

A background network diagram consisting of various sized light blue circles connected by thin lines, some solid and some dashed, creating a complex web-like structure.

Data to Deployment: Closing the Loop on Preventive Care

Dr. Kevin Samson

Faculty/Presenter Disclosure

- **Faculty:** Kevin Samson
- **Relationships with commercial interests:**
 - OntarioMD Peer Leader
 - eHealth Centre of Excellence Clinical Advisor
 - Diabetes Action Canada Clinical Advisor



Disclosure of Commercial Support

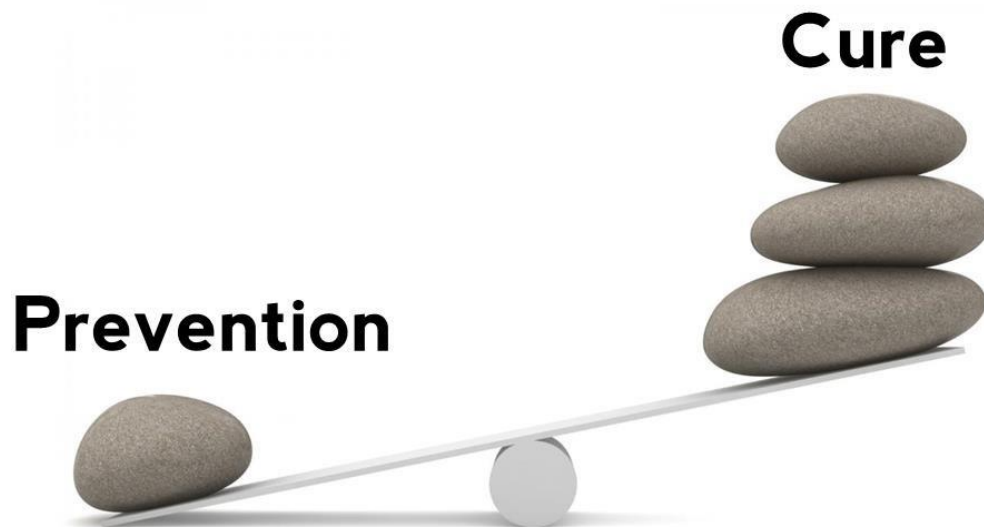
- **No Commercial Support**
- **No Potential for conflict(s) of interest**



Mitigating Potential Bias

- None

Data to Deployment: Closing the Loop on Preventive Care



Prev Care Button



Explorer, Dora E next visit: not booked

Alzheimer's disease fatherbmd
mom: breast ca died 68y

Alcohol abuse
Pulmonary embolism
Chicken pox (or Varicella immune)
Breast cancer
2014 echo normal

CHF - Congestive Heart Failure
Asthma

Tylenol with Codeine No 3 300-30-15 mg 1 tablet 2 times daily, PRN for
ASA 81 mg Tablet Ec 1 Tablet(s) Once daily for 3 Month(s) (30)
insulin aspart 100/ml cartridge (ml) subcutaneous 1 Tablet(s) Once dai
Spiriva 18Mcg capsule as dir
alogliptin 25 mg 1 time daily
Vitamin B12 1200 mg 1 tablet 1 time daily for 365 days to improve B12
sertraline 100 mg 1 capsule 1 time daily for 90 days

? Food: Tree Nuts

Fluviral Jan 1, 2013
Quadracel (PF) May 29, 2015

Zoster vaccine Zostavax 1 dose recommended
Flu shot reminder - general population due Oct 1, 2016

10 alcoholia
never

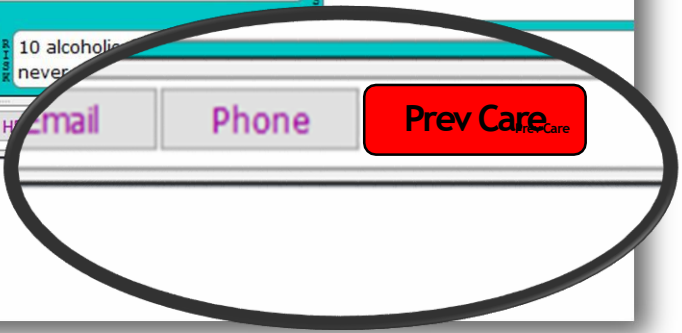
EWFHT Toolbar Email Consent Granted - May 31, 2016 Workshops In-house Referrals PROB **Email** Phone **Prev Care**

Dear Dora:

test

Sep 16, 2016 Individual Reminder HL
Changed: hl test; Intervention Suggested: Due for pap

Sep 16, 2016 Reminder Response HL
Reminder: Due for pap Response: informed patient on Sep 16, 2016



Prev Care Button



Explorer, Dora E next visit: not booked

PROB Alzheimer's disease fatherbmd
mom: breast ca died 68y

PROB CHF - Congestive Heart Failure
Asthma

PROB Alcohol abuse
Pulmonary embolism
Chicken pox (or Varicella immune)
Breast cancer
2014 echo normal

PROB Tylenol with Codeine No 3 300-30-15 mg 1 tablet 2 times daily, PRN for
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PROB Fluviral Jan 1, 2013
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PROB 10 alcoholia
never

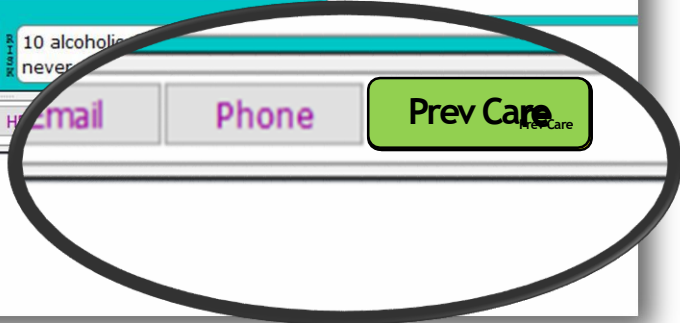
EWFHT Toolbar Email Consent Granted - May 31, 2016 Workshops In-house Referrals PROB **Email** **Phone** **Prev Care**

Dear Dora:

test

Sep 16, 2016 Individual Reminder HL
Changed: hl test; Intervention Suggested: Due for pap

Sep 16, 2016 Reminder Response HL
Reminder: Due for pap Response: informed patient on Sep 16, 2016



Prev Care Button

Prev Care

Prev Care



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 Button

Prev Care

Prev Care



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

Prev Care Button

Prev Care

Prev Care



Test	Status	Frequency	Date of Most Recent	Response	
PAP	Due	3 yr		Add	Criteria
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Prev Care Button

Prev Care

Prev Care



Test	Status	Frequency	Date of Most Recent	Response	Criteria
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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



Test	Status	Frequency
PAP	Due	3 yr
Mammogram	Up to Date	2 yr
FOBT	Due within 6 mo	2 yr
Colonoscopy	Excluded	Does not meet criteria
BMD	Excluded	Does not meet criteria

Prev Care - Pap Criteria

File

Pap Criteria - Dora Explorer

Eligible

Criteria

- Female
- 21 to 69 years old
- Uterus present (no hysterectomy)

Include Exclude

Reason: Not yet sexually active

Details

Discard Add to Notes

Criteria

Criteria

Criteria

Criteria

Criteria

Prev Care Button

Prev Care

Prev Care



Prev Care Summary - Dora 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 - Mammogram Criteria

File

Mammogram Criteria - Dora Explorer

Eligible

Criteria

- Female
- 50 to 74 years old
- No Bilateral Mastectomy

Include Exclude

Reason

Details

Frequency (years)

Criteria

Every 2 years

Frequency for this patient years months

Reason

Details

Prev Care Button



Test	Status	Frequency	Date of Most Recent	Response	
PAP	Excluded not sexually active			<input type="button" value="Add"/>	<input type="button" value="Criteria"/>
Mammogram	Due	1 yr FHx of Breast Ca	Apr 3, 2015	<input type="button" value="Add"/>	<input type="button" value="Criteria"/>
FOBT	Due within 6 mo	2 yr	Oct 10, 2014	<input type="button" value="Add"/>	<input type="button" value="Criteria"/>
Colonoscopy	Excluded Does not meet criteria			<input type="button" value="Add"/>	<input type="button" value="Criteria"/>
BMD	Excluded Does not meet criteria			<input type="button" value="Add"/>	<input type="button" value="Criteria"/>

Prev Care Button



115 Delhi Street
Guelph, ON N1E 4J4
Tel: 519.837.6413 Fax: 519.766.9982
www.gghorg.ca

REQUEST FOR MAMMOGRAPHY, BREAST ULTRASOUND, BONE DENSITY

Date of Request : Oct 9, 2016

Last Name: ZZ

First Name: Top

Prev Care - Mammogram Response

File

Mammogram Response - Dora Explorer

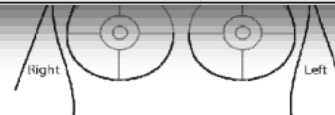
Prev Care Summary - Dora Explorer

Test	Status	Frequency	Date of Most Recent	Response
PAP	Excluded not sexually active			Add
Mammogram	Due	1 yr FHx of Breast Ca	Apr 3, 2015	Add Requisition Oct 9, 2016
FOBT	Due within 6 mo	2 yr	Oct 10, 2014	Add
Colonoscopy	Excluded Does not meet criteria			Add
BMD	Excluded Does not meet criteria			Add

Discard

Headwaters Healthcare Centre
Louise Marshall Diagnostic Imaging
Milton Diagnostic Imaging

Discard



INDICATE FINDINGS ON DIAGRAM

Mammography

Note: All eligible women will be screened through the Ontario Breast Screening Program

Breast Ultrasound

- Targeted ultrasound
- Follow-up of previous GGH Study
- Other _____

Preventive Care Email Notifications

The image shows three overlapping software reports from an EMR system, each titled 'Prev Care - [Service] Overdue'. The reports are for Mammogram, Colonoscopy, and FOBT. An illustration of an open envelope with a card that says 'EMAIL' and an orange arrow pointing to the right is overlaid on the reports, symbolizing email notifications.

Prev Care - Mammogram Overdue

Report

Patient #
12345
12346
12347
12348
12349
12350
12351
12352
12353
12354
12355
12356
12357
12358
12359
12360

Prev Care - Colonoscopy Overdue

Report

Patient #	First Name
12345	Bob
12346	Robert
12347	Robert
12348	Robert
12349	Robert
12350	Robert
12351	Robert
12352	Robert
12353	Robert
12354	Robert
12355	Robert
12356	Robert
12357	Robert
12358	Robert
12359	Robert
12360	Robert

Prev Care - FOBT Overdue

Report

Patient #	First Name	Age	Md Name
12345	Robert	66	Dennis Bull
12346	Robert	66	Dennis Bull
12347	Paul	67	Dennis Bull
12348	Hugh	71	Dennis Bull
12349	I	66	Dennis Bull
12350	Malena	63	Dennis Bull
12351	Brian	67	Dennis Bull
12352	Robert	68	Dennis Bull
12353	Paul	71	Dennis Bull
12354	I	71	Dennis Bull
12355	Roberta	72	Dennis Bull
12356	Alan	66	Dennis Bull
12357	Barley	62	Dennis Bull

Preventive Care



mom: Ca? dad: BP, gout, liver cirrhosis (ETOH), Ca?, IHD >52yo bro: melanoma

2000 Thyroid ca - thyroidectomy
2005 bowel polyps - Dr. Bovell - 2006 R hemicolectomy for polyposis 4/10 CT # C6
Chicken pox (or Varicella immune)
7/10 bowel polyps on colonoscopy - repeat in 2 years
10/11 squamous cell carcinoma L preauricular
31/8/12 colonoscopy normal but poor prep so repeat in 2 years
17/10/14 Colonoscopy and polypectomy - repeat in 1 years
21/8/15 colonoscopy polyps - repeat in 3 y
18/9/15 left inguinal hernia.

Hypertension
GERD - Gastro Esophageal Reflux Disease
Prostate cancer
ED - Erectile dysfunction
Sout.
LVH, aortic valve sclerosis Mitral/tricuspid regurg A-flutter, A-fib - coumadin
Diabetes type 2 - DCP
Hypothyroid
2001 renal cell ca - R nephrectomy - impaired renal function - Dr. Friedman - rehec...
Chronic renal disease

metoprolol tartrate 25 mg 1 tablet 2 times daily for 60 days started 11/2015 End: ...
Synthroid 150 mcg 1 tablet 1 time daily for 90 days End: Oct 2, 2016
Allopurinol 200 mg Tablet 1 tablet 1 time daily for 3 months of 30 days End: Oct 3, 2...
Coumadin 1 mg Tablet 1 tablet 1 time daily for 3 months of 30 days End: Oct 3, 2016
Diamicon Mr 30 mg tab Sa 2 tablets 1 time daily for 90 days End: Oct 3, 2016
Lipitor 10 mg Tablet 1 tablet 1 time daily for 3 months of 30 days End: Oct 3, 2016
Losec 20 mg caps 1 tablet 1 time daily for 3 months of 30 days End: Oct 3, 2016
terazosin 2 mg 1 tablet 1 time daily Dr. Friedman
spironolactone 25 mg 1.5 tablets 1 time daily Dr. Friedman
Rasilez 150 mg 1 tablet 1 time daily
furosemide 40 mg 1 tablet 2 times daily Dr. Friedman
Coumadin 2 mg as dir

7 Altace 10 mg capsule-> cough
? Atacand 16 mg-> post nasal drip

HepA8 Aug 27, 2004 work: retired marketing
Td (2) latest: Jul 24, 2008 married: Carol

Diabetes Visit Form Last Visit: Jul 4, 2016 K030: Jul 4, 2016 Q040: Mar 16, 2016

EWHT Toolbar Email Consent Granted - Aug 12, 2015 Workshops In-house Referrals PROG HPH FH Opioid Calc Email Phone Prev Care

Last Checked: Update: never smoked current smoker ex-smoker In Visit E079: FU Visit K039: Q042



Explorer, Dora E next visit: not booked

Alzheimer's disease fatherbmd
mom: breast ca died 68y

CHF - Congestive Heart Failure
Asthma

Alcohol abuse
Pulmonary embolism
Chicken pox (or Varicella immune)
Breast cancer
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? Food: Tree Nuts
Fluvirval
Quadracel (PF)
Jan 1, 2013
May 29, 2015

Zoster vaccine Zostavax 1 dose recommended
Flu shot reminder - general population due Oct 1, 2016

10 alcohol
never

EWFHT Toolbar [Email Consent](#) [Granted -May31, 2016](#) [Workshops](#) [In-house Referrals](#) [PROB](#) [Home](#) [Email](#) [Phone](#) [Prev Care](#)

Dear Dora:
test
 Sep 16, 2016 Individual Reminder HL

Prev Care Summary - Dora Explorer

Test	Status	Frequency	Date of Most Recent	Response
PAP	Excluded			Add
Mammogram	Due	1 yr FHx of Breast Ca	Apr 3, 2015	Add Requisition Aug 8, 2017
FOBT	Due	2 yr	Oct 10, 2015	Add FOBT kit provided Aug 8, 2017
Colonoscopy	Excluded	Does not meet criteria		Add
BMD				Add

GOELPH GENERAL HOSPITAL
115 Derry Street
Georgina, ON L1E 4J4
Tel: 519 837 6413 Fax: 519 796 9982
www.gohrg.ca

REQUEST FOR MAMMOGRAPHY, BREAST ULTRASOUND, BONE DENSITY

Date of Request: Oct 9, 2016

Last Name: ZZ First Name: Top
D.O.B.: Aug 12, 1981 HC #: ON 1111 000 004
Address: 328 Imperial Road S, City/Town: Nowheresville, P
Home Phone: Work/Cell:
WSIB Claim #: Other Insurance:

(N.B. Consent to send copies can be implied if the recipient will be involved in a verbal or implied consent to send copies or results to: Family Doctor

BREAST IMAGING EXAMINATIONS - For Requisitions with Clinical Findings to 519

RELEVANT CLINICAL INFORMATION: mx

INDICATE FINDINGS ON DIAGRAM

Mammography
Note: All eligible women will be screened through the Ontario Breast Screening Program

Breast Ultrasound
 Targeted ultrasound
 Follow-up of previous GGH Study
 Other



Patient Name: _____ Date: _____

Address: _____

Rx

MD: _____
Signature: _____



Test results

Prev Care Summary - Dora Explorer

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

Prev Care - Mammogram Overdue

Report

Patient #	First
10001	John
10002	Jane
10003	Bob
10004	Alice
10005	Charlie
10006	Diana
10007	Frank
10008	Grace
10009	Henry
10010	Ivy
10011	Jack
10012	Jill
10013	Jim
10014	Judy
10015	John
10016	Jane
10017	Bob
10018	Alice
10019	Charlie
10020	Diana
10021	Frank
10022	Grace
10023	Henry
10024	Ivy
10025	Jack
10026	Jill
10027	Jim
10028	Judy
10029	John
10030	Jane
10031	Bob
10032	Alice
10033	Charlie
10034	Diana
10035	Frank
10036	Grace
10037	Henry
10038	Ivy
10039	Jack
10040	Jill
10041	Jim
10042	Judy
10043	John
10044	Jane
10045	Bob
10046	Alice
10047	Charlie
10048	Diana
10049	Frank
10050	Grace
10051	Henry
10052	Ivy
10053	Jack
10054	Jill
10055	Jim
10056	Judy
10057	John
10058	Jane
10059	Bob
10060	Alice
10061	Charlie
10062	Diana
10063	Frank
10064	Grace
10065	Henry
10066	Ivy
10067	Jack
10068	Jill
10069	Jim
10070	Judy
10071	John
10072	Jane
10073	Bob
10074	Alice
10075	Charlie
10076	Diana
10077	Frank
10078	Grace
10079	Henry
10080	Ivy
10081	Jack
10082	Jill
10083	Jim
10084	Judy
10085	John
10086	Jane
10087	Bob
10088	Alice
10089	Charlie
10090	Diana
10091	Frank
10092	Grace
10093	Henry
10094	Ivy
10095	Jack
10096	Jill
10097	Jim
10098	Judy
10099	John
10100	Jane

Prev Care - Colonoscopy Overdue

Report

Patient #	First
10001	John
10002	Jane
10003	Bob
10004	Alice
10005	Charlie
10006	Diana
10007	Frank
10008	Grace
10009	Henry
10010	Ivy
10011	Jack
10012	Jill
10013	Jim
10014	Judy
10015	John
10016	Jane
10017	Bob
10018	Alice
10019	Charlie
10020	Diana
10021	Frank
10022	Grace
10023	Henry
10024	Ivy
10025	Jack
10026	Jill
10027	Jim
10028	Judy
10029	John
10030	Jane
10031	Bob
10032	Alice
10033	Charlie
10034	Diana
10035	Frank
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10037	Henry
10038	Ivy
10039	Jack
10040	Jill
10041	Jim
10042	Judy
10043	John
10044	Jane
10045	Bob
10046	Alice
10047	Charlie
10048	Diana
10049	Frank
10050	Grace
10051	Henry
10052	Ivy
10053	Jack
10054	Jill
10055	Jim
10056	Judy
10057	John
10058	Jane
10059	Bob
10060	Alice
10061	Charlie
10062	Diana
10063	Frank
10064	Grace
10065	Henry
10066	Ivy
10067	Jack
10068	Jill
10069	Jim
10070	Judy
10071	John
10072	Jane
10073	Bob
10074	Alice
10075	Charlie
10076	Diana
10077	Frank
10078	Grace
10079	Henry
10080	Ivy
10081	Jack
10082	Jill
10083	Jim
10084	Judy
10085	John
10086	Jane
10087	Bob
10088	Alice
10089	Charlie
10090	Diana
10091	Frank
10092	Grace
10093	Henry
10094	Ivy
10095	Jack
10096	Jill
10097	Jim
10098	Judy
10099	John
10100	Jane

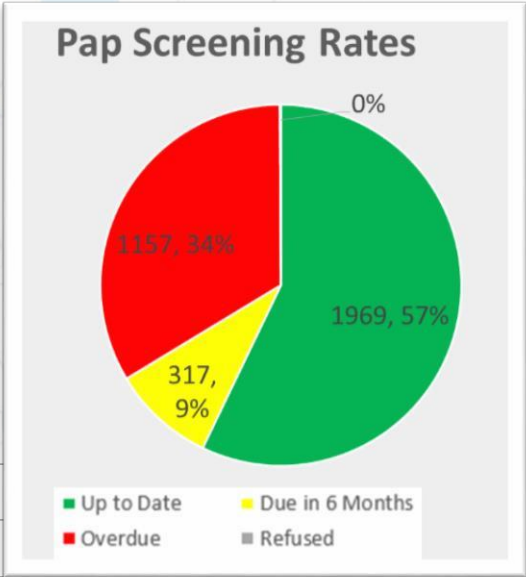
Prev Care - FOBT Overdue

Report

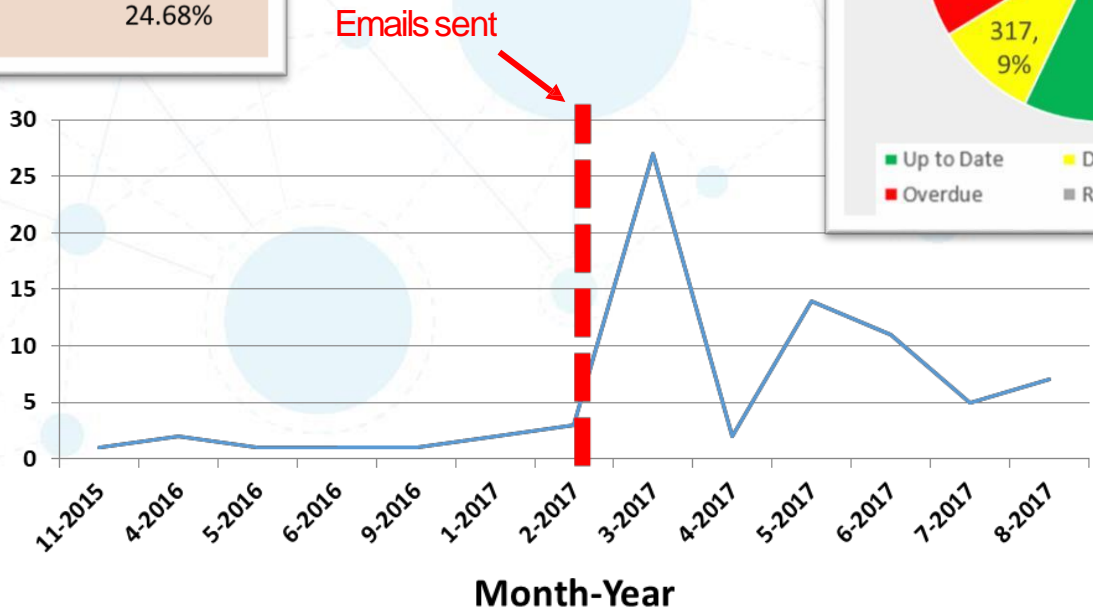
Patient #	First Name	Age	Mid Name
10001	John	54	Downen Bull
10002	Jane	64	Downen Bull
10003	Bob	67	Downen Bull
10004	Alice	70	Downen Bull
10005	Charlie	70	Downen Bull
10006	Diana	63	Downen Bull
10007	Frank	61	Downen Bull
10008	Grace	66	Downen Bull
10009	Henry	70	Downen Bull
10010	Ivy	70	Downen Bull
10011	Jack	70	Downen Bull
10012	Jill	70	Downen Bull
10013	Jim	70	Downen Bull
10014	Judy	70	Downen Bull
10015	John	70	Downen Bull
10016	Jane	70	Downen Bull
10017	Bob	70	Downen Bull
10018	Alice	70	Downen Bull
10019	Charlie	70	Downen Bull
10020	Diana	70	Downen Bull
10021	Frank	70	Downen Bull
10022	Grace	70	Downen Bull
10023	Henry	70	Downen Bull
10024	Ivy	70	Downen Bull
10025	Jack	70	Downen Bull
10026	Jill	70	Downen Bull
10027	Jim	70	Downen Bull
10028	Judy	70	Downen Bull
10029	John	70	Downen Bull
10030	Jane	70	Downen Bull
10031	Bob	70	Downen Bull
10032	Alice	70	Downen Bull
10033	Charlie	70	Downen Bull
10034	Diana	70	Downen Bull
10035	Frank	70	Downen Bull
10036	Grace	70	Downen Bull
10037	Henry	70	Downen Bull
10038	Ivy	70	Downen Bull
10039	Jack	70	Downen Bull
10040	Jill	70	Downen Bull
10041	Jim	70	Downen Bull
10042	Judy	70	Downen Bull
10043	John	70	Downen Bull
10044	Jane	70	Downen Bull
10045	Bob	70	Downen Bull
10046	Alice	70	Downen Bull
10047	Charlie	70	Downen Bull
10048	Diana	70	Downen Bull
10049	Frank	70	Downen Bull
10050	Grace	70	Downen Bull
10051	Henry	70	Downen Bull
10052	Ivy	70	Downen Bull
10053	Jack	70	Downen Bull
10054	Jill	70	Downen Bull
10055	Jim	70	Downen Bull
10056	Judy	70	Downen Bull
10057	John	70	Downen Bull
10058	Jane	70	Downen Bull
10059	Bob	70	Downen Bull
10060	Alice	70	Downen Bull
10061	Charlie	70	Downen Bull
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10063	Frank	70	Downen Bull
10064	Grace	70	Downen Bull
10065	Henry	70	Downen Bull
10066	Ivy	70	Downen Bull
10067	Jack	70	Downen Bull
10068	Jill	70	Downen Bull
10069	Jim	70	Downen Bull
10070	Judy	70	Downen Bull
10071	John	70	Downen Bull
10072	Jane	70	Downen Bull
10073	Bob	70	Downen Bull
10074	Alice	70	Downen Bull
10075	Charlie	70	Downen Bull
10076	Diana	70	Downen Bull
10077	Frank	70	Downen Bull
10078	Grace	70	Downen Bull
10079	Henry	70	Downen Bull
10080	Ivy	70	Downen Bull
10081	Jack	70	Downen Bull
10082	Jill	70	Downen Bull
10083	Jim	70	Downen Bull
10084	Judy	70	Downen Bull
10085	John	70	Downen Bull
10086	Jane	70	Downen Bull
10087	Bob	70	Downen Bull
10088	Alice	70	Downen Bull
10089	Charlie	70	Downen Bull
10090	Diana	70	Downen Bull
10091	Frank	70	Downen Bull
10092	Grace	70	Downen Bull
10093	Henry	70	Downen Bull
10094	Ivy	70	Downen Bull
10095	Jack	70	Downen Bull
10096	Jill	70	Downen Bull
10097	Jim	70	Downen Bull
10098	Judy	70	Downen Bull
10099	John	70	Downen Bull
10100	Jane	70	Downen Bull

EMAIL

	# of Emails Sent	Email Response Rate
Paps	305	18.36%
Mammos	285	27.72%
FOBTs	389	24.68%



Mammograms Per Month






Kevin Samson

- Feed
- People
- Groups
- Recently Viewed
- My Groups
- Active Groups**
- My Archived Groups
- Files
- Topics

Active Groups

New Group

Name	Last Activity	Membership
 East Wellington Family Health Team This group was created to share the PS tools developed by EWFHT to improve office workf... 28 Members Owner: Hope Latam (Customer)	07/10/2017	



Kevin.Samson@ewfht.ca