



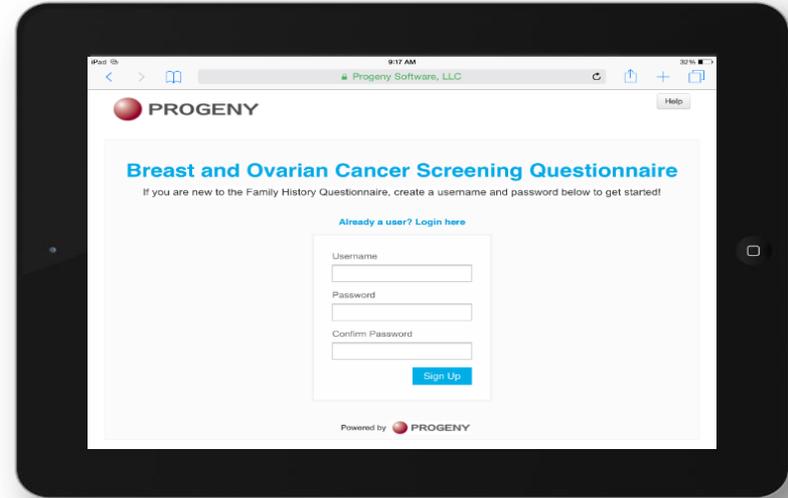
FHQ

Family History Questionnaire

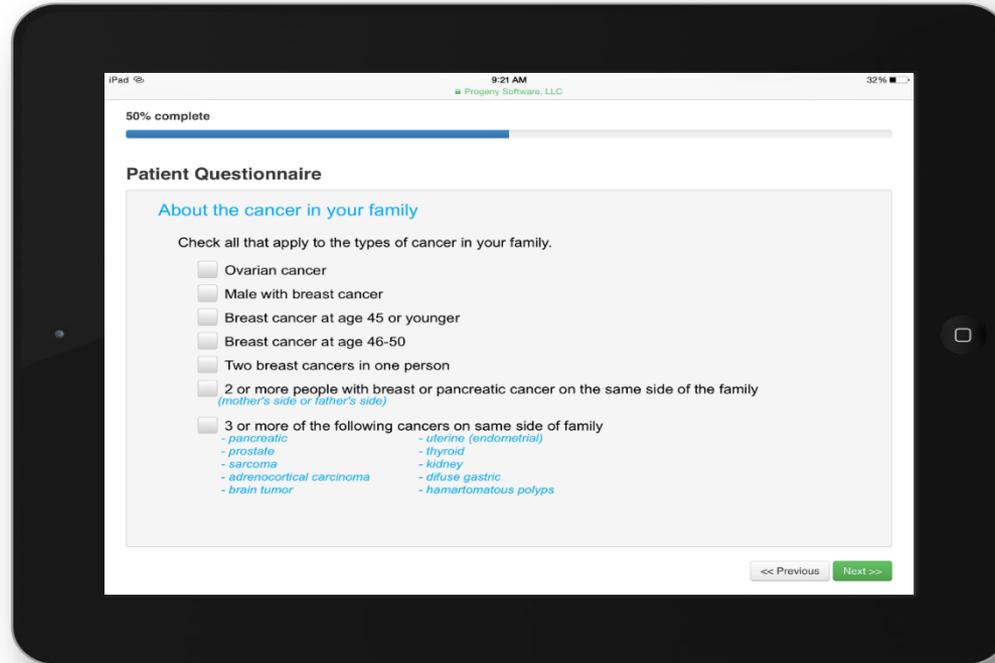
Providing the Building Blocks for Personalized Healthcare

IDENTIFYING AT RISK PATIENTS

1. Patient is presented Triage Questionnaire via iPad or kiosk in clinic waiting room
2. After completing the short 5 minute triage questionnaire, patients are identified if they meet referral criteria
3. A full risk assessment questionnaire can then be sent to patients who meet referral criteria



The following workflow is an example of providing an iPad or Kiosk station in the waiting room to screen patients



Basic family history information is asked of the patient to assess risk

PROGENY CLINICAL

The screenshot displays the Progeny Clinical interface. At the top, there are navigation buttons: 'Invite Patient', 'Invite Status', 'Build Spreadsheet', 'Run Spreadsheet', and 'Order Status'. A 'Dashboard' tab is active. The main section is titled 'Patients' and includes a search bar and a '+ New Patient' button. A table lists three patients:

	Last Name	First Name	Pedigree Name	Individual Name	MRN#	DOB	Referral?	Appt Date	Last Modified
Actions	Johnson	Ann	Johnson	Johnson_1	2685874	07/06/1952	Yes	07/12/2015	06/22/2015
Actions	Cavallo	Michael	Cavallo	Cavallo_1	3685428	08/13/1948	Yes	07/05/2015	06/22/2015
Actions	Barrington	Jill	Barrington	Barrington_1	2458754	09/16/1972	No	06/29/2015	06/19/2015

An 'Actions' dropdown menu is open for the first patient, with 'Invite Patient' circled in red. A red arrow points to the 'Referral?' column, and a blue arrow points to the 'Invite Patient' option. A filter dropdown on the right is set to 'Only Probands'.

Clinicians can review for those patients who meet referral criteria and invite them to complete a full risk assessment questionnaire

From: Progeny Notifications
Sent: Wednesday, June 1, 2016 4:16 PM
To: Jane Doe
Subject: Family History Questionnaire



Your logo here

Dear Jane Doe,

Please take a few minutes to fill out our online Family History Questionnaire (FHQ). The FHQ will ask you about your personal and family history of cancer. It may help to talk with family members to gather information about their cancer diagnoses, types of cancer, ages of diagnosis etc. Once you start the questionnaire, you will be able to save it and come back later if needed. Please fill out the information the best that you can.

**Your contact
information
here**

[Click here to begin your Online Family History Questionnaire](#)

*If you have any questions, please contact us at:
Email: support@progenygenetics.com
Phone: 800-776-0773*

Preview the email template and send!

79% complete

Describe your family

Please enter the first name for each of your relatives.

Then use the following descriptions to complete the family table:

- **Vital Status** - Is this family member living or deceased?
- **Age (or age at death)** - If the family member is living please enter their current age (or your closest guess). If the family member is deceased please enter the age they passed.
- **Cancer?** - Has this family member ever been diagnosed with any type of cancer?
- **Genetic Testing?** - Has this family member ever had genetic testing for cancer predisposition?

» Use the **Add Family Member** button to add any other family members that are not listed.

» If you need to remove a family member, please use the **Delete Individual** button at the bottom of the table.

Relationship	First Name	Vital Status	Age (or age at death)	Cancer?	Genetic Testing?
Father	<input type="text"/>	Alive ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
Mother	<input type="text"/>	Alive ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sister	<input type="text"/>	Alive ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>
Son	<input type="text"/>	Alive ▾	<input type="text"/>	<input type="text"/>	<input type="text"/>

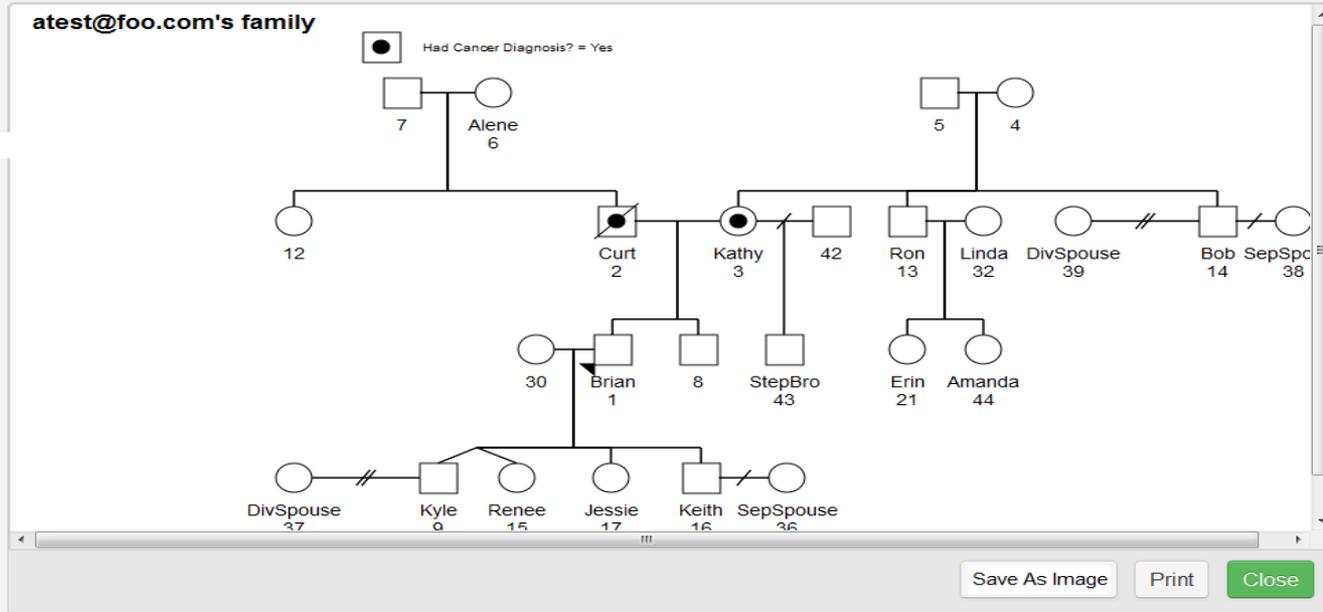
<< Previous

Next >>

Patient enters information about each family member

Family History Questionnaire

Step 9 of 9



Patient can print or save their pedigree when completed

PROGENY CLINICAL

My Patients

Search: Q

Only Probands ▼ + New Patient

	Last Name	First Name	MRN#	DOB	Referral?	Appt Date	Last Modified
Actions ▼	Johnson	Ann	2685874	07/06/1952	Yes	07/12/2015	06/22/2015
Actions ▼	Cavallo	Michael	3685428	08/13/1948	Yes	07/05/2015	06/22/2015
Actions ▼	Barrington	Jill	2458754	09/16/1972	No	06/29/2015	06/19/2015

- Open Datasheet
- Open Pedigree**
- Invite Patient
- View Risk Report
- Delete Patient
- Order Test
- View Order Status
- Previous



After the patient completes the questionnaire, an email notifies the clinician, who can login to Progeny and review the pedigree.

The screenshot displays the Progeny Risk2 web application. On the left, the 'Pedigree Viewer' shows a family tree with a patient, Jamie2 (1/6/16), highlighted in a yellow box. The patient's data is shown in a panel on the right. The panel includes fields for Patient ID, Relationship to Proband (Mother), and Individual Last Modified (Dec 29, 2015). It also features a 'Cancer History' table with columns for Cancer Diagnosis, Diagnosis Age, Cancer confirmed/reported, Pathology, and Diagnosis Comments. The table contains one entry for Breast cancer at age 65, confirmed by records. Below the table are sections for 'Breast Tumor Markers' and 'Colon Tumor Markers', each with a grid of input fields for various markers and ER/PR status.

The pedigree opens and highlights the patient with their data on the right. You can add additional data to assist with determining appropriate testing

Pedigree Viewer

Calculate Save Report Current PDF

Validation Errors

Cancer Risk 8

	5YR	LIFE
BREAST		
GAIL	0.2%	10.9%
BRCAPRO	17.9%	71.9%
TYRER-CUZICK	7.7%	50.2%
OVARIAN		
BRCAPRO	2.0%	51.4%
COLORECTAL		
MMRPRO	0.0%	3.2%
ENDOMETRIAL		
MMRPRO	0.0%	2.0%
MELANOMA		
MELAPRO	0.2%	1.9%
PANCREATIC		
PANCPRO	0.0%	1.3%

Mutation Probabilities 16

Risk Assessment Settings

Display the following risk assessment models:

- BRCAPro
- MMRPro
- PancPro
- MelaPro
- Tyrer-Cuzick
- Premm
- Gail

Only models that have been configured can be chosen. [Configure Risk Models](#)

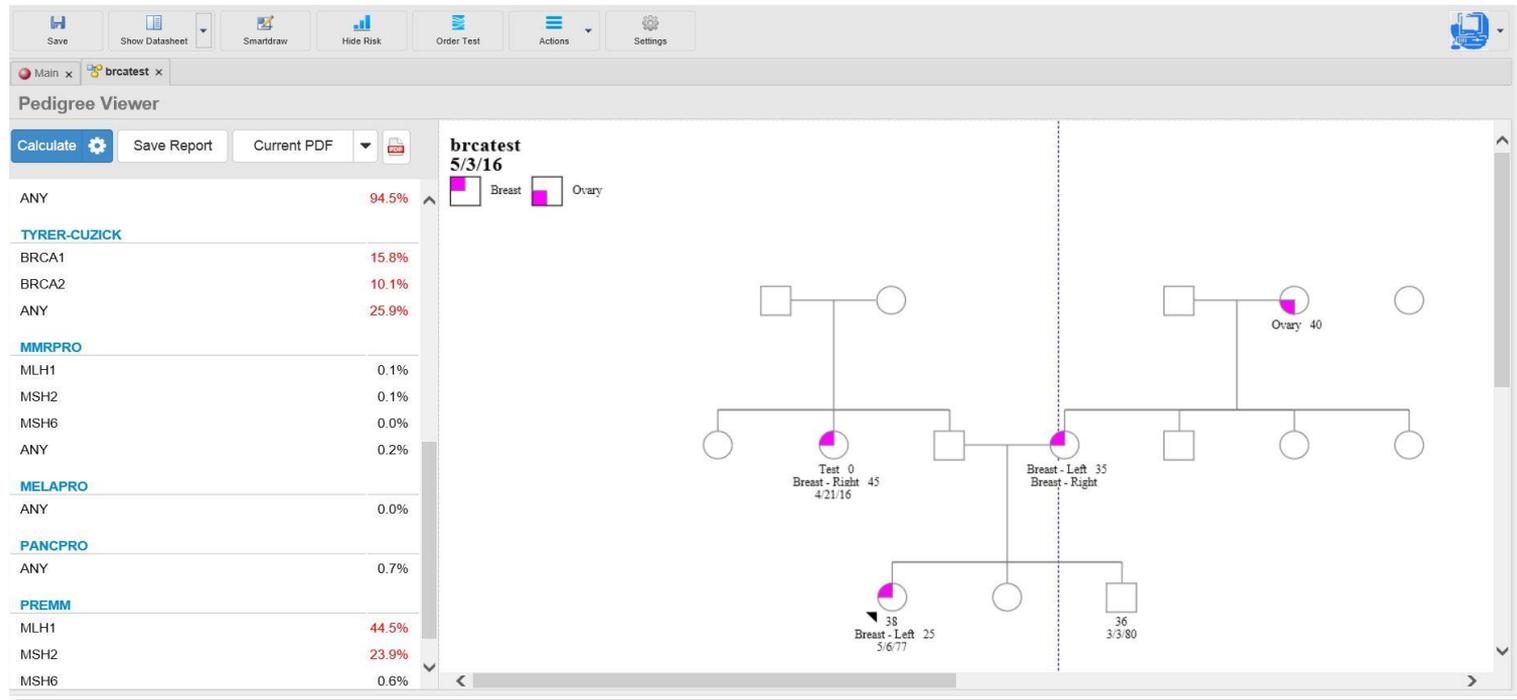
Risk Threshold: 20 % Cancer 10 % Mutation

Reporting: Display data inputs

Do not show this dialog again

Cancel Continue

Run risk models to determine lifetime risk of diseases such as breast, ovarian, colon, and other cancers



Run risk models to determine mutation probabilities

Risk Assessment Report

11/23/2015

. Smith
Date of Birth : 01/11/1971
MRN : Stephanie

Cancer Risk

BREAST	5 Year	Lifetime
BRCAPRO	3.0%	20.4%

OVARIAN	5 Year	Lifetime
BRCAPRO	0.4%	6.7%

COLORECTAL	5 Year	Lifetime
MMRPRO	0.0%	3.2%

ENDOMETRIAL	5 Year	Lifetime
MMRPRO	0.0%	1.9%

MELANOMA	5 Year	Lifetime
MELAPRO	0.1%	1.7%

PANCREATIC	5 Year	Lifetime
PANCPRO	0.0%	1.3%

Mutation Probabilities

BRCAPRO	
BRCA1	5.4%
BRCA2	8.7%
ANY	14.2%

MMRPRO	
MLH1	0.0%
MSH2	0.0%
MSH6	0.0%
ANY	0.1%

MELAPRO	
ANY	0.0%

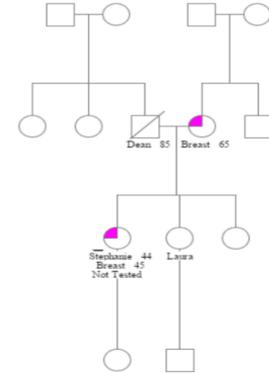
PANCPRO	
ANY	0.5%

Smith, Stephanie
11/22/15

 Breast

Paternal Ancestry
English

Maternal Ancestry
Czech, Danish



Create a pdf report of the Risk results and upload into your EMR if desired.

OhioHealth
BELIEVE IN WE

For Patients & Visitors | For Physicians & Healthcare Professionals | Careers

Welcome to the OhioHealth Genetic Counseling Program

Your provider has placed a referral for you to receive a hereditary risk assessment. This service is provided by OhioHealth Genetic Counseling Program to help you better understand the likelihood of a hereditary condition in your family and help you make decisions regarding medical management. This assessment will include a determination of whether or not genetic testing may be a useful option for you or your family.

The first step is to provide information about your medical and family history. For us to be better prepared for your appointment this Online Family History Questionnaire is needed prior to your appointment. Please complete this questionnaire to the best of your ability. Once you have completed the form, we will contact you to schedule your genetic counseling appointment.

Please select one of the risk assessments below to begin.

Hereditary Cancer

This risk assessment will help you better understand your cancer risks and management options. Genetic counseling appointments are available at five OhioHealth locations: Riverside Methodist Hospital, Grant Medical Center, Doctors Hospital, Marion General Hospital and Delaware Health Center.

Begin Your Hereditary Cancer Risk Assessment

SOMC Cancer Center

This risk assessment is identical to the Hereditary Cancer Risk Assessment but is intended only for individuals receiving genetic counseling via telemedicine at the Southern Ohio Medical Center Cancer Center.

Begin Your SOMC Cancer Center Risk Assessment

Hereditary Cardiac

This risk assessment will help you understand your risk for familial cardiomyopathy or arrhythmia conditions and possible management options. Genetic counseling appointments are available at Riverside Methodist Hospital.

Begin Your Hereditary Cardiac Risk Assessment

TOWN CENTER
ORTHOPAEDIC ASSOCIATES, P.C.
Specialized Physicians. Specialized Care.

Matt Thornton
View My Profile Sign Out

For Patient: Sandra W.

Back to Form Packets
33% Complete

Appointment Information

Reason for Appointment *

I'm having knee pain and want to evaluate what my options are

On which side of your body do you feel pain? *

Left
 Right

On what date did symptom(s) begin?

MM / DD / YYYY

Save & Next Back to Previous Page

- PQRI
- Patient Consent
- Patient Registration
 - Patient Information ✓
 - Patient Background ✓
 - Language Preference ✓
 - Contact Information ✓
 - Employment Information ✓
- Appointment Information**
- Referring and Primary Care Physician
- Complete Family History
- Worker's Compensation
- Accident Information
- Emergency Contact

Besides offering iPads/kiosks in the waiting room, you can also link to the questionnaire from your website or even patient portal

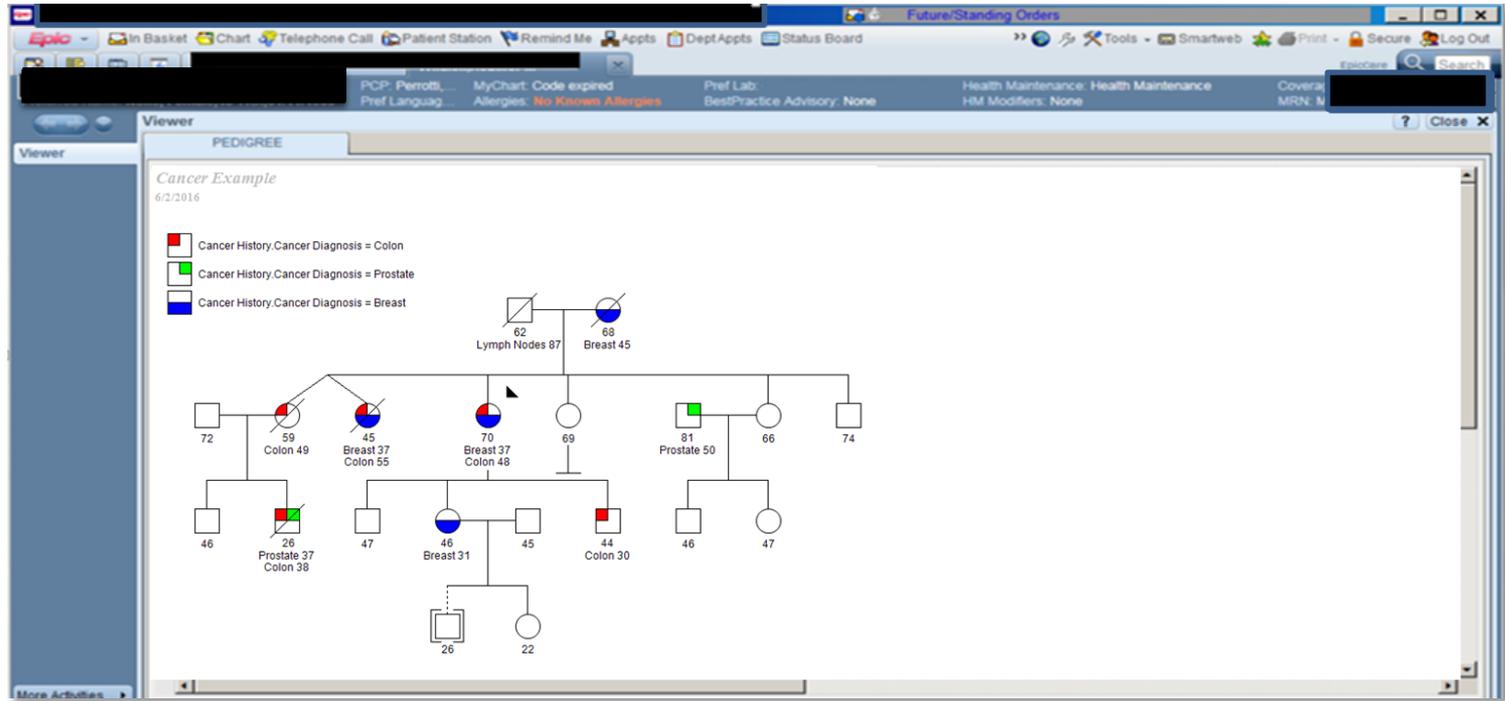
The screenshot shows a web browser window with the URL `risk.progenygenetics.com/Risk2/`. The browser's address bar and tabs are visible. Below the browser, there is a toolbar with various icons like 'Edit', 'Load Fmt', 'Save Fmt', 'Export', 'Count', and 'Undo'. The main content area displays a spreadsheet titled 'Individual Spreadsheet' with the following data:

Pedigree Name	Name: First	Name: Last	Date of Birth	Cancer History?	Cancer History Car	Cancer History Dia	Cancer History Dia	Cancer History Car	Cancer History Pat
Jamie					Colon	40			
Victor FHQ Test 2	Prog	Person	2008 Nov 12	Yes	Anus	44334	Test		
					Adrenal	3	dsfa		
Jamie2					Breast	45			
Vic Move Test			1993 Nov 11		Breast - Right	32	Reported	Adenocarcinoma	
					Brain	45			
Admin Test					Ampulla of Vater				
Jamie3	Jamie	Tester	1984 Jan 23		Breast - Both	50			
Jamie1113's family				Yes	Adrenal				
jtestingbreast's fam	Jennifer	Rigdon			Acoustic Neuroma				
					Ampulla of Vater				
jtestingful's family				Yes	Bladder	45			
Simpson Anna	Anna	Simpson	1971 Jan 11	Yes	Breast	41	Confirmed by recor		
Zach	Zach	Eaton	1989 Dec 6	Yes	Breast - Left	45			

Reporting module allows you to query data about all your patients

	Enc. Date	Enc. Type	Description	Status	Department	Speciality	Chief Complaint	Encounter Provider
Synopsis	06/13/2016	Appointment			YNH SMILOW DE	Oncology		Silber, Andrea L, M
History	06/13/2016	Appointment			YNH DRAW STATI			
History	01/06/2016	Telephone		Open	NE PM INT MED S	Internal Med		Manchet, Julie, RN
Allergies	01/06/2016	Office Visit	Annual physical exam (Primary Dx); Aden...	Closed	NE PM INT MED S	Internal Med	ANNUAL EXAM	Manchet, Kenneth
Problem List	12/14/2015	BLOOD DRAW	Adenocarcinoma of sigmoid colon, Family...		YNH DRAW STATI			
Medications	12/14/2015	Clinical Support		Closed	YNH SMILOW DE	Oncology		
Immunizations	12/14/2015	Office Visit	Adenocarcinoma of sigmoid colon (Primar...	Closed	YNH SMILOW DE	Oncology	FOLLOW-UP VISIT	Silber, Andrea L, M
Immunizations	12/11/2015	Appointment	Canceled (Change of Provider)		YNH SMILOW DE	Oncology		Jain, Kevin R, MD
Immunizations	12/11/2015	Appointment	Canceled (Change of Provider)		YNH DRAW STATI			
Demographics	11/24/2015	Orders Only	Family history of malignant neoplasm of br...	Closed	YNH SMILOW BR	Oncology		Hofstatter, Erin W
Demographics	11/19/2015	Appointment	Canceled (Provider)		YNH SMILOW GY	Oncology		Ratner, Elena S, M
Demographics	11/05/2015	Office Visit	Adenocarcinoma of sigmoid colon (Primar...	Closed	YNH SMILOW GY	Oncology	FOLLOW-UP	Ratner, Elena S, M
Enter/Edit Results	10/26/2015	Telephone	Other	Closed	YMG SMILOW CA	Genetics	OTHER	Neogi, Arpita, MS
Podgrea	10/26/2015	Telephone	Other - Test Cancellation	Closed	YMG SMILOW CA	Genetics	OTHER	Neogi, Arpita, MS
	10/15/2015	Initial consult	Colon cancer (Primary Dx); Family history...	Closed	YMG SMILOW CA	Genetics	COLON CANCERCO	Neogi, Arpita, MS
	10/13/2015	Telephone	Appointment - called to confirm appointment	Closed	YMG SMILOW CA	Genetics	APPOINTMENT	James, Angela
	10/06/2015	Office Visit	Vaginal adhesions (Primary Dx)	Closed	YNH SMILOW GY	Oncology		Azodi, Masoud, M
	10/01/2015	Appointment	Canceled (Other)		YMG SMILOW CA	Genetics		Neogi, Arpita, MS
	10/01/2015	Telephone	Appointment - Cancelled	Closed	YMG SMILOW CA	Genetics	APPOINTMENT	Neogi, Arpita, MS
	09/30/2015	Telephone	Appointment - Confirm	Closed	YMG SMILOW CA	Genetics	APPOINTMENT	Neogi, Arpita, MS
	09/21/2015	Lab	Unspecified hypothyroidism; Routine gene...		GH LAB OUTREA			
	09/21/2015	Clinical Support	Unspecified hypothyroidism (Primary Dx);	Closed	NE PM INT MED S	Internal Med		Manchet, Kenneth
	09/19/2015	Telephone	Appointment - Scheduled	Closed	YMG SMILOW CA	Genetics	APPOINTMENT	Briefley, Kanna, M
	06/17/2014	Documentation			YMG DOCUMENTRY	Documentation		Leone, Thomas, M

Integrate with your EMR by providing a hyperlink to embed in the patient record



When you click the hyperlink, it opens a window right within the EMR screen of the patient's pedigree

FHQ Accounts

ALS Centre, UMC Utrecht
Arizona Oncology
Aurora Health Care
Avera Medical Group
Baylor College of Medicine
Baylor University Medical Center
Beaumont Cancer Institute
Beth Israel Deaconess Medical Center
Boca Regional Hospital
Cedars Sinai
Cedars-Sinai Medical Center
Central Baptist Hospital
Children's National Medical Center
City of Hope
Clearview Cancer Institute
Community Physician Network Breast Care
Crozer Chester Medical Center
Dana Farber Cancer Institute
Dartmouth School of Medicine
Department of Health

Dignity Health, UACC at St. Joseph's Hospital & Medical Center
Fairview Health Services
Geisinger Health System
Helen F. Graham Cancer Center
HonorHealth
Houston Methodist Cancer Center
Illinois Cancer Center
Informed Medical Decisions
Intermountain Healthcare
Johns Hopkins University
Lehigh Valley Health Network
Maine Medical Center Cancer Inst
MD Anderson
MD Anderson Cancer Center
Medical Faculty Associates/George Washington Univ
Medical University of South Carolina
Memorial Sloan-Kettering Cancer Center
Mercy Medical Center DSM
MGH Corrigan Minehan Heart Center
MGH Simches Research Center
Minneapolis Heart Institute
Mount Carmel Health
New York-Presbyterian Hospital

FHQ Accounts

Ohio State University
Penrose Cancer Center
Providence Saint Joseph Medical Center
QOL Medical LLC
Rocky Mountain Cancer Centers
St. Joseph Regional Medical Center
St. Luke's University Health Network
TriHealth Cancer Institute
UCSF Cancer Risk Program
UF Shands Cancer Center
University of Chicago
University of Nebraska Medical Center - Cancer Genetics
University of Pennsylvania
University of Southern California
University of Utah
US Oncology (Smith)
USC Norris Cancer hospital
Victoria General Hospital
Xenon Pharmaceuticals Inc.
Yale University

FEATURES/BENEFITS

- Capture family history data before the clinic visit
- Identify at-risk individuals of your patient population
- Interface with validated risk assessment models to identify inherited risk and improve patient outcomes
- Reduce costs and increase productivity by handling more patients per Genetic Counselor
- No more time consuming and costly data entry - you can focus your time on analysis and consultation
- Automatically draws family pedigree without having to draw by hand
- Order genetic testing and track results seamlessly within the software
- After gathering data from questionnaire, the pedigree and medical history can be accessed, analyzed and modified as a permanent record moving forward
- Integrate with your existing EMR
- Flexible Reporting
- Easily query for data you need for reporting requirements.

ABOUT PROGENY

- Installed at 46 of the top 50 hospitals in the United States (*US News and World Report 2015*)
- Installed in over 2000 sites and 78 countries worldwide since 1996
- Capable of integrating with any EMR system
- Acquired by Ambry Genetics in April of 2015

CONTACT US

QUESTIONS?

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