

<p>CCG/WG</p> <ul style="list-style-type: none"> • Primary Care CCG
<p>Clinical Practice</p> <ul style="list-style-type: none"> • Identification, Evaluation, and Management of Coccidioidomycosis in Adult Outpatients
<p>Measures</p> <ul style="list-style-type: none"> • <u>Measure 1</u>: Rate of serologic testing for coccidioidomycosis • <u>Measure 2</u>: Percentage of coccidioidal serologic tests with positive result • <u>Measure 3</u>: Rate of newly diagnose of Cocci happened in outpatient setting (clinic & urgent care). • <u>Measure 4</u>: Percentage of Referral Use for Cocci patients • <u>Measure 5</u>: Average number of prescriptions of antibacterial drugs • <u>Measure 6</u>: Ratio of rate of positive result to Test rate • <u>Measure 6</u>: Alert firing rate for patients who were newly diagnosed of Cocci (On hold)
<p>Measure Intent</p>
<p>Units of Measure/ Report</p> <ul style="list-style-type: none"> • Percentage • Percentage • Percentage • Percentage • Counts • Percentage
<p>Frequency of Update</p> <ul style="list-style-type: none"> • Daily
<p>Measure Definition/Calculation</p> <p><u>Measure 1: Rate of serologic testing for coccidioidomycosis</u></p> <p><u>General definition</u>: Rate of serologic testing for coccidioidomycosis</p> <ul style="list-style-type: none"> • <u>Numerator</u>: Number of patients in denominator who had serologic testing for coccidioidomycosis in Clinic (or Urgent care) • <u>Denominator</u>: Clinic (or urgent care) Patients who were not diagnosed as Cocci or had no positive Cocci screen test result in the past. • Exclusion: pediatric patients <p><u>Measure 2: Percentage of coccidioidal serologic tests with positive result</u></p> <p><u>General definition</u>: Percentage of coccidioidal serologic tests with positive result</p> <ul style="list-style-type: none"> • <u>Numerator</u>: Patients in the denominator who had serologic testing with positive result • <u>Denominator</u>: Clinic (or urgent care) Patients who had serologic testing for coccidioidomycosis in Clinic (or Urgent care) • <u>Report levels</u>: physician-specific and for the practice as a whole • Exclusion: pediatric patients

Measure 3: Rate of newly diagnosis of Cocci happened in outpatient setting

General definition: Percentage of patients with newly diagnose of Cocci in clinic (or urgent care)

- Numerator: patients in denominator who were newly diagnosed in outpatient setting (clinic/urgent care)
- Denominator: Patients with newly diagnosis of cocci
- Exclusion: pediatric patients

Measure 4: Percentage of Referral Use for Cocci patients

General definition: Percentage of clinic (or urgent care) patients with newly diagnosed coccidioidomycosis that are referred to Infectious Diseases or Pulmonary consultation

- Numerator: Patients in denominator who were referred for infectious diseases or pulmonary consultation
- Denominator: Patients with newly diagnosis of cocci and positive test results between 30 days prior to 60 days after the diagnosis in Clinic (or urgent care)
- Exclusion: pediatric patients

Measure 5: Average number of prescriptions for antibacterial drugs

General definition: Average number of prescription orders for antibacterial drugs for clinic (or urgent care) patients within 2 months before they were newly diagnosed of cocci

- Numerator: Patients in denominator who had antibiotics used in the last 2 months
- Denominator: Patients with newly diagnosis of cocci and positive test results between 30 days prior to 60 days after the diagnosis in Clinic (or urgent care)
- Exclusion: pediatric patients

Measure 6: Alert firing Rate (On hold)

General definition: Patients with newly diagnosis of cocci Who had alert fired.

- Numerator: Patients in denominator who had Cocci alert filed.
- Denominator: Patients with newly diagnosis of cocci and positive test results between 30 days prior to 60 days after the diagnosis
- Exclusion: pediatric patients

Measure 6: Ratio of rate of positive result to Test rate

General definition: Ratio of rate of serologic testing for Coccidioidomycosis to Percentage of Coccidioidal serologic tests with positive result

- Numerator: Percentage of serologic testing for Coccidioidomycosis
- Denominator: Percentage of Coccidioidal serologic tests with positive result
- Exclusion: pediatric patients

Notes:

- Patients with newly diagnosis of cocci

Definition: patients who had first diagnosis of cocci (without active Cocci screen test result or diagnosis of Cocci in the past 12 months) and also had positive test results between 30 days prior to 60 days after the diagnosis

- All the metrics only report for Arizona area, western region is excluded.

Additional Notes:

1. Recommended serologic testing for Cocci screening:

| Cocci Screen with reflex to CF Titer when indicated (RL)

Cocci Comp Fix Only (RL)
 Cocci Screen with reflex to CF Titer when indicated (RL)
 Cocci, CSF, IgG (RL)
 Coccidioides Monitoring Panel (RL)
 Coccidioides Screen w/IMDF Confirmation (RL)
 alendronate-cholecalciferol 70 mg-2800 intl units oral tablet
 alendronate-cholecalciferol 70 mg-5600 intl units oral tablet

CODE_VALUE	DISPLAY
694326	Cocci Screen with reflex to CF Titer whe
694789	Coccidioides Screen w/IMDF Confirmation
694827	Cocci Comp Fix Only
694845	Coccidioides Compliment Fixation CSF
3080042	Cocci Compliment Fixation (UC-Davis)
3082256	Cocci, CSF, IgG
86195632	Coccidioides, Ab, Fluids, Comp Fix
521144569	Reflex COCCI Immunodiffusion Confirmatio
3154507141	Coccidioides Monitoring Panel (RL)

2. Lab result of Cocci screening can be captured from the following power chart:

CODE_VALUE	DISPLAY
711599	Cocci Comp Fix, CSF
5775023065	Coccidioides Ab, IgG (HX)
5775023083	Coccidioides Ab, IgM (HX)
3107000	Coccidioides Ab-IgG, CSF
711401	Coccidioides Comp Fix
5775023047	Coccidioides Complement Fixation (HX)
711403	Coccidioides EIA Ab, CF (Typically IgG)
3107222	Coccidioides EIA Ab, TP (Typically IgM)
5181873899	Coccidioides IgG TL Result
5181878343	Coccidioides IgM TL Result
524868302	Coccidioides IMDF Ab, IgG (CF)
524868309	Coccidioides IMDF Ab, IgM (TP)
4370055395	Current Coccidioides Titer (Comp Fix)
3154141661	Previous Coccidioides Titer (Comp Fix)

3. X-Ray test
 | 71046 Chest PA + Lat

4. Antibiotic orders:

CODE_VALUE	DISPLAY
3109271	amoxicillin-clavulanate
3109365	AZITHromycin
3103837	cefdinir
3108283	doxycycline
3102939	levofloxacin

5. Trigger for alert
Diagnosis codes:?
Antibiotic prescriptions above

Availability of Measure Information

Measure is available in tableau developer server from Jul 2018
https://tableaudev.bannerhealth.com/#/site/Banner_Health/workbooks/838/views

Patient Detail

Metrics

- **Fields in Drill-down Report**
 - Person_id
 - Patient name
 - Patient DOB
 - Age
 - Region
 - Primary Care Clinic
 - Primary care provider(PCP)
 - Diagnosis
 - Diagnosis date/time
 - Test date
 - Test result
 - Counts of antibiotic prescriptions
 - Alert flag (yes/no)
 - Referral order
 - First Referral date/time

- **Filters in the dashboard**
 - (Yes/No)
 - Region
 - Primary Location (clinic)
 - PCP

Metrics summary will be available at region level and then be available to be drilled into clinics/physician/ patients level.

The dashboard will display all cases in the denominator and cases will be highlighted green if they passed the metric (Flag=Yes) and red if they failed the metric (Flag=No).

Data Source(s)

- Cerner/Nexgn

Tracking and Reporting Responsibility

- Executive Sponsor:
- Ops Leads: John N Galgiani MD
- QI: Julie Kesteloot, Vicki Lickteig
- Data Owner: Jie(Jane) Pu, Clinical Performance Analyst Associate

Historical Baseline Data:

Will be available on Tableau Developer Dashboard (temp)

Link:

Tips: How to download data from dashboard as Excel/CSV file

Step 1. Go to “Download” on the top of the sheet, if “Crosstab” option is gray, click any blank area on the sheet,



Step 2. Then the “Crosstab” option will be available



Step 3. Click “Crosstab” and choose “download” in the popped window, to download it.

<div data-bbox="207 195 690 409"> <p>Download Crosstab</p> <p>The crosstab has been generated.</p> <p>Cancel Download</p> </div>			No AWV C
			No AWV C
			No AWV C
			No AWV C
			No AWV C
DOUGLAS	11/29/1948	11/1/2013	No AWV C
KATHERINE..	10/1/1928	9/1/1993	No AWV C
ONALD	11/6/1944	1/1/1998	No AWV C

Targets/DD:

- Rate of serologic testing for coccidioidomycosis (desired direction:?)
- Percentage of coccidioidal serologic tests with positive result (desired direction: Up)
- Rate of newly diagnose of Cocci happened in outpatient setting. (desired direction: Up)
- Percentage of Referral Use for Cocci patients (desired direction: Up)
- Average number of prescriptions for antibacterial drugs (desired direction: Down)
- Alert firing rate for patients who were newly diagnosed of Cocci (On hold)

Description Sheet Completed by

- Jie(Jane) Pu, Clinical Performance Analyst Associate