Population Health Management Infrastructure

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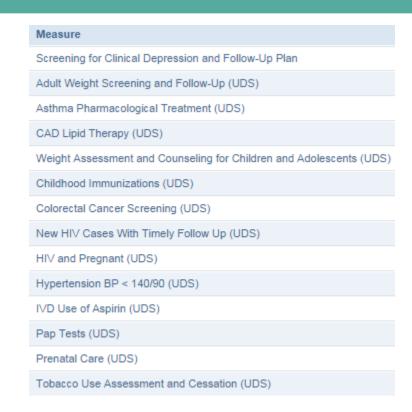


Interfaces

Appointments The Azara reporting Labs tool interfaces with **eCW Medications** multiple systems. **Allergies Vitals Demographics** Handoff ICD9/CPT Azara **STAR** Vista **ADT Info CTM-15 AllScripts Patient Survey**

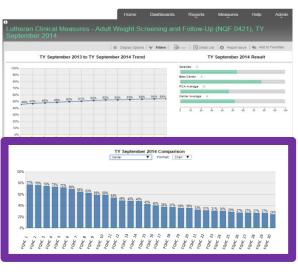




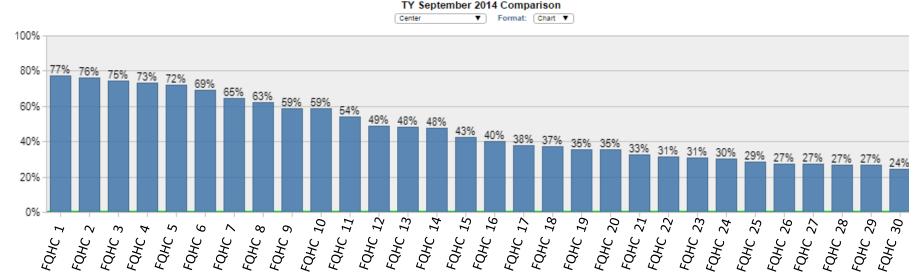


 Yearly submission of performance of core metrics is required of all grantees of HRSA primary care programs.

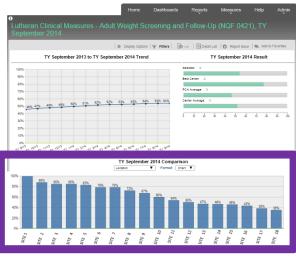




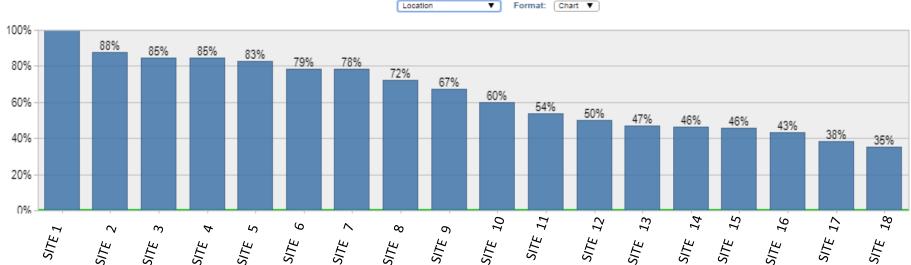
 The Azara tool facilitates comparison among all participating FQHCs.





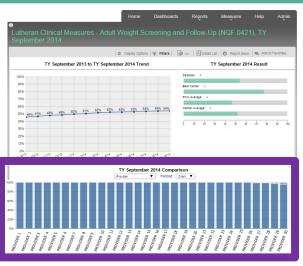


 As well as comparison among all LFHC centers

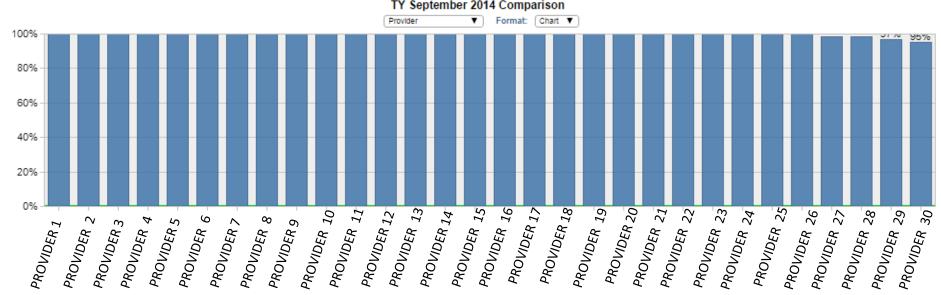


TY September 2014 Comparison



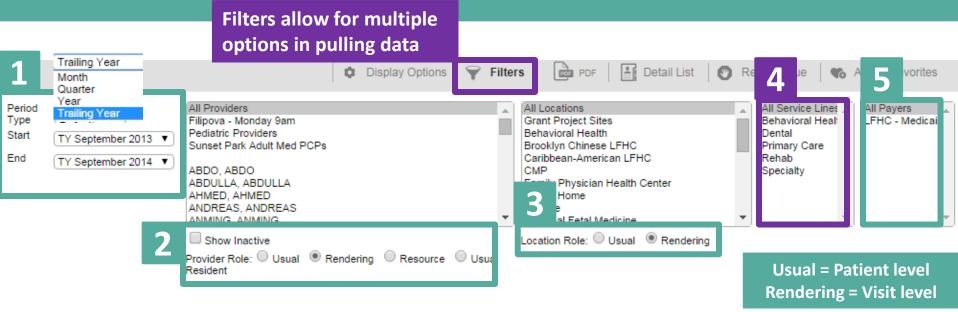


 And the ability to drill down to individual providers at each site and export patient-specific data to Excel





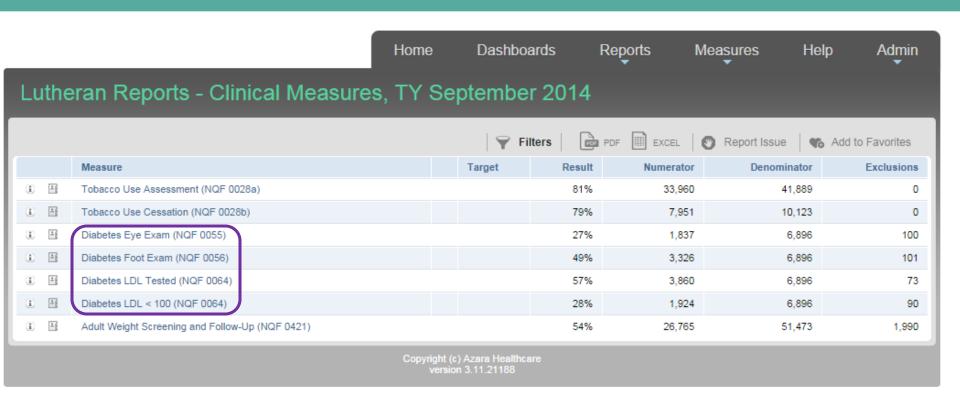
Filters and Service Lines



- 1. Flexibility of data extraction time interval
- 2. Pull data based on PCP(s) or appointment provider(s)
- 3. Select location based where the visit took place
- 4. Filter data for patients seen in Primary Care
- 5. Filter data based on payer mix



Clinical Measures



 Expansion of the UDS metrics utilizing NQF-endorsed measure criteria, which also align with CMS Meaningful Use measures.



Admin

Report Issue

Dashboard

network level

site level

- provider(s) specific
- resident(s) specific
- location(s) specific
- service line

Filters	allow	options	in pulling	5
data at	t			

11			
н	OI	m	e

Lutheran Reports - Dashboard, Q3 2014

Patients		
Total Patients	39,140	
w/ Asthma	3 // 29	Q0/2

39,140	
3,429	9%
4,058	10%
6,707	17%
	3,429 4,058

Diabetes A1c Results				
Total Patients	3,993			
A1c < 7	1,613	40%		
A1c >= 7 & < 8	712	18%		
A1c >= 8 & <= 9	474	12%		
A1c > 9	579	15%		
No A1c Result	615	15%		

Resident Continuity		
Total Visits	3,119	
Resident Continuity	1,439	46%
Team Continuity	1,718	55%

Diabetes LDL Results				
Total Patients	3,993			
LDL < 100	1,473	37%		
LDL < 130	864	22%		
LDL >= 130	513	13%		
No LDL Result	1,143	29%		

Adult Smoking		
Total Patients	22,848	
Smoking Status	19,222	84%
Smokers	5,525	24%
Smoking Cessation	4,456	81%

Help

Measures

Filters

HTN BP Results		
Total Patients	6,707	
BP < 140/90	4,694	70%
BP >= 140/90	1,919	29%
No BP Recorded	94	1%

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Diabetes Foot Exam PDSA



Adult Medicine PDSA (Plan - Do - Study - Act)

01 14

Indicator for Improvement:	Increased number of foot exams on diabetic patients	
Problem Statement:	Low compliance rate on diabetic foot exams: 30% in December 2013	

Preceptor		Residents		QI Support
Dr. Olga Filipova, MD	Dr. Andrew Ciancimino, MD Dr. Edris Alderwish, MD Dr. Hemal Bhatt, MD			Doreen Colella Kerianne Neu Regina Zilber Sadia Choudhury
Potential Challer	nges:	H	low we plan	to address challenges:
1. Lack of documentation in structured fields		Educate the residents with do Direct mentoring/supervision		eenshots.
Foot exams are not consistently part of physical exam 1. Patient reminders 2. Provider reminders 3. Monthly faculty meeti				es, & administration)
3. Patient refusal to get foot exam (noncompliant patients) Provide patient education		Provide patient education		
What Happened?			Q3 2013 to Q1 2014 Trend	
Utilized previsit planning and identified patients with missing foot exams. Discussed in morning huddles. MAs would provide patients, who were missing foot exams, with the red foot cards to give to providers MAs would instruct patients to take their socks/shoes off when they see the provider			100% 90% 80%	
2. Provided education to providers so they can perform proper foot exams and document in appropriate structured fields		ructured fields	70%	
3. Diabetic foot exam compliance increased from 30% (115/379) in December 2013 to 46% (165/358) in February 2014		50%		
What data will you need to collect to show the strategy is working?		40%	2.494	
CPCI		30%		
Pre visit planning report			20% 16%	
Next Steps/Potential Next PDSA's		10%		

Azara data facilitates pre- and post-PDSA data analysis.

1. Educate residents about importance of diabetic foot exams and how to perform proper foot exams

3. Provision of each primary care provider and PCP to have personalized date about their performance

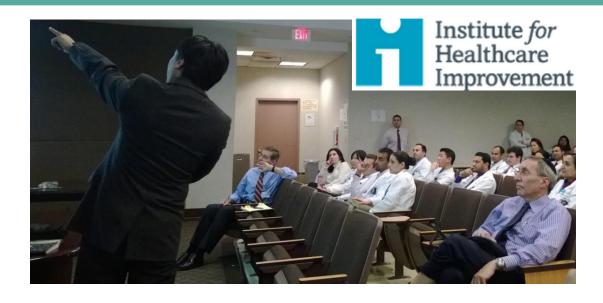
2. Continuous monitoring of proper documentation at the time of the visit

- PDSA results documented in PBWorks online collaborative platform.
- Teams document asynchronously, set reminders, and leave feedback.



PDSA Projects

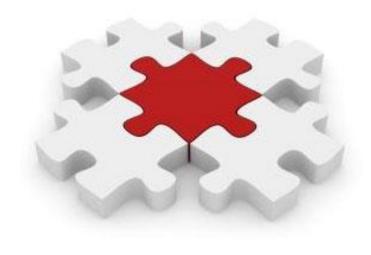




- "Lessons learned" were shared at multiple forums.
- Other PDSA projects currently underway include:
 - Tobacco Cessation
 - Diabetics with LDL < 100



Case Management



Goal

- Better patient outcomes
- Improved patient experience
- Reduced health care cost

Staff

- 15 care managers
- 2 nurse case manager
- 2 social work case manager
- 4 community health workers
- Embedded at 8 LFHC sites



Staff Roles

Care Managers

- Pre-Visit planning and hospital admission and discharge follow-up.
- Ongoing Care Management that aims to motivate patients to make lifestyle changes to improve health outcomes.
- Address unmet social service needs that impact on treatment compliance.

Nurse and Social Work Case Managers

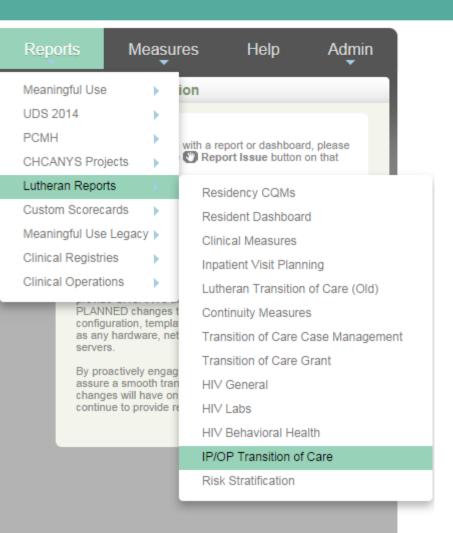
- Engage patients with complex medical conditions and/or psychiatric disorders
- Address functional deficits that impact on the patient's ability to care for self and participate in treatment.

Community Health Workers

- Case Management's "Feet on the Street" or Emergency Response Team
- Accompany patients to medical, behavioral health, chemical dependency or other social service appointments
- Locate community resources
- Provide intimate knowledge of cultural dynamics



IP/OP Transition of Care Report: Admitted Patients



Inpatient CM

- Identifies high risk patient hospital admissions
- Ensures 48h follow-up appt. with PCP

Outpatient CM

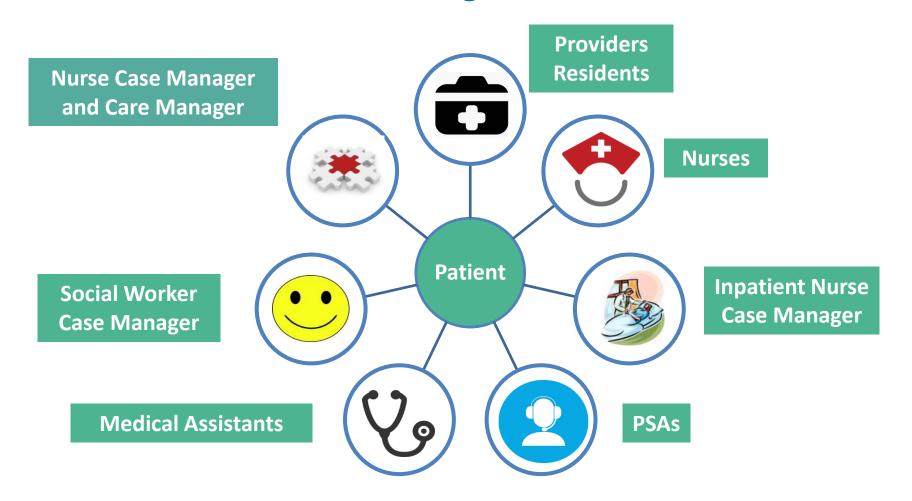
- Notifies FHC care team at the huddle and via email/EHR
- Care team reviews cases and identifies avoidable hospitalizations
- Referral for ongoing CM determined







Morning Huddles





IP/OP Transition of Care Report: Discharged Patients

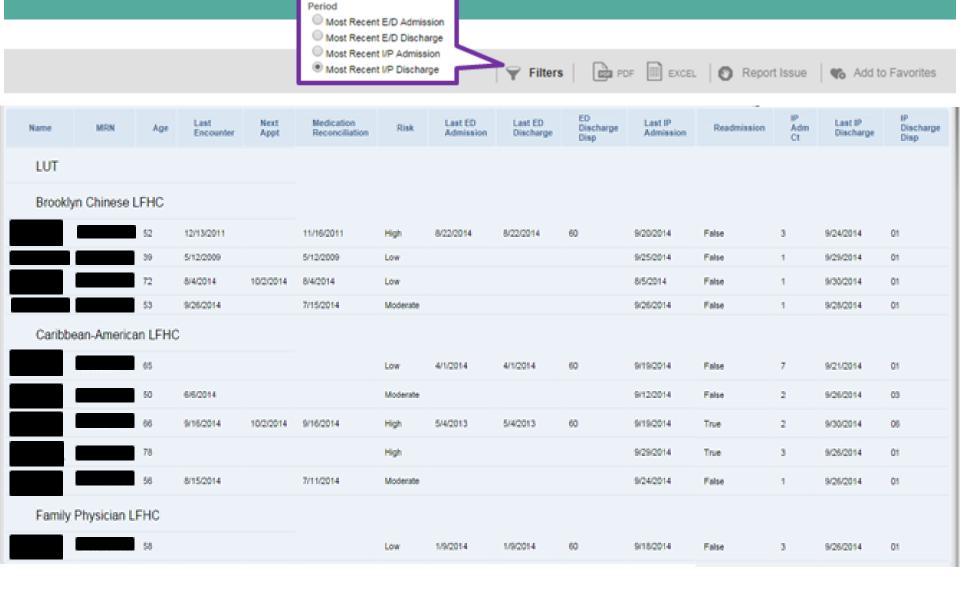


Case Management

- Completes 24h follow-up call
- Administers the CTM-15 survey
- Confirms medical appointment
- Addresses transportation needs
- Alerts patient service coordinator if health concerns reported
- Deploys community health worker if assistance required

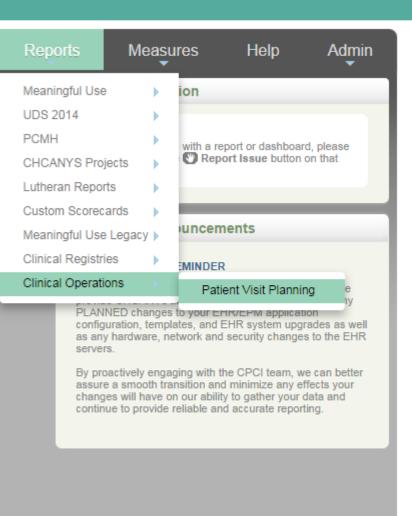


Hospital Admissions/Discharge Reports





Pre-Visit Planning

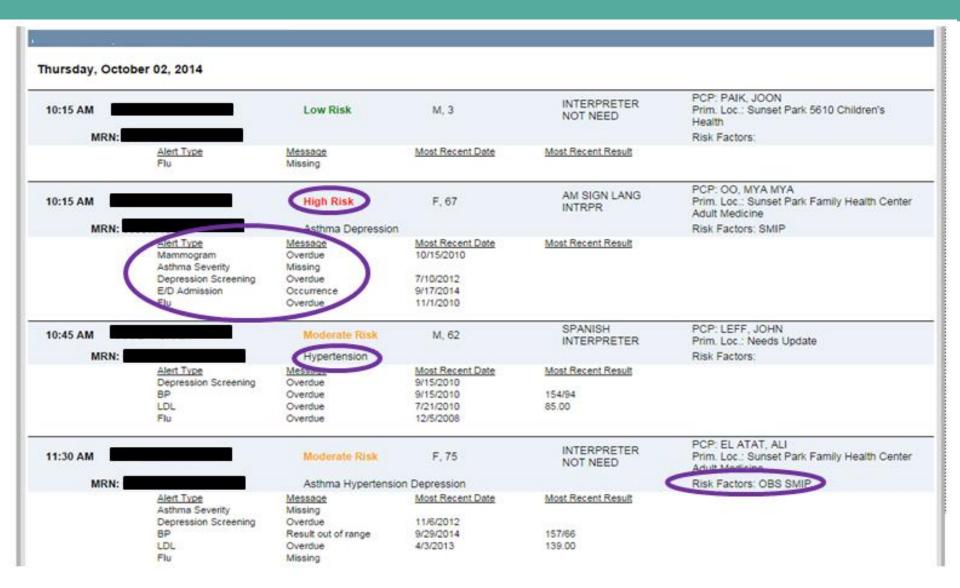


Case Management

- Outreaches 24 hours prior to appt.
- Confirms or reschedules appt.
- Reviews outstanding labs and prompt patient to complete
- Addresses barriers to appointment compliance, i.e. travel
- Posts high risk alerts

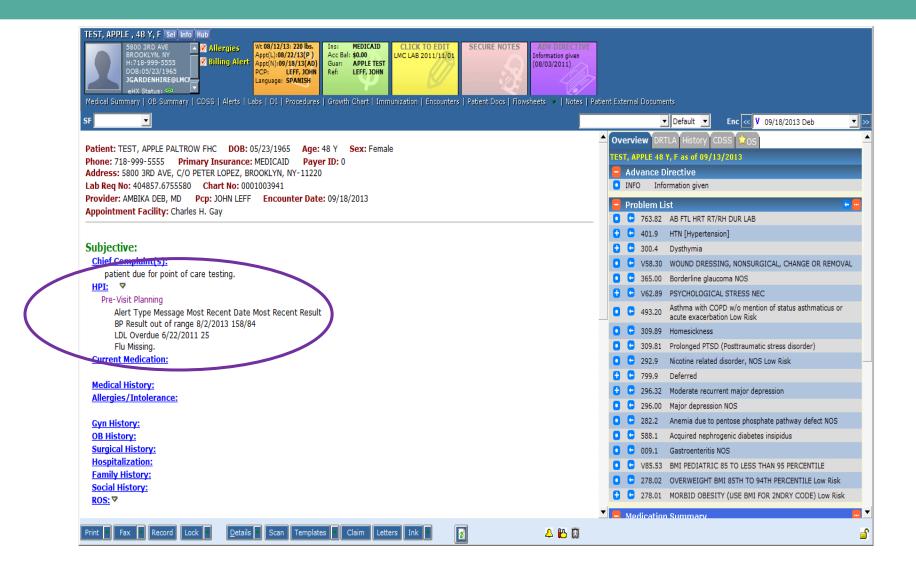


Pre-Visit Planning Report





EHR-eCW Alerts





Current Risk Stratification

High

Patient has 1+ of 11 risk diagnoses

AND

2+ ED and/or IP visits in the past 6 months.

Moderate

Patient has 1+ of 11 risk diagnoses

AND

< 2+ ED and/or IP visits in the past 6 months.

Low

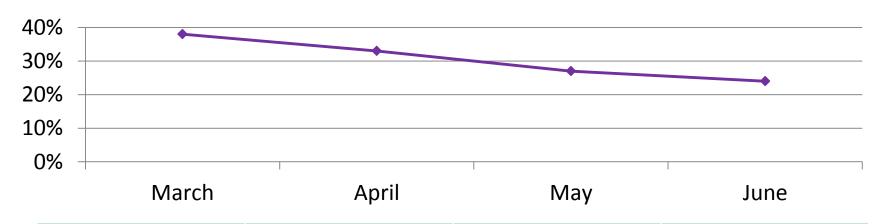
Patient has none of 11 risk diagnoses.

11 Risk Diagnoses

- Asthma
- COPD
- Diabetes Mellitus
- Heart Failure
- Hypertension
- Obesity
- Alcohol Abuse
- Alcohol Dependency
- Drug Abuse
- Drug Dependence
- Severe Mental Illness



High-Risk Medicaid Readmissions



Month	Numerator	Denominator	Rate
March	42	112	37.5%
April	36	110	32.7%
May	23	84	27.0%
June	19	79	24.0%



Next Steps

- Develop and implement case management report card.
- Enhance risk stratification beyond current methodology.
- Auto-populate the risk alerts in providers' progress notes in eCW.
- Add admission and readmission alerts to admission, discharge and patient visit planning reports.
- Include pediatric and OB populations in Azara reporting tool.
- Develop HIV registry.



Expansion of HIV Registry

