Data to Deployment: Closing the Loop on Preventive Care

Presented by:

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Presenter Disclosure

Presenters: Michelle Karker, Hope Latam, Kevin Samson

Relationships with commercial interests: None

Disclosure of Commercial Support

Commercial Support: None

Potential for conflict(s) of interest: None

Mitigating Potential Bias

None



Why would we do this?

What problem were we trying to solve?

What are the benefits?

How does this improve care?

Our team of Hope Latam, Dr. Kevin Samson along with myself will attempt to answer these and many more questions for you today.



Why?

History – it all started with me asking a simple question

How many smokers do we have?

That simple question 5 years ago opened the door to:

Quality Improvement journey



From Data clean up, Extraction and Analysis of our EMR data.

Which led us to how can we use our EMR more efficiently, make it easy for providers to know what preventative care their patients need and when they need it...while allowing for seamless system data to be integrated into our EMR.



Preventive Care Management

Reviewed our Chronic Diseases next

Found the many ways in which diagnosis had been typed into the chart.

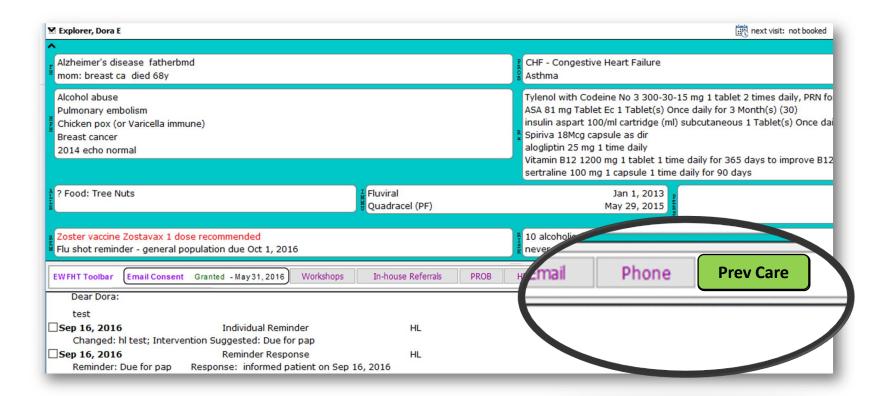
For example: Smoking – smoker, exsmoker, nvr smoked, occas smok, mother smoker, smk, etc

Cancer screenings were next – How did our EMR data stack up against the CCO SAR (Screening Activity report)?

Screening rates were lower than how "WE THOUGHT" we were doing

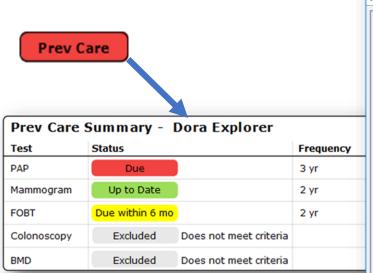
Was the information in our EMR correct? And from an administrators viewpoint, could I confidentially use this data in our EMR for our reporting requirements?





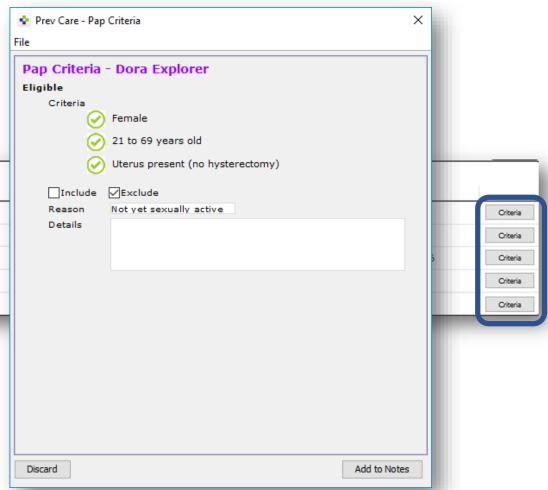


Prev Care	Summary -	Dora Explorer				
Test	Status		Frequency	Date of Most Recent	Response	
PAP	Due		3 yr		Add	Criteria
Mammogram	Up to Date		2 yr	Apr 3, 2015	Add	Criteria
FOBT	Due within 6 mo		2 yr	Oct 10, 2014	Add Kit Provided Oct 9, 2016	Criteria
Colonoscopy	Excluded	Does not meet criteria			Add	Criteria
BMD	Excluded	Does not meet criteria			Add	Criteria



Prev Care

Prev Care Button

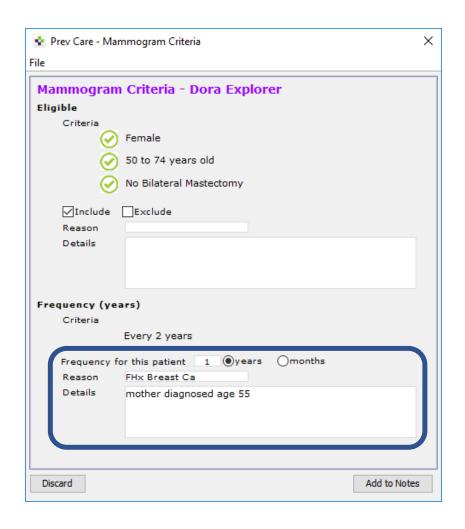




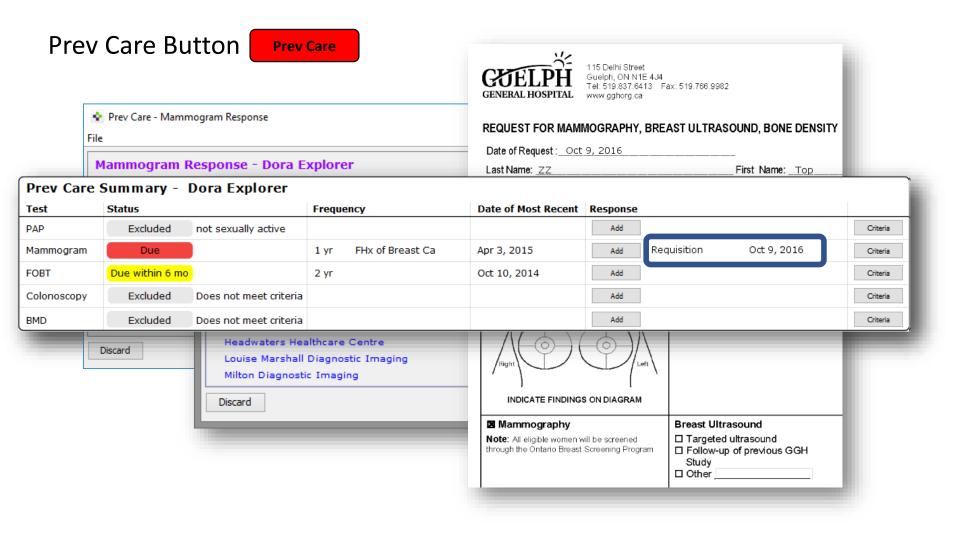
Prev Care	Summary - [Oora Explorer				
Test	Status		Frequency	Date of Most Recent	Response	
PAP	Excluded	not sexually active			Add	Criteria
Mammogram	Up to Date		2 yr	Apr 3, 2015	Add	Criteria
FOBT	Due within 6 mo		2 yr	Oct 10, 2014	Add Kit Provided Oct 9, 2016	Criteria
Colonoscopy	Excluded	Does not meet criteria			Add	Criteria
BMD	Excluded	Does not meet criteria			Add	Criteria

Prev Care Button

Prev Care



Prev Care	Summary -	Dora Explorer				
Test	Status		Frequency	Date of Most Recent	Response	
PAP	Excluded	not sexually active			Add	Criteria
Mammogram	Due		1 yr FHx of Breast Ca	Apr 3, 2015	Add	Criteria
FOBT	Due within 6 mo		2 yr	Oct 10, 2014	Add	Criteria
Colonoscopy	Excluded	Does not meet criteria			Add	Criteria
BMD	Excluded	Does not meet criteria			Add	Criteria



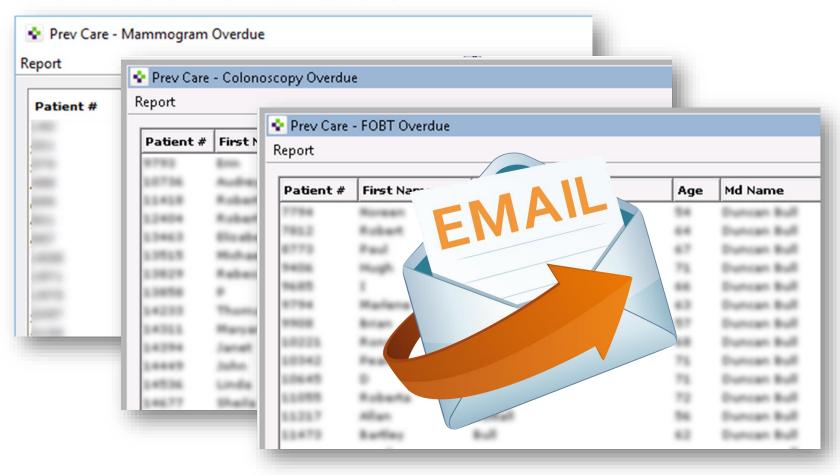
Preventive Care EMR Data Quality

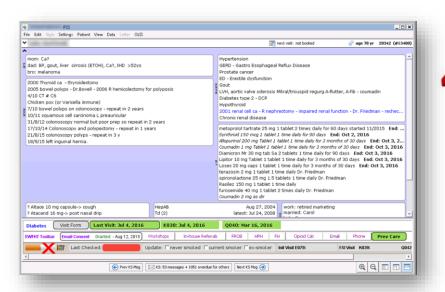
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otal excluded individuals (due to previous	Patient Information					Screening Status						
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	Surname G	Civen Name	HIN	Date of Birth	Age 🕀	Sex	Eligible	Status 🖯	Eligible	Status 0	Eligible	Status
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Abnormal screen, follow-up nee					54	M	N		N		Y	Review
Invalid result, retest required					47	F	N		Y	Action	N	
Overdue for screening					67	F	Υ	Review	Y	Action	Υ	Review
Cverage for screening					68	M	N		N		Υ	Action
- for a series of Consults					68	F	Υ	Review	Y	Normal	Υ	Normal
ue for screening ≤ 6 months					56	M	N		N		Y	Action
					56 71	M	N		N		Y	Review
nysician review required					55	M	N N		N N		Y	Review Action
Colonoscopy in the last 10 years					57	M	N		N	<u> </u>	Y	Action
Flexible Sigmoidoscopy in the la					46	F	N		Y	Normal	N	Action
years					68	M	N		N N	Trottina	Y	Review
Review patient history					66	M	N		N		Y	Review
Abnormal screen, follow-up und					52	М	N		N		Y	Action
or completed					69	M	N		N		Y	Review
-					58	F	Υ	Review	Y	Normal	Y	Normal
					35	F	N		Y	Action	N	

Preventative Care EMR Data Quality



Preventive Care Email Notifications





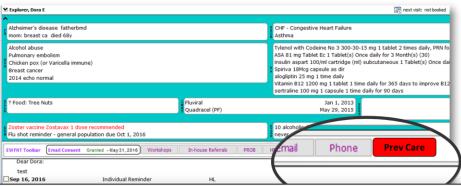


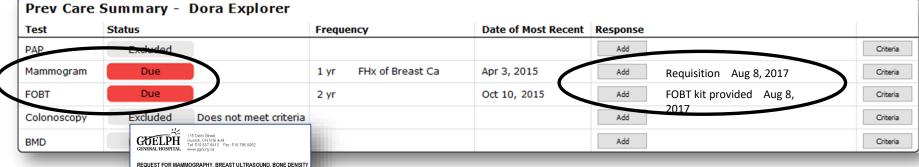
Preventive Care

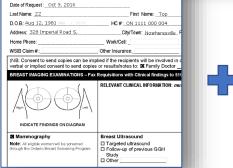




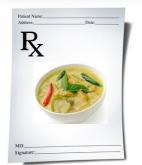


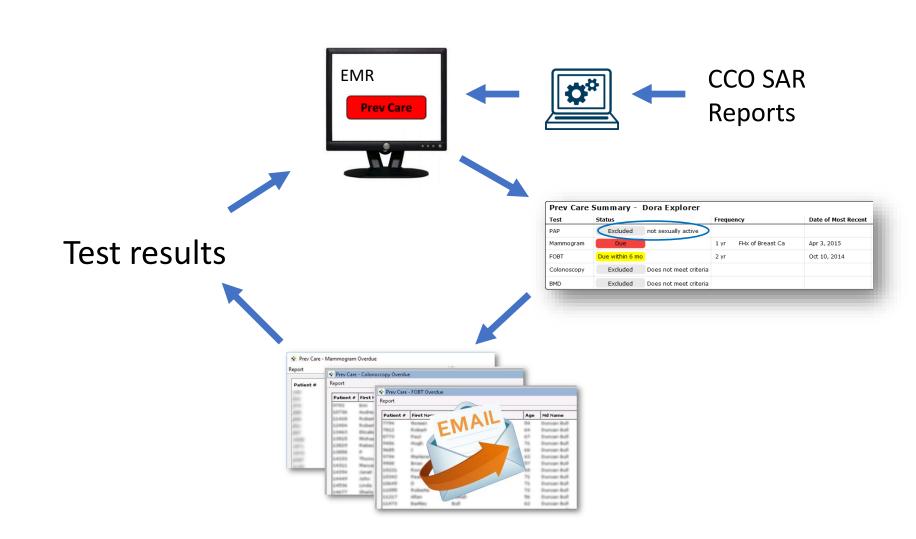


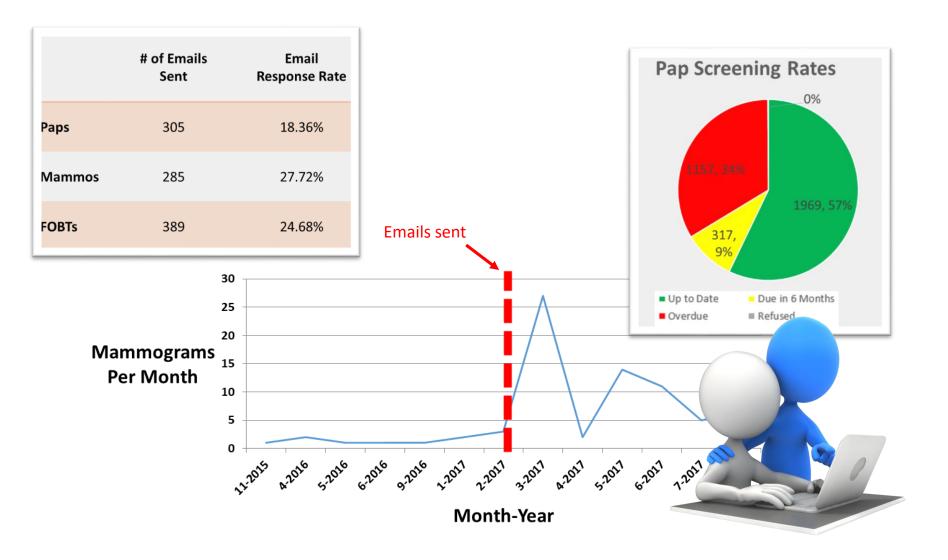












Current state after deployment

Patient

- I. Seamless care
 - I. Merge and Manage CCO SAR reports with EMR data
 - II. Notify patients if over due in addition to CCO notification
 - III. Customized based on the patient, their family history, exclusions etc.
 - IV. Use of emails vs letters to notify patients per patient requests on how "they'd like to be notified"

Efficient use of resources

- I. Limited funding we have been creative
 - I. Quality improvement initiatives aligned with better patient care
 - II. Staff time merging data and emailing vs calling
 - III. Email vs mailing costs
 - IV. Ease of reporting

System

- I. Better Integration of system data and local EMR data
 - I. Focus on group practice thus making a difference
 - II. Until we merged this data we "THOUGHT" we were doing well



Future state and next steps

Spread to P/C teams across the province

- I. P/C teams across 6 LHINs
- II. 22 FHTs across the Province
- III. Various individual FHOs and individual offices

Used by physicians, Nurses, NPs, and receptionists

Where we are going next?

Find out more about the Prev Care Tools ...



Thank You!