Improving Depression Screening in Primary Care with Health IT

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Presenters

UCLA Health by the Numbers

4 hospitals

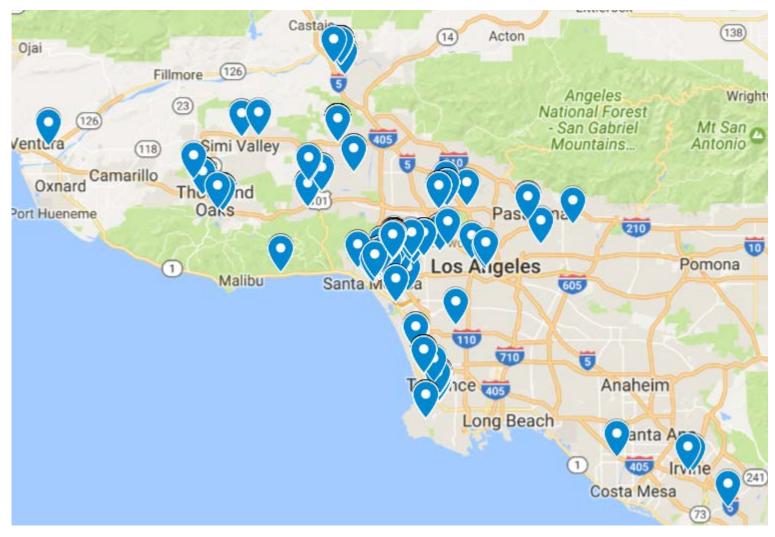
795 inpatient beds

60,000 hospital encounters

250+ outpatient practices

30+ specialties

- 1.9 million ambulatory visits per year
 - 310,000 primary care population
 - 59% patients in plan where UCLA shares some risk
 - 208,000 specialty care population





Why This Matters:

Patient Story



Depression Prevalence in Primary Care

- Leading cause of disability worldwide
- Each year, 26% of adults and 20% of children have a diagnosable behavioral health disorder, and more Americans receive behavioral health from Primary Care providers than mental health specialists

UCLA Grand Challenge: Depression

 A multifaceted effort to cut burden of depression in half by 2050, and eliminate it by end of the century

Accountable Care Organizational Goals:

- PREV-12: Screen patient for depression with age appropriate tool and document follow-up if positive.
- MH-1: Achieve depression remission <u>12 months</u> after the initial diagnosis

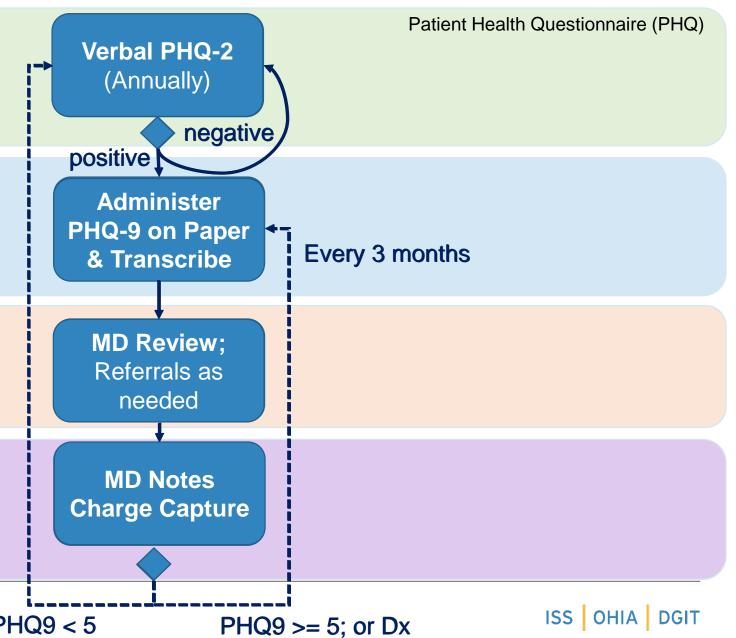
Depression Screening Workflow: Operational Standard

Screening: For adults ages 18 and up without prior depression risk factors, a verbal PHQ-2 is administered annually, upon rooming.

Diagnostic Evaluation: If either of the questions on PHQ-2 is positive, then a PHQ-9 is administered and documented for provider review.

Follow-Up: Provider conducts appropriate evaluation and management based on PHQ-9 score.

Documentation & Charging: Provider documents in notes and drop charges

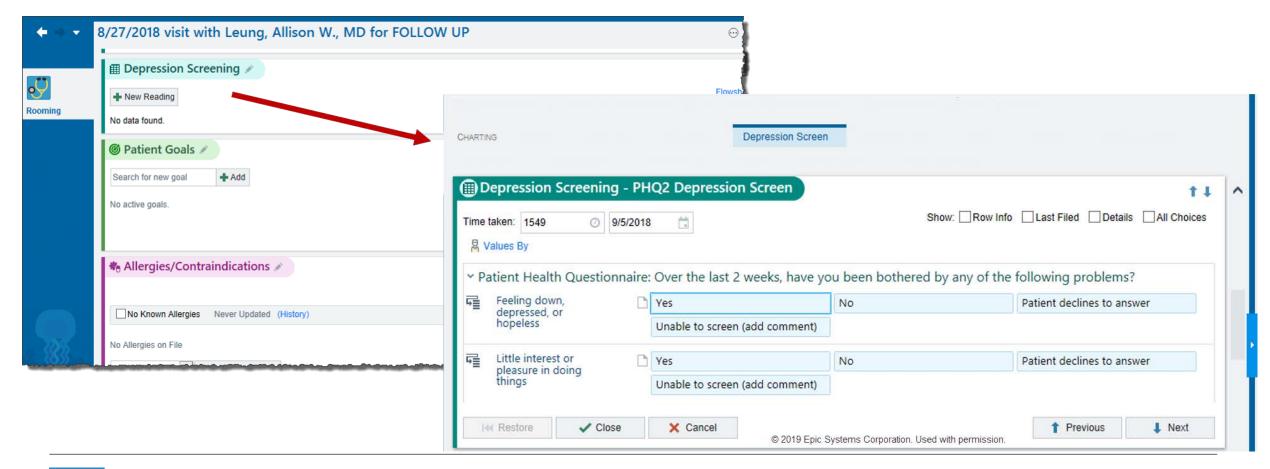




Pre-Intervention: Screening

Verbal PHQ-2 (Annually)

Passive reminder during Rooming process, displays the appropriate PHQ tool due.

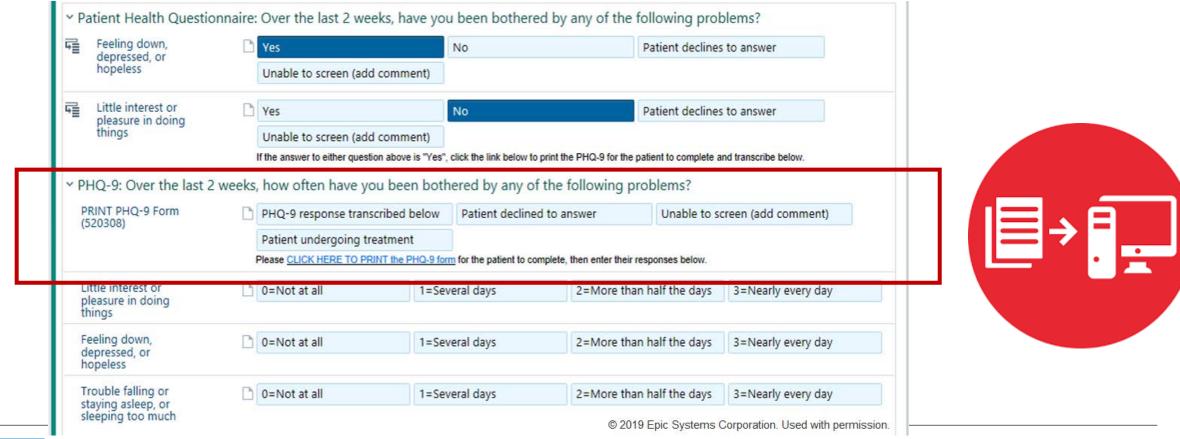




Pre-Intervention: Diagnostic Eval

Administer
PHQ-9 on Paper
& Transcribe

 If PHQ-9 is indicated, staff prints PHQ-9 form for patient to complete in private and transcribes back into EHR

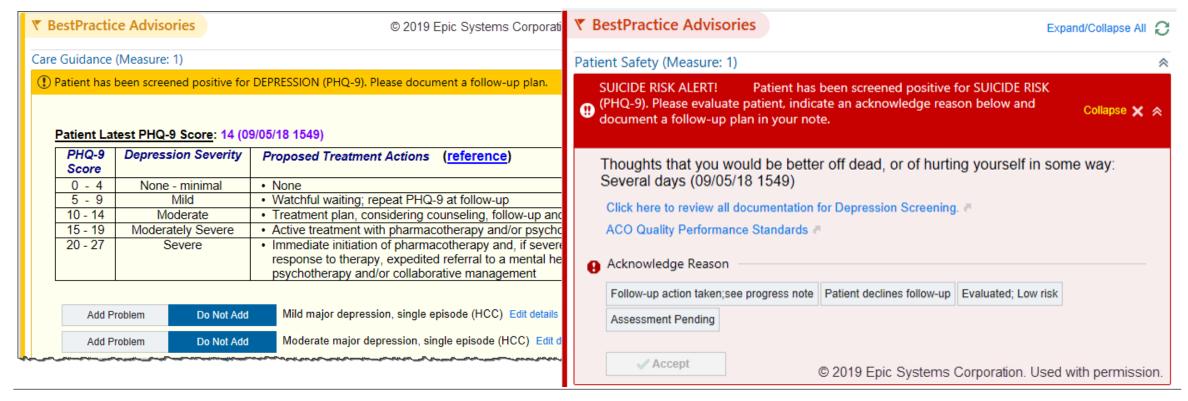




Pre-Intervention: Follow-Up

MD Review; Referrals as needed

- Provider reviews PHQ-9 score; addresses passive alerts regarding depression risk and suicide ideation (requires action)
- Follow-Up actions include adding Diagnosis (HCC), Referrals, etc.



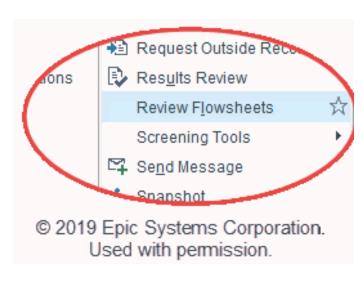


Pre-Intervention: Documentation

MD Notes Charge Capture

- Provider often "hunt and peck" for screening results and transcribes into notes
- Recall of appropriate codes to include in visit charging

Epic "More Activities" Menu



lowsheet Report	© 2019 Epic Systems Corporation. Used with permission.				
Select Flowsheets to View					
AMB DEPRESSION SCREENING UCLA [278]					
Depression Screening (Patient Health Questionnaire PHQ)	4/16/2018	7/16/2018	7/16/2018	8/16/2018	
PHQ-2: Feeling down, depressed, or hopeless	Yes				
PHQ-2: Little interest or pleassure in doing things	No				
Little interest or pleasure in doing things	Several days		Several days		
Feeling down, depressed, or hopeless	Several days		More than half the days		
Trouble falling or staying asleep, or sleeping too much	Several days		More than half the days		
Feeling tired or having little energy	More than half the days		Several days		
Poor appetite or overeating	Several days		Not at all		
Feeling bad about yourself - or that you are a failure or have let yourself or your family down	More than half the days		Nearly every day		
Trouble concentrating on things, such as reading the newspaper or watching television	More than half the days		More than half the days		
Moving or speaking so slowly Or being so fidgety or restless	More than half the days		Several days		
Thoughts that you would be better off dead, or of hurting yourself in some way	Several days		Several days		
PHQ-9 Total Score	13		13		
Depression: Patient Undergoing Treatment		Yes			
Depression: Evaluation/treatment initiated this encounter	Yes			Yes	
Suicide Risk: Follow-up documented	Follow-up action taken;see	Evaluated; Low risk		Evaluated; Low	





Local Problem:

Pre-Implementation (Aug 2017)

 In Sept 2016, the PHQ-2 screening rate was only 16% for all unique adult patients seen in participating primary care offices.

Missed opportunity to screen for depression during office visits in Primary Care offices

 In Sept 2016, only 38% of the patients who endorsed depression symptoms on PHQ-2 screening had a documented PHQ-9 score.

Incomplete follow-up for positive screenings!

Continuous Improvement with PDCA

Plan

- Perform Site Visits & Surveys to Identify Challenges
- Review Current State and Brainstorm Workflow Redesign

Do

- Implement New Workflow
- Change Management, Onsite Training

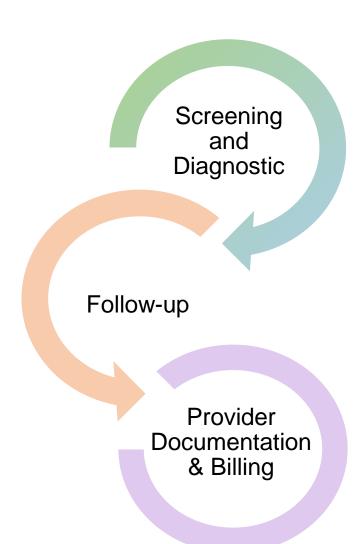
Check

- Review Performance Reports
- Collect User Feedback
- Assess for Optimization Changes

Act

- Continue Monitoring of Performance
- Hardwire Excellence with Recognitions, Leadership Communication and Patient Stories

Workflow Challenges Identified



Screening & Diagnostic Eval (Clinic Staff)

- 1. Staff omission of depression screening: "I didn't think patient needed to be screened..."
- 2. <u>Tedious PHQ-9 workflow</u>: paper workflow and manual transcription

Follow-Up (Providers)

- 3. Finding hidden screening results
- 4. <u>Missing score interpretation</u>: Time consuming to interpret results and research patient management options

Provider Documentation & Charging

- 5. <u>Incomplete documentation of screening results</u>
- 6. Missed opportunity to capture appropriate charges



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Health IT Solutions: Overview

Implement electronic patient-entered response: Behavioral Health Check Up

- Automatic upload of patient response into EHR
- Automatic summary note for provider review in EHR

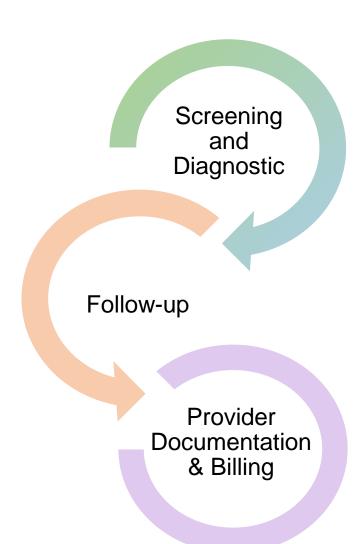
Reorganize depression & other screening tools

- Behavioral Screening Navigator
- smartText for quick documentation
- Task based charging capture behavioral-health care charges

Provide Operational Performance Feedback

- Clarity reporting for clinic managers

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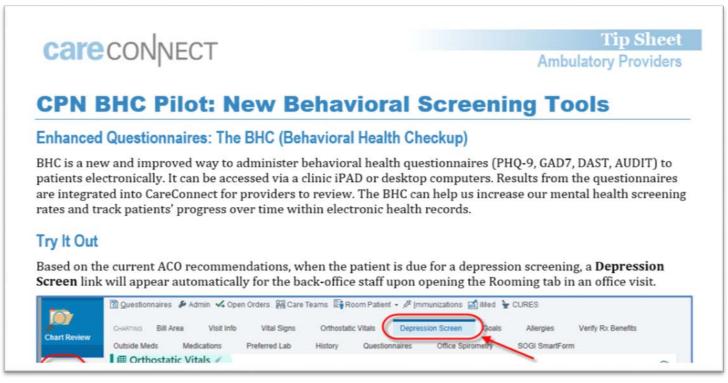
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Problem 1: Staff omission of depression screening

Solution: Reinforced best practice workflow with additional staff and physicians training

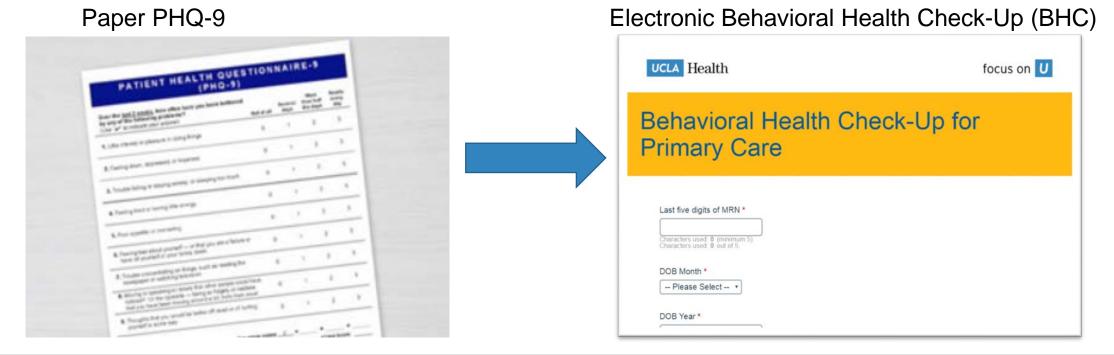
- Ambulatory Nursing Rounds
- Webinar Trainings
- Tip Sheets
- Training Website



Problem 2: Tedious PHQ-9 workflow

Solution: Implement web-based workflow to collect patient response

 Results and scores are automatically integrated with EHR flowsheets, removing the need for manual transcription of the PHQ-9





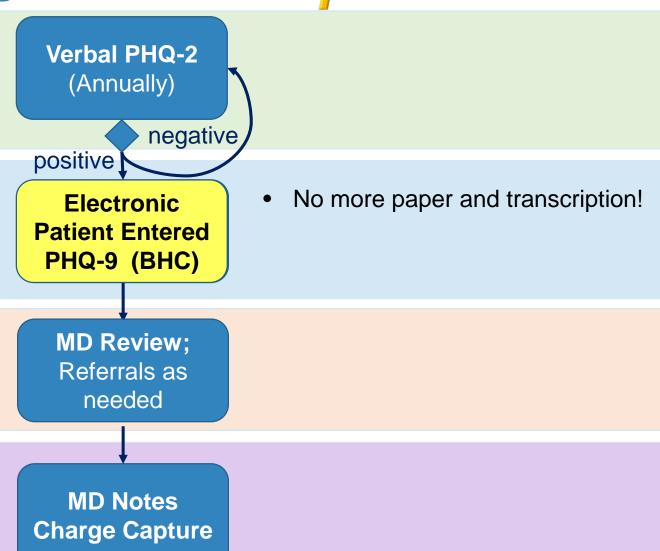
Depression Screening Workflow: Optimized!

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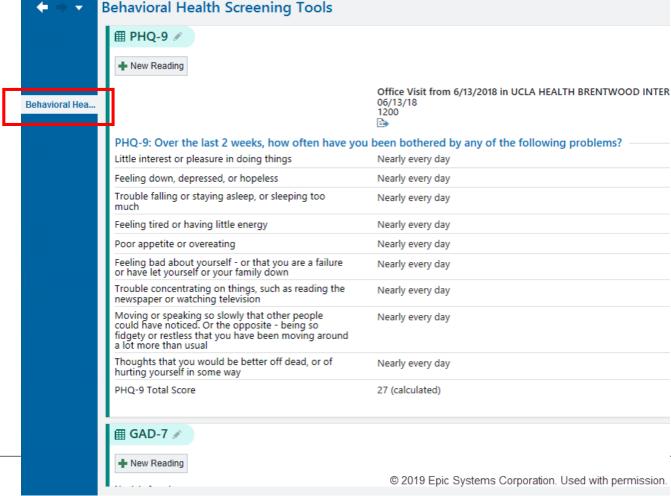
Documentation & Charging: Provider document in notes and drop charges



Problem 3: Finding screening results

Solution: Results readily accessible within dedicated Behavioral Screening

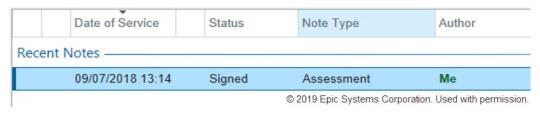
Navigator



UCLA Health

Problem 4: Missing Score Interpretation

Solution: auto-generated Assessment Note; provider score interpretation and patient education resources.



Generalized Anxiety Disorder 7-item (GAD-7)

Score: ORANGE (12) Individual is likely experiencing moderate to high levels of anxiety. Identify and practice emotional regulation tools. Consider introducing relaxation techniques such as diaphragmatic breathing, mindfulness meditation, progressive muscle relaxation or visualization. Further evaluation is recommended.

Patient Health Questionnaire 9-item (PHQ-9)

Score: RED (endorsed suicide item Q9) Attention: Additional screening and assessment for depression is required. This may include assessing for possible SI, safety planning, referral for additional services and/or contacting local emergency teams if individual is determined to be at risk.

Alcohol Use Disorders Identification Test (AUDIT-C)

Score: YELLOW (3) Score of 0 on item 2 or item 3 suggests that individual is drinking within recommended limits. Individual?s alcohol intake over past few months should be reviewed to confirm accuracy.



What is the Behavioral Health Checkup?

The Behavioral Health Checkup (BHC) is a web-based tool that allows the patient to take behavioral health assessments via a computer or tablet device while waiting for their provider.

The assessments are scored and interpreted, providing clinically relevant results to the clinician (via CareConnect) in real-time, which helps identify the patients in need of immediate assistance and referrals.

How do I use the tool in a clinical settting?

While capturing the vitals, you may notice a Depression Questionnaire in CareConnect. This is the PHQ-2, a 2-item questionnaire for depression. This appears once a year as part of the patient's annual check-up.

Step 1:

- If the PHQ-2 appears, ask the patient these two questions verbally
- Step 2:
- If the patient answers "Yes" to any of these questions, then launch the <u>Behavioral Health Checkup</u> from a tablet or exam room computer.
- . Simply enter the patient's MRN and DOB, verify the patient identity, and give





http://primarycare.semeldpbh.org



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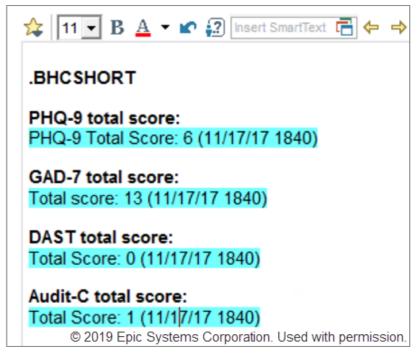
Verbal PHQ-2 (Annually) negative positive | No more paper and transcription! **Electronic Patient Entered** PHQ-9 (BHC) **Dedicated Behavioral Health Simplified** Navigator **MD Review** Automated Assessment Note **MD Notes Charge Capture**



Problem 5: Incomplete documentation of screening results

Not being able to stop or control worrying

Solution: Leverage SmartPhrases to quickly pull in relevant scores



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BHCLong	
PHQ-9 Results	
Depression Screening (Patient Health Questionnaire PHQ)	11/17/2017
PHQ-2: Feeling down, depressed, or	Yes
hopeless PHQ-2: Little interest or pleassure in	Yes
doing things	
Little interest or pleasure in doing	Several days
things	
Feeling down, depressed, or hopeless	Several days
Trouble falling or staying asleep, or sleeping too much	Not at all
Feeling tired or having little energy	Several days
Poor appetite or overeating	Not at all
Feeling bad about yourself - or that	More than half the days
you are a failure or have let	
yourself or your family down	
Trouble concentrating on things, such as reading the newspaper or	Several days
watching television	
Moving or speaking so slowly Or	Not at all
being so fidgety or restless	TOT OF ON
Thoughts that you would be better	Not at all
off dead, or of hurting yourself in	
some way PHQ-9 Total Score	
PHQ-9 Total Score	6
Depression: Evaluation/treatment initiated this encounter	Yes
GAD-7 Results	11/17/2017
SAD-7 Feeling nervous, anxious, or on edge	3-Nearly every day
reening nervous, anxious, or on edge	5-inearry every day

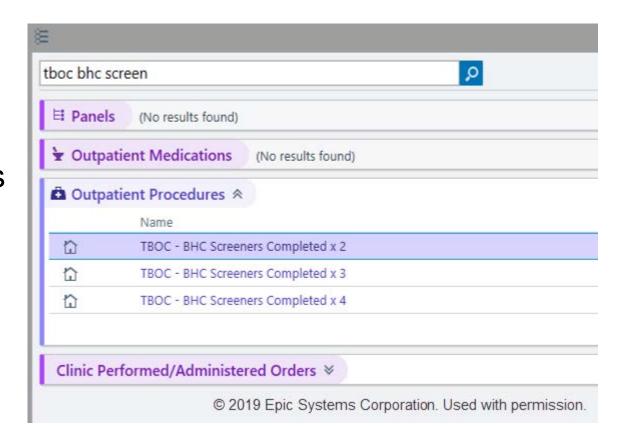
3 Nearly every day



Problem 6: Missed opportunity to capture charges

Solution: automate billing with "Tasked Based Order Completion"

- 1. Provider places order
- 2. Staff completes task once screening is completed.
- 3. Charges dropped automatically (CPT code 96127 billable charge for each questionnaire completed)



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Verbal PHQ-2 (Annually) negative / positive | No more paper and transcription! **Electronic Patient Entered** PHQ-9 (BHC) Dedicated Behavioral Health **Simplified** Navigator **MD** Review Automated Assessment Note **Streamlined**



- Smartphrases to ease documentation
- TBOC orders for 96127 charges

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Reinforce Best Practices: Tracking Performance

- Tableau reports to track practice behavior at clinic level, available to office managers in real time
- Financial incentives available for achieving performing thresholds

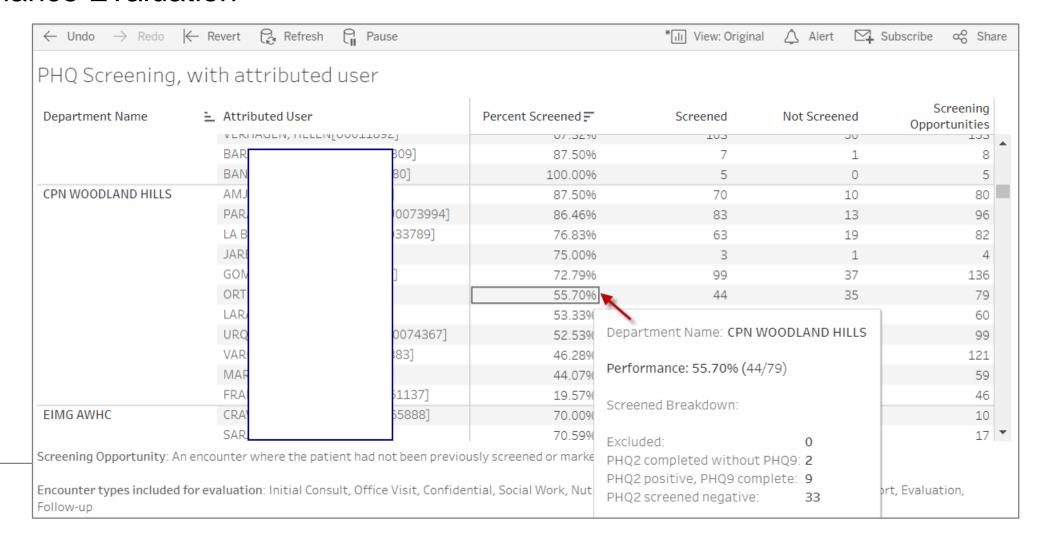
PHQ Screening			© 2019 Epic System	19 Epic Systems Corporation. Used with permission.		
Department Name	=+	Percent Screened	Screened	Not Screened	Screening Opportunities	
CPN 15TH SM		31.04%	1,075	2,390	3,463 🔺	
CPN BRENTWOOD		52.25%	1,733	1,585	3,317	
CPN CENTURY CITY		48.58%	1,201	1,271	2,472	
CPN MALIBU		28.17%	646	1,647	2,293	
CPN MANHATTN BCH		30.14%	1,378	3,195	4,572	
CPN PARKSIDE SM		26.76%	1,042	2,853	3,894	
CPN PED MANHATTN BCH		0.00%	0	68	68	
CPN PED SANTA MONICA		14.08%	10	61	71	
CPN PED WEST LA		0.00%	0	103	103	
CPN WEST WASHINGTON		52.81%	2,289	2,045	4,334	
CPN WOODLAND HILLS		40.68%	2,340	3,413	5,752	

Reinforce Best Practices: Individualized Coaching

 Drilldown details available by user (Medical Assistant) for Professional Performance Evaluation

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Information Technology





Participating clinics:



Pilot Sites (2 clinics: Aug 2017 to Present)



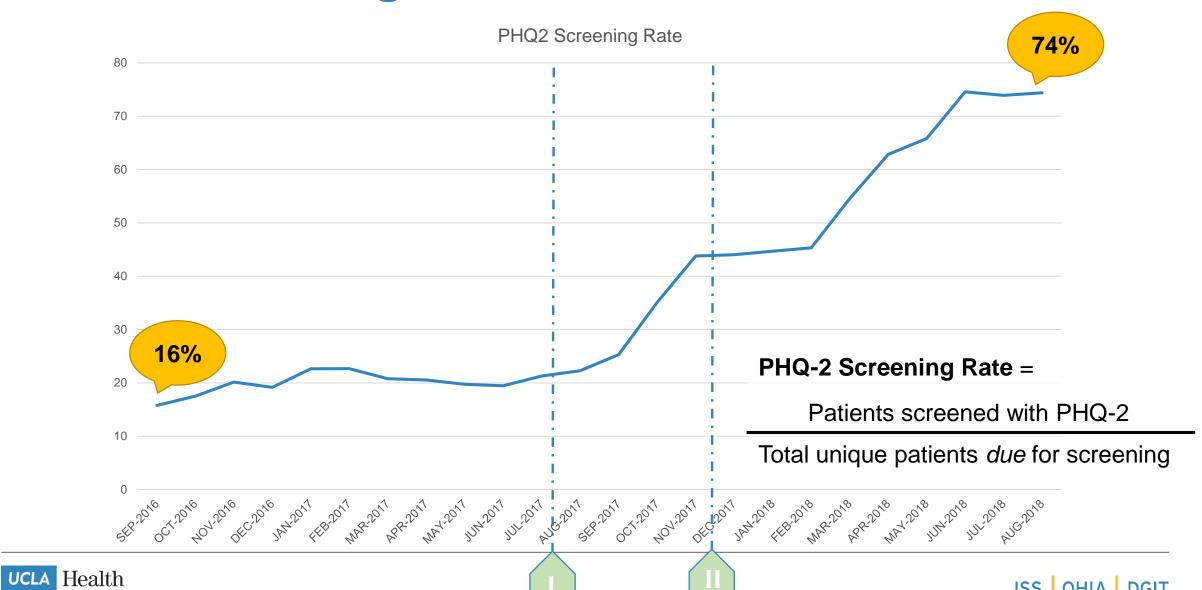
Additional Clinics (12 clinics: Dec 2017 to Present)



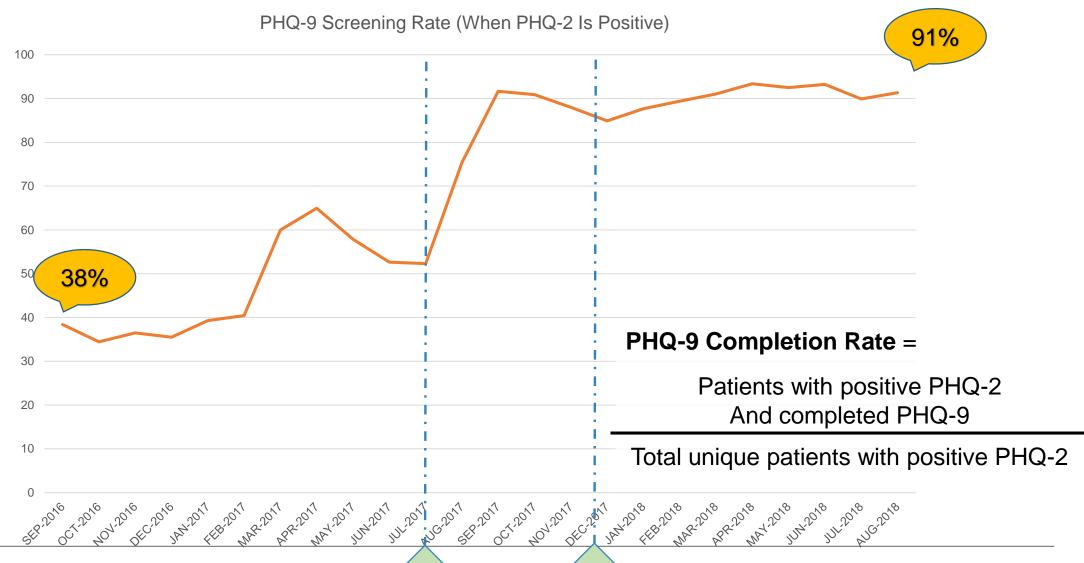
Remaining Primary Care Clinics (*ETA Oct 2018*)

PHQ-2 Screening Rate

Information Technology



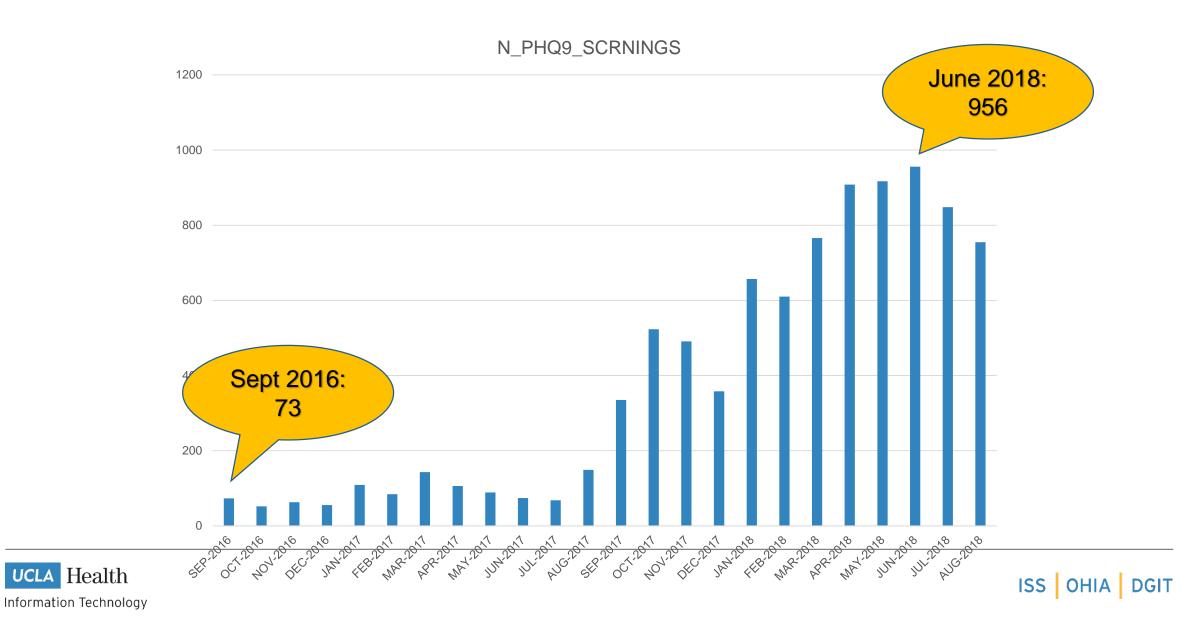
PHQ-9 Completion Rate







Total # of documented PHQ-9 by month



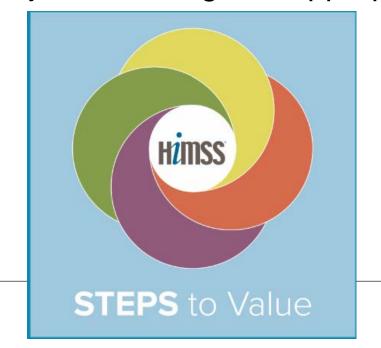
Management Outcome

	2016	2017	2018 YTD (8 months)
% New Depression Diagnosis (count)	1.7% (1,421)	2.0% (6,189)	3.2% (2,016)
Psychiatry/Psychology Referrals	13.8% (25,670)	16.4% (28,830)	17.8% (19,484)
	2016	2017	2018 (annualized)
96127 Charges (\$ reimbursed)	2231 (\$15,117)	4809 (\$39,160)	9094 (\$80,734)



STEPS To Value

- Population Management: Improved universal depression screening rate
- Treatment/Clinical: Improving our diagnosis and management of depression and other co-morbidities in primary care
- Treatment/Clinical: Increasing referrals to appropriate specialists
- Electronic Secure Data: Discrete data are now searchable and trackable
- Savings: Improved risk adjusted coding and appropriate charge capture



Next steps

- Optimization:
 - Express Lane (to package depression related content)
 - Direct external link to questionnaires from CareConnect
 - Prompt provider with correct TBOC charge suggestions
- Examine Patient Outcomes:
 - ED utilization
 - Benzodiazepine Use
 - Depression remission
- Expanding Patient Resources:
 - Internet CBT Referrals
 - Headspace Integration
 - Patient Psychoeducation Handouts





Thank you!



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Contact Us