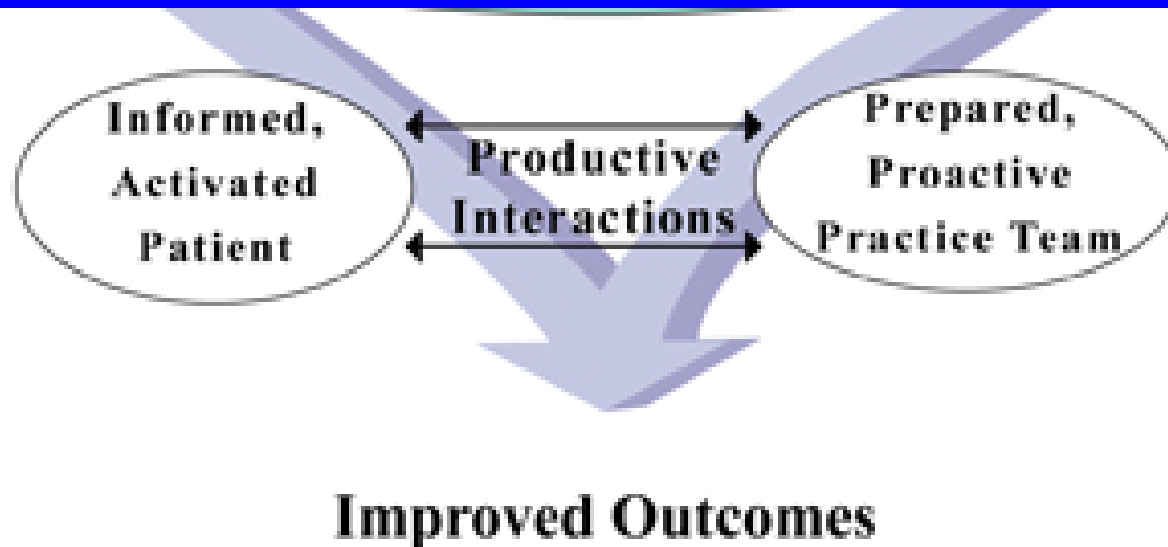
# Chronic Care Model In Action: Delivery Systems



# Chronic Care Model In Action: IHC's Microsystem

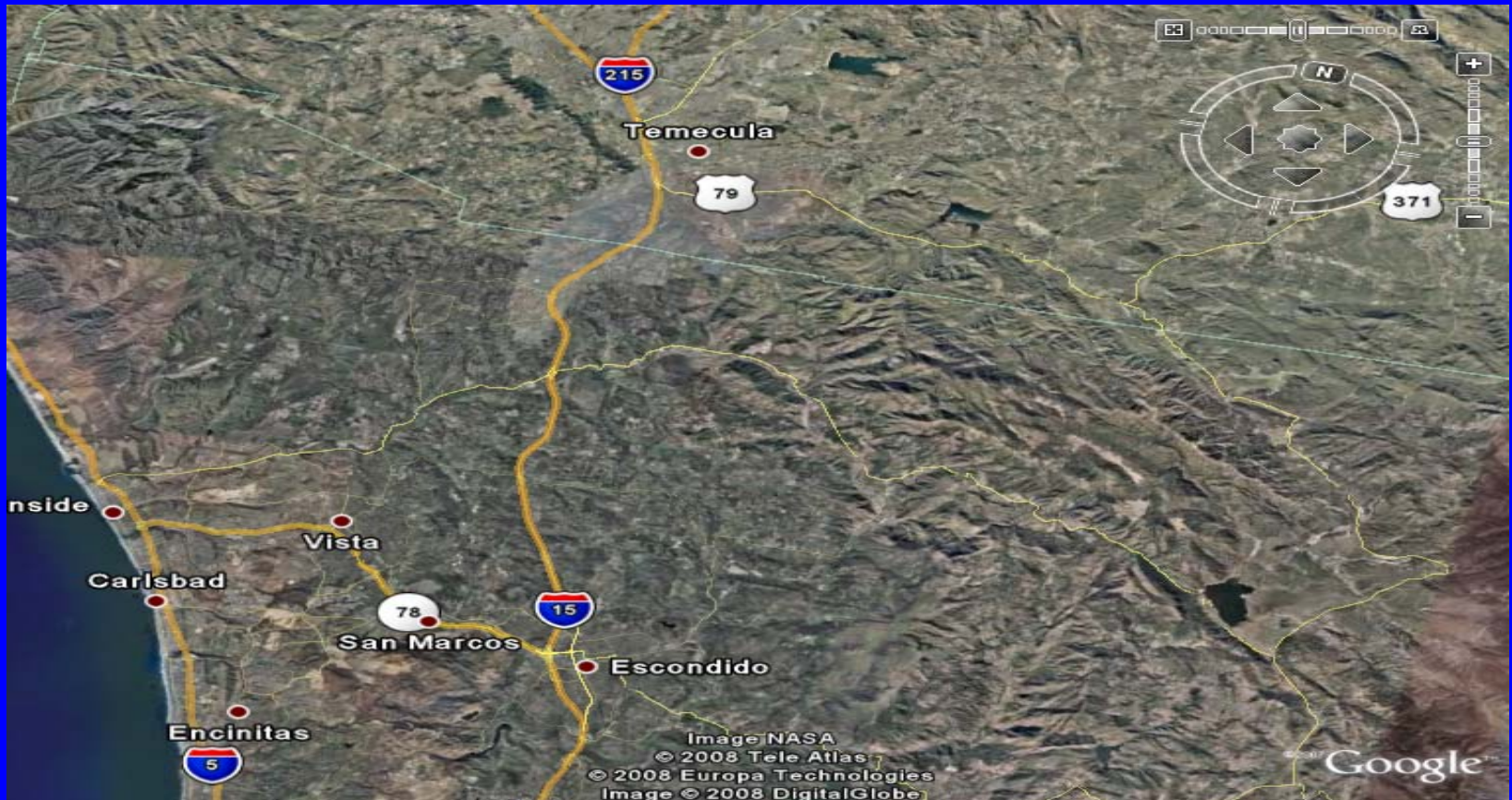
- Selection
  - Active clinical users with at least three visits in last year to Provider for microsystem
- Population
  - All ages
  - Across all conditions
  - 772 Patients
- Core Team
  - FNP
  - RN
  - Two MA's
- Support Staff
  - CMO, Leadership, Pharmacist, Community Health, Behavioral Health

# Chronic Care Model In Action: Dealing with the X Factor



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# Chronic Care Model In Action: Dealing with the X Factor



# Chronic Care Model In Action: The Team Huddle

- Team Huddle
  - Daily – First thing in the Morning
  - Use each team member to the highest of their ability
  - Move work away from the provider
  - Anticipate the clients needs
- Improvements
  - Move teams together
    - Allows for continuous communication among members

# Huddle Activities

- Review Clients for the day
  - Chart Review
    - Initially used GPRA Health Summaries from RPMS
  - Use of iCare started in June 2007
    - Review reminders
    - National Measures Met or Not met
  - Medication records and refill needs addressed
- Assign Duties
- Throughout day Huddle
  - Add Ons
  - Walk ins

# Clinical Information Systems: Empaneled Patient Population

- Process
  - Set goal for completion
  - Reviewed all visits in last 18 months
  - Assigned clients based on who they saw most frequently
  - Anticipate process will be fluid for next 12+months.
- Benefits
  - Continuity of Care
  - Set and track improvement goals for panel
  - Gives teams ownership of a patient population

# iCare National Measures

IHS iCare - DEMO, PATIENT O

File Tools Window Help

Quick Patient Search:

Name: DEMO, PATIENT O

HRN: 999993  
 SSN:  
 Gender: M  
 Age: 54  
 DOB: Apr 12, 1953  
 Perf Met? NO  
 Tribe: CHIPPEWA-CREE IND. ROCK BOY RES., MT  
 Community: POMONA  
 Address: 555 NOBODY CARES  
 POMONA, CALIFORNIA 99921  
 Phone: 000 444 1111  
 Alt. phone:  
 DPCP:  
 Case Mgr:

Insurance:

Barriers to Learning:

Cover Sheet | Flags | Reminders | **Natl Measures** | Face Sheet | Health Summary | Wellness Summary | Labs | Meds | Radiology | Problem List

Performance Glossary Patient National Performance Measures data from CRS  
 2007 current as of: Oct 06, 2007 06:52 AM

| Clinical Group    | Measure Name                   | Performance Status | Adherence Value |
|-------------------|--------------------------------|--------------------|-----------------|
| DIABETES          | Diabetes Dx Ever*              | NO                 |                 |
|                   | Documented A1c*                | N/A                |                 |
|                   | Poor Glycemic Cont >9.5        | N/A                |                 |
|                   | Ideal Glycemic Control <7      | N/A                |                 |
|                   | Controlled BP <130/80          | N/A                |                 |
|                   | LDL Assessed                   | N/A                |                 |
|                   | Nephropathy Assessed**         | N/A                |                 |
| DENTAL            | Retinopathy (All Sites)        | N/A                |                 |
|                   | Dental Access General Sealants | NO                 |                 |
|                   | Topical Fluoride-# Pts         | -                  |                 |
| IMMUNIZATIONS     | Influenza 65+                  | N/A                |                 |
|                   | Pneumovax Ever 65+             | N/A                |                 |
|                   | Active IMM 19-35 mos***        | N/A                |                 |
| CANCER-RELATED    | Pap Smear Rates 21-64          | N/A                |                 |
|                   | Mammogram Rates 52-64          | N/A                |                 |
|                   | Colorectal Cancer 51-80        | NO                 |                 |
|                   | Tobacco Cessation              | N/A                |                 |
| BEHAVIORAL HEALTH | FAS Prevention 15-44           | N/A                |                 |
|                   | IPV/DV Screen 15-40            | N/A                |                 |
|                   | Depression Screen 18+          | NO                 |                 |
| CVD-RELATED       | Children 2-5 w/BMI <=95%       | N/A                |                 |
|                   | IHD: Comp CVD Assessment       | N/A                |                 |
| OTHER CLINICAL    | Prenatal HIV Testing           | N/A                |                 |
| DIABETES          | BP Assessed                    | N/A                |                 |
|                   | Foot Exam                      | N/A                |                 |
|                   | Depression Screening           | N/A                |                 |
|                   | Comprehensive Care             | N/A                |                 |
|                   | Influenza Vaccine              | N/A                |                 |
|                   | Pneumovax Vaccine Ever         | N/A                |                 |
| DENTAL            | Top Fluoride-# Apps            | -                  |                 |
| IMMUNIZATIONS     | Active Clinical 19-35 mos      | N/A                |                 |
| CANCER-RELATED    | Tobacco Assessment 5+          | NO                 |                 |
|                   | Tobacco Use Prevalence         | N/A                |                 |
| CVD-RELATED       | BMI Measured 2-74              | NO                 |                 |
|                   | Assessed as Obese              | N/A                |                 |
|                   | Cholesterol Screening 23+      | NO                 |                 |

Selected Rows: 0 | Visible Rows: 77 | Total Rows: 77



# iCare Reminders

IHS iCare - DEMO, PATIENT O

File Tools Window Help

Quick Patient Search:

**Name:** DEMO, PATIENT O  
**HRN:** 999993  
**SSN:**  
**Gender:** M  
**Age:** 54  
**DOB:** Apr 12, 1953  
**Perf Met?** NO

**Tribe:** CHIPPEWA-CREE IND. ROCK BOY RES., MT  
**Community:** POMONA  
**Address:** 555 NOBODY CARES  
 POMONA, CALIFORNIA 99921  
**Phone:** 000 444 1111  
**Alt. phone:**  
**DPCP:**  
**Case Mgr:**

**Insurance:**

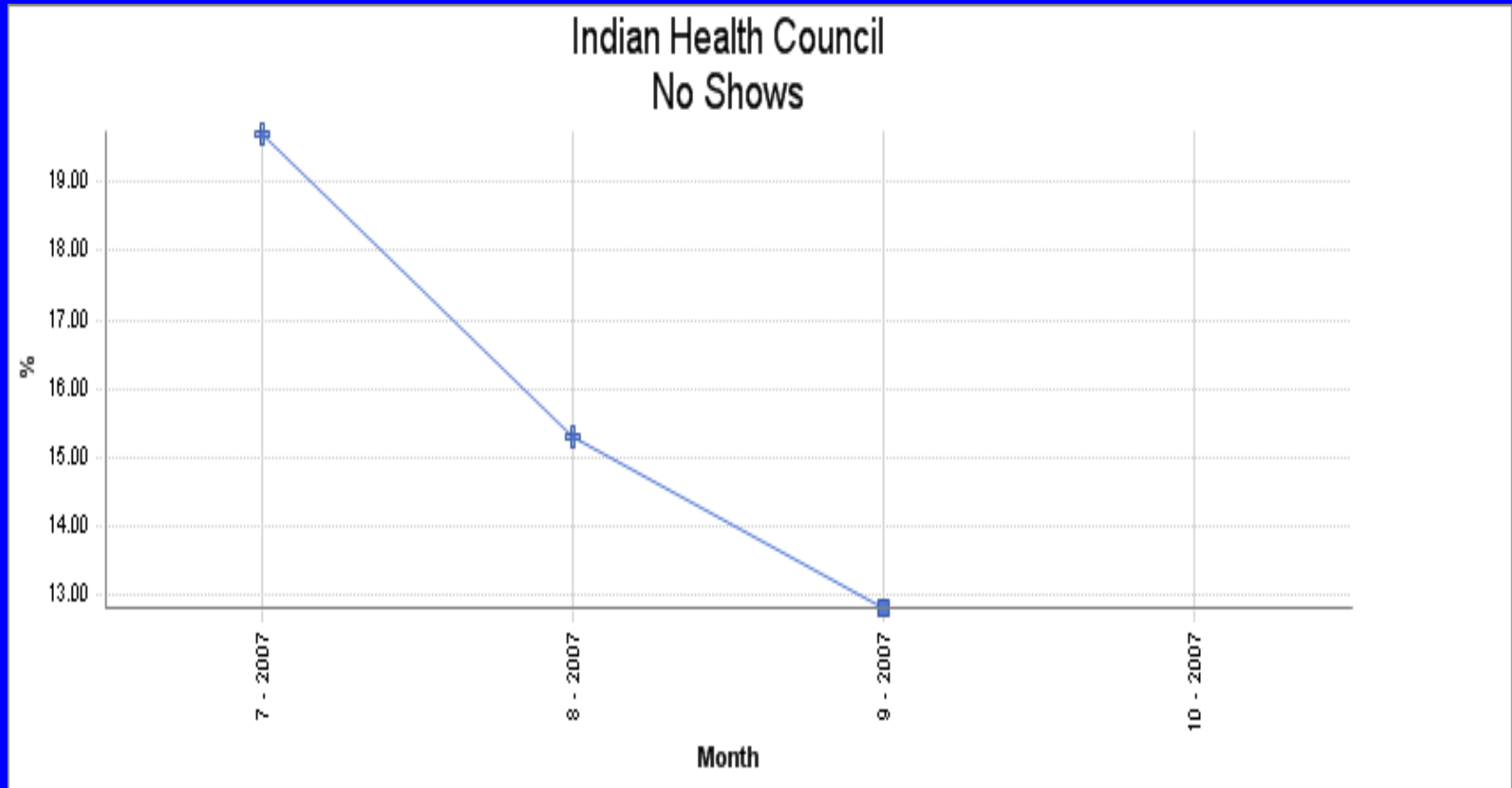
**Barriers to Learning:**

Cover Sheet Flags Reminders Natl Measures Face Sheet Health Summary Wellness Summary Labs Meds Radiology Problem List

| Reminder Name            | Due Date       | Next Due       | Last Date Performed |
|--------------------------|----------------|----------------|---------------------|
| Tdap                     |                | past due       |                     |
| FLU-SPLIT                |                | due            |                     |
| BLOOD PRESSURE           | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| HEIGHT                   | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| WEIGHT                   | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| PHYSICAL EXAM            | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| CHOLESTEROL              | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| RECTAL                   | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| TOBACCO USE SCREENING    | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| COLORECTAL CA-SCOPE/XRAY | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| COLORECTAL SCREENING     | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| COLORECTAL SCREENING     | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| TD-ADULT                 | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| ALCOHOL USE SCREENING    | ! Oct 06, 2007 | MAY BE DUE NOW |                     |
| DEPRESSION SCREENING     | ! Oct 06, 2007 | MAY BE DUE NOW |                     |

Selected Rows: 0 | Visible Rows: 15 | Total Rows: 15

# Microsystem No Show rates



# Goals to Results

- Set Goals which can be measured
- Measure Often
- Report Results
- Use data to identify areas of Improvement
- Engage Staff and Community

# PCC FORM UPDATED

Updated 11/6/2007

| Allergies:  |  |       | Indian Health Services Indicators        |  |                              |                              |               |
|---|--|-------|--|--|------------------------------|------------------------------|---------------|
| Smoker: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Previous  |  |       | <b>EDUCATION</b>                         |  | <b>Understanding</b>         | <b>Goal Set Goal Met/Not</b> | <b>Code</b>   |
| Exposure to environmental Smoke: <input type="checkbox"/> Yes <input type="checkbox"/> No   |  |       | Diabetic 15 30 45 60 min                 |  | G F P R                      | GS GM GNM                    |               |
| Snellen 99173   |  |       | Initial Assessment Nutrition Each 15 min |  | G F P R                      | GS GM GNM                    | 97802         |
| Correct: <input type="checkbox"/> Uncorrected: <input type="checkbox"/>   |  |       | Re-assessment Nutrition Each 15 min      |  | G F P R                      | GS GM GNM                    | 97803         |
| L <input type="checkbox"/> R <input type="checkbox"/> Both <input type="checkbox"/>   |  |       | Nutrition 2 or more people Each 30 min   |  | G F P R                      | GS GM GNM                    | 97804         |
| O2 SAT RA <input type="checkbox"/>  | Peak Flow <input type="checkbox"/> Pre <input type="checkbox"/> Post |       | Nutrition other                          |  | G F P R                      | GS GM GNM                    |               |
| LO2 <input type="checkbox"/>  | 94010  |       | Tobacco Cessation                        |  | G F P R                      | GS GM GNM                    | V65.3         |
| Neb Tx <input type="checkbox"/> 94640   | Temp   |       | HIV                                      |  | G F P R                      | GS GM GNM                    | V65.44        |
| 2nd <input type="checkbox"/> 09976  |  |       | STD                                      |  | G F P R                      | GS GM GNM                    | V65.45        |
| Ht.   | Wt.  | BMI   | Contraception/Family Planning            |  | G F P R                      | GS GM GNM                    | V25.09        |
| B/P   | Pulse  | Resp. | Medication Education                     |  | G F P R                      | GS GM GNM                    | V65.49        |
| Diabetics <input type="checkbox"/> Foot Exam <input type="checkbox"/> Normal <input type="checkbox"/> Abn <input type="checkbox"/> Ref to Pod |  |       | Wound Care Site                          |  | G F P R                      | GS GM GNM                    |               |
| <input type="checkbox"/> SMBG <input type="checkbox"/> Yes <input type="checkbox"/> No  |  |       | Patient Ed Other                         |  | G F P R                      | GS GM GNM                    |               |
| Chief Complaint   |  |       | <b>SCREENINGS</b>                        |  | <b>COMPLETED</b>             |                              | <b>RESULT</b> |
| Diagnosis   |  |       | Depression Screen PHQ 2 – PHQ 9          |  | YES NO R                     |                              |               |
|   |  |       | DV Screening use pt. ed. code            |  | YES NO R                     | NEG POS HX                   | PED           |
|   |  |       | ETOH Screening – CAGE                    |  | YES NO R                     | 0/4 1/4 2/4 3/4 4/4          |               |
|   |  |       | Cancer Screenings                        |  | Note: (Offered/Referral etc) |                              |               |
|   |  |       | Breast Cervical Colon Testicular         |  |                              |                              |               |
| Progress Note   |  |       | Physical Exam                            |  |                              |                              |               |

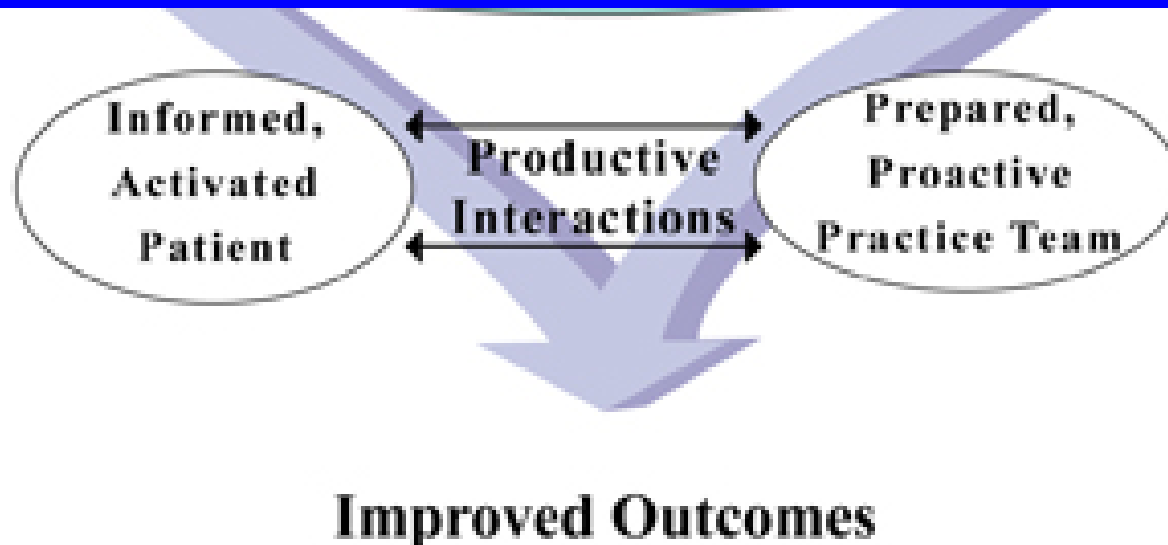
# Improvement Efforts

- Completed manual audit to address perceived data discrepancies.
- Realization that all outside referrals, procedures and hospitalizations/ER visits are not entered into system.
- Post audit - manually entered historical data for colonoscopies.
- Started training staff, particularly those who receive data first (Health Information), in data entry of outside events.
- In-serviced staff on findings.

# Delivery Systems

- Process Mapping
- Pharmacy Refill Process
  - Problem – Complaints re: length of time to refill meds
  - Patient Satisfaction issue
- Mapping Process
  - Initial Map had 49 steps
  - Goal set to eliminated 50% of steps

# Chronic Care Model In Action: Dealing with the X Factor



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# How do we Screen for Cancer

- INREACH
- Charts are reviewed during huddles for delinquencies (each team member is active in reviewing chart – MA, RN, and Provider)
- Starting to use iCare for huddles.
- Anyone due for follow up is reminded during work up and then again by provider during face to face visit.



# How do we screen for Cancer

- OUTREACH
- Microsystem nurse generates reports on delinquencies.
- Shares reports with team members – reminder letters mailed.
- Community Health – PHN's and CHR's use lists and use in planning home visits. Will be adding iCare to work stations in Community Health so that reminders and natl measures can be reviewed prior to the visit and then in turn drive the visit.

# Chronic Care Model: Improved Outcomes

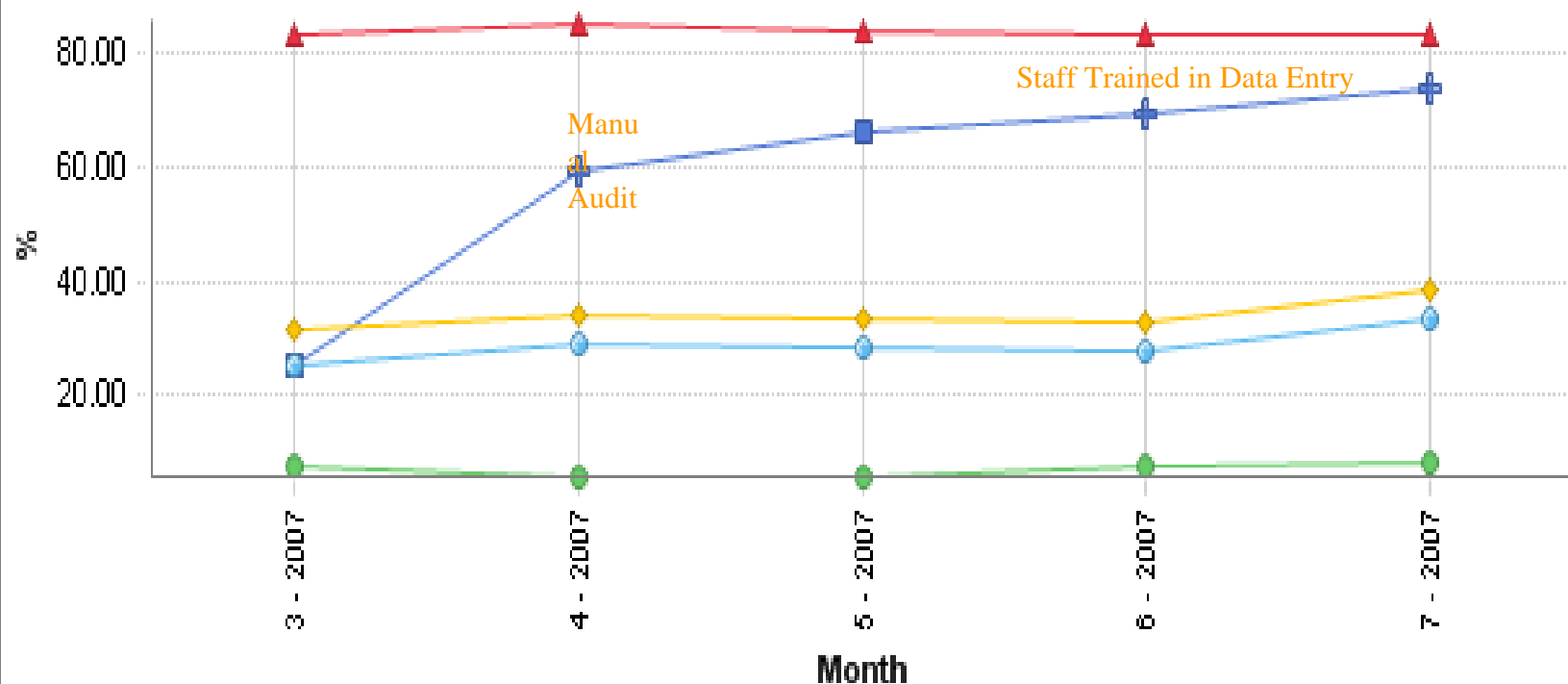


**Improved Outcomes**

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# Colorectal Cancer Screening

## Colorectal cancer screening



■ Indian Health Council

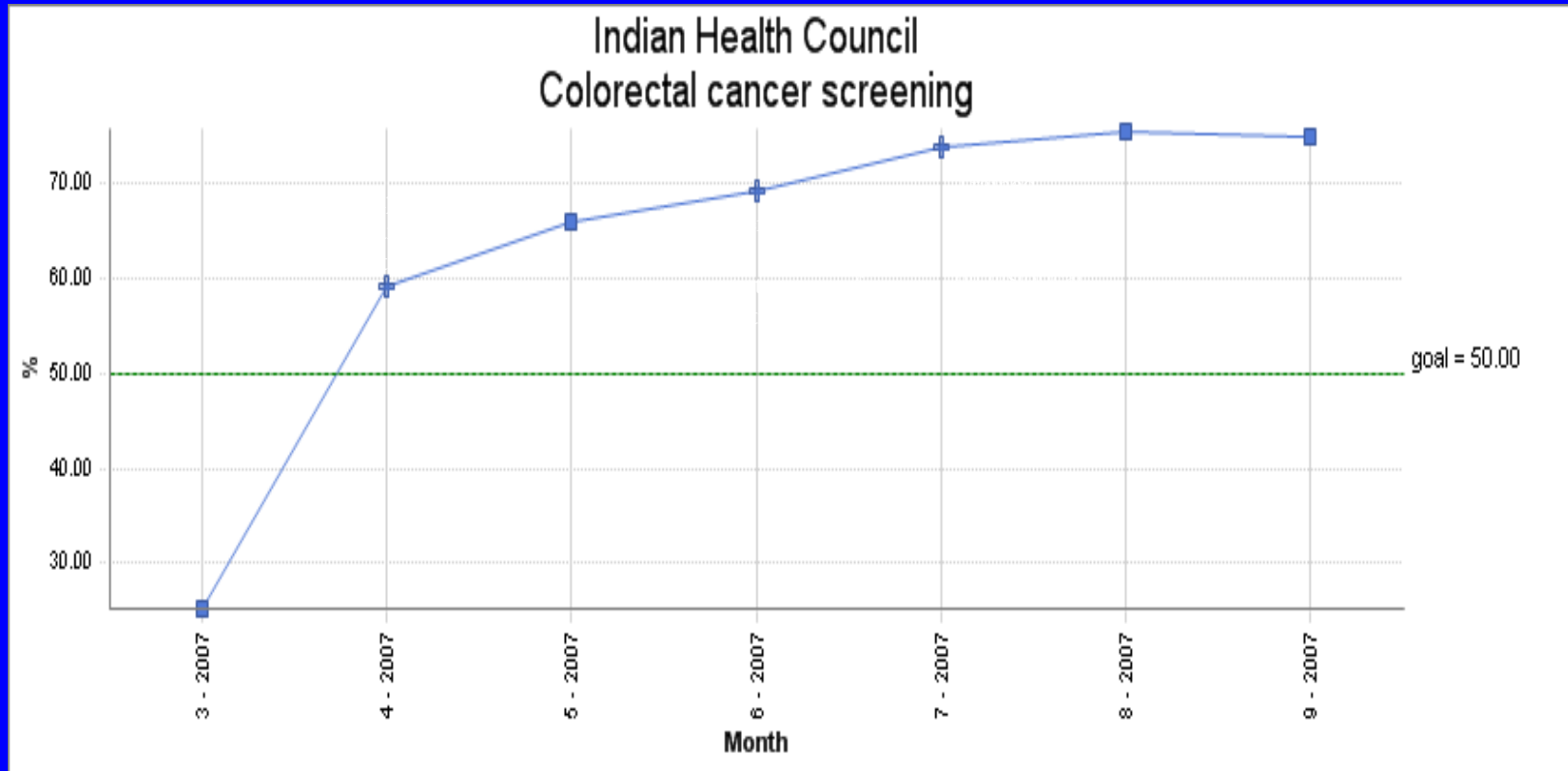
● min

▲ max

◆ average\_team

● median

# Improved Outcomes: Colorectal Screening



# Next Steps

- Using data to drive the visit
- Changes made to PCC+ form to capture screening data points
- Monthly reporting to determine Improvement needs
  - Reports keep team abreast of where improvements are needed
- Spread
  - iCare added to work stations throughout Medical Department and Community Health Department
  - Additional teams set up
    - Trained on Huddles
    - Use of iCare

# Outside Referrals

- Colon Cancer Screens and diagnostic mammograms are generally referred out.
- Provider writes necessary referrals
- Nurse Case Managers schedule the appointments
- Medical Records staff follows up on collecting reports
- Results are given to ordering provider to sign off.
- OOOPPS – who enters the data??? Now training staff to enter outside data.

# Negative Screens

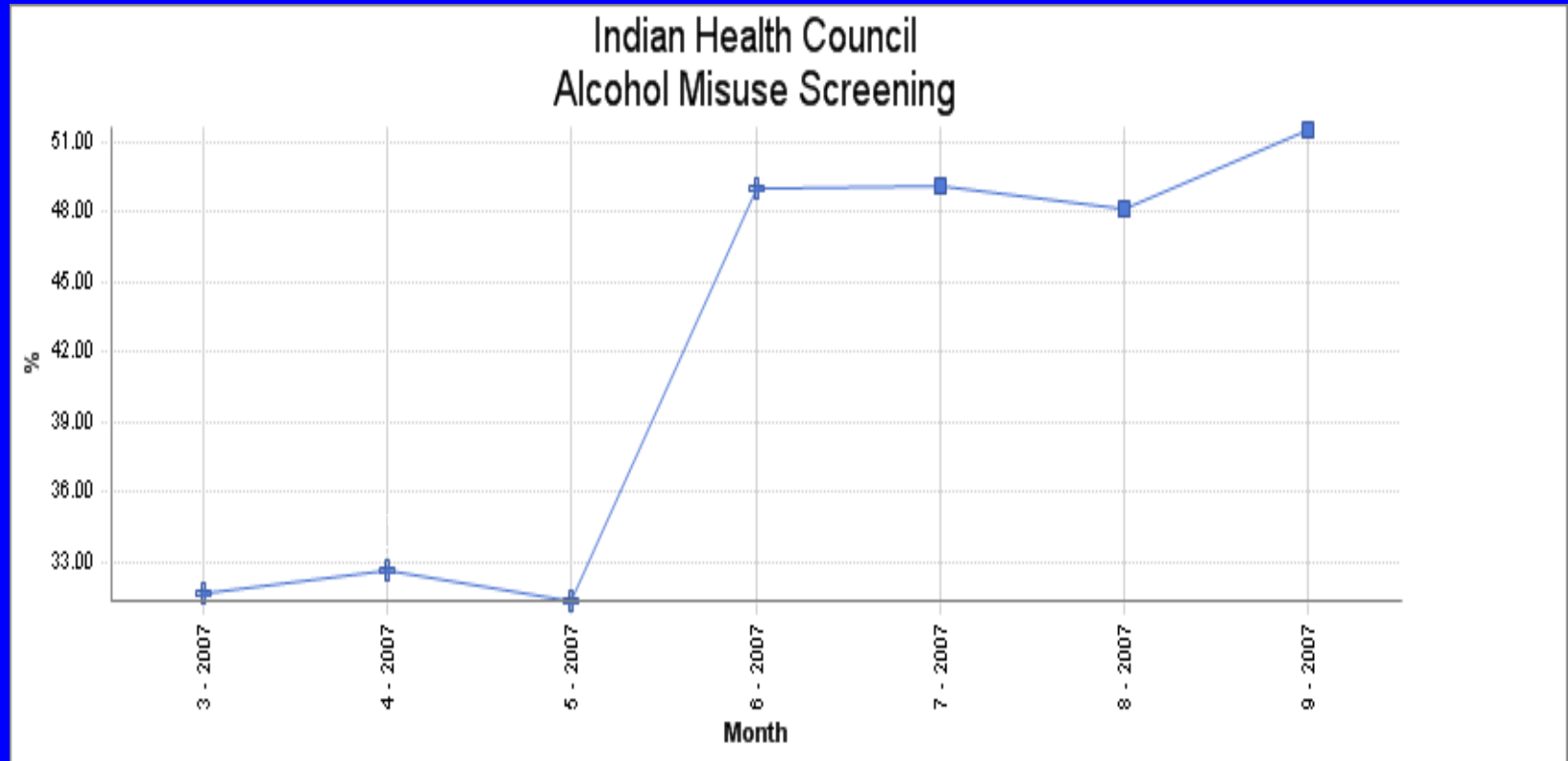
- Clients are entered into data base with follow up needs and timeframe ie: 1yr, 6mo, 3mo etc.
  - This completed for
    - Mammograms
    - Paps Screens
    - Diabetic Eye Exams
    - Diabetic Foot Exams
    - Immnuizations
    - Laboratory Tests
    - Just started with Colonoscopies
    - iCare also prompts reminders for all Cancer screens as well as tobacco, domestic violence and depression screens.
- (Note: although these are all available staff not consistently using health summaries and reminders in planning for visit)

# Positive Screens

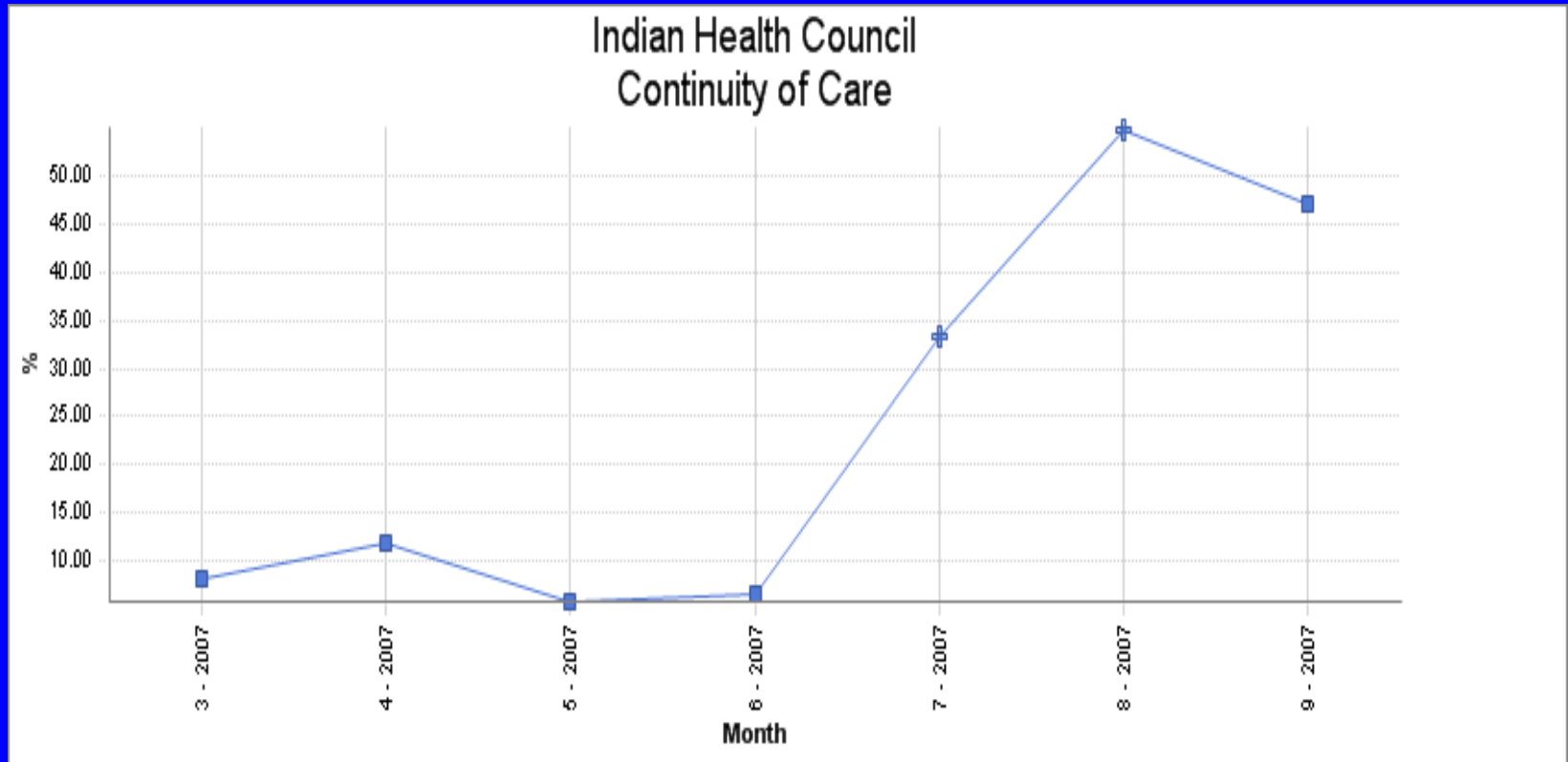
- Protocols in place, using evidence based guidelines, for positive Mammograms and Pap Smears – nurse case managers coordinate necessary follow up.
- Providers make recommendations for positive colon cancer screens – nurse case managers coordinate services.



# Improved Outcomes: Alcohol Screening



# Improved Outcomes: Continuity of Care



# Delivery Systems



# Automating the Process

RxRefills - [Process Refill Requests]

File Edit View Insert Format Records Tools Window Help Adobe PDF Type a question for help

Arial 9 B I U

Prescriber: [Dropdown]

| Refill Information |                |                | Prescription Information |                |  |
|--------------------|----------------|----------------|--------------------------|----------------|--|
| Prescriber         | Date Requested | Time Requested | Patient Name             | Rx Number      |  |
| CALAC D            | 11/6/2007      | 11:36:14 AM    | SCHOSTAG ROBERT          | 515300         |  |
| Comments           |                |                | Date Of Birth            | Medical Record |  |
| [Text Area]        |                |                | 12/21/1950               | [Text Area]    |  |
| Select Approver    | Approved By    |                | Drug Name                |                |  |
| [Dropdown]         | [Text Area]    |                | TABLET CUTTER            |                |  |
| Refills Approved   | Entered By     |                | Directions               |                |  |
| 0                  | [Text Area]    |                | UUD                      |                |  |
| Enter Password     | Quantity       |                | Last Fill                | First Fill     |  |
| [Text Area]        | 1              |                | 8/7/2007                 | 8/7/2007       |  |
| Deny               |                |                |                          |                |  |

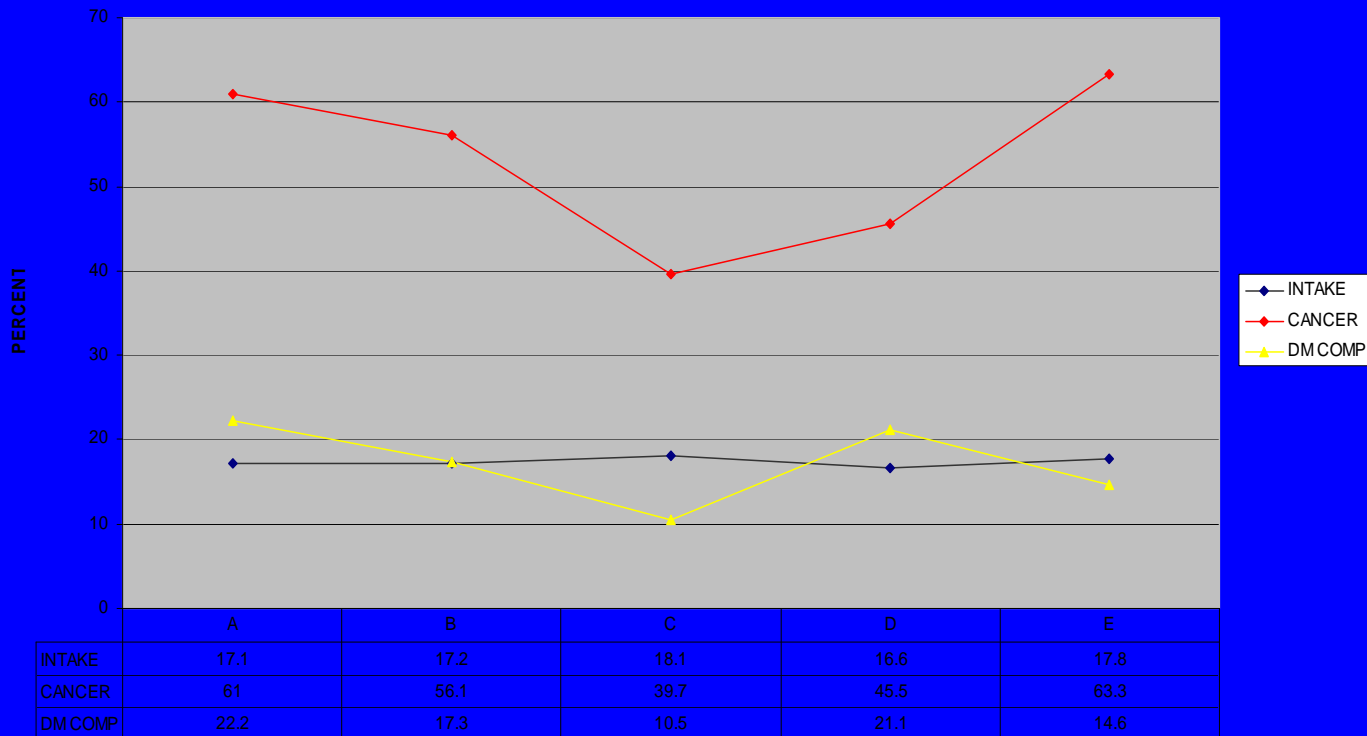
Request Number 2 Of 5 Refill Requests For  
MD: CALAC D Pt: SCHOSTAG ROBERT

Navigation: [Back] [Left] [Right] [Forward] [Print] [STOP]

Form View NUM

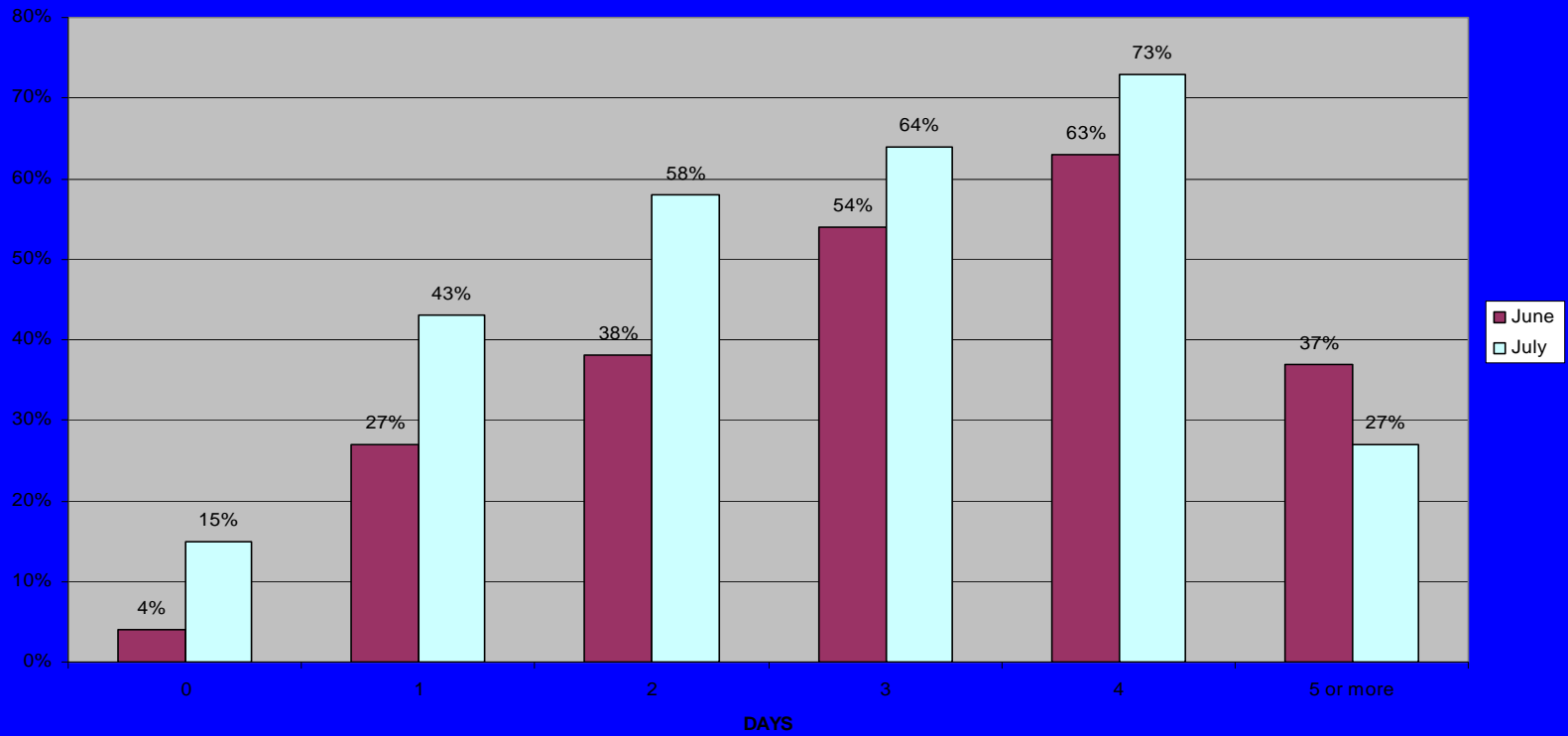
# Results

BUNDLE MEASURES NOV 2007



# Results

## PHARMACY REFILLS



# Look What We Are Doing

Add picture of display board in main lobby



# Outcomes

- By looking at process from start to finish
  - Identified multiple areas of waste and duplication
  - Process affected staff across departments
- Tested and made changes to delivery system process with noted improvement
- Continue to refine process
  - Automated process using Access Program being tested now.



# STRUGGLES – We all have them

- Keeping Leadership and Community informed
  - Keep it short and to the Point
    - Use Extranet report assessment and summary page
  - Make it visual
    - Graphs with annotations – show where changes are made and the outcomes – good or bad.
  - Post your efforts for all to see
    - Keep your results Updated

# Questions



# Contact Info

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