

# Forms Used to Collect Family History Information at Oregon Federally Qualified Health Centers

## Background

Family history collection is an inexpensive yet powerful tool to improve the health of the population. As knowledge about genetics increases, the case for efficiently collecting family history information from patients is stronger than ever. Most chronic diseases can be strongly linked to genomics, which refers to the interaction between genetics and the environment.

Primary care clinics have the opportunity to play an important role in chronic disease prevention by collecting and evaluating patients' family history information. Most often, patients fill out a form about their family history at their first clinic visit. Then, the provider reviews the family history information with the patient and incorporates this information into preventive screening or treatment plans.

Federally-qualified health centers (FQHCs) are local, non-profit, primary care clinics serving low income and medically underserved communities. There are 26 FQHCs in Oregon.

We had two main goals for this project: 1) determine which diseases are routinely collected, and the number of clinics that ask about each disease; and 2) examine the structure of the various forms.

## Methods

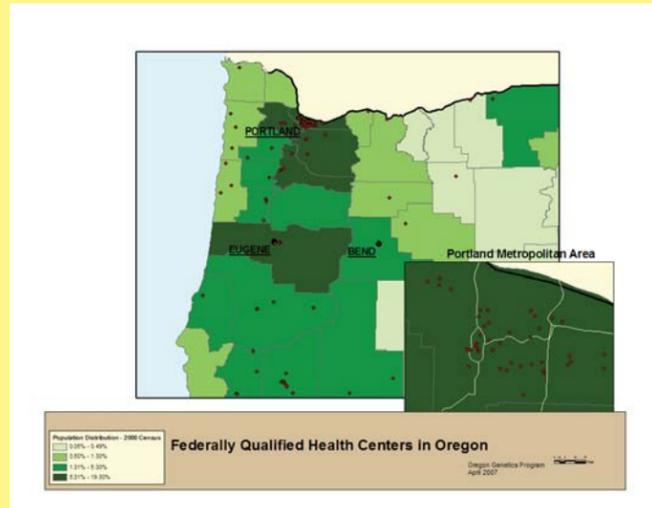
We successfully collected a blank copy of the patient intake form from all 26 FQHCs in Oregon.

We developed a matrix to record information about the forms. A background literature search enabled us to create a list of diseases with the strongest genetic links. These diseases were included during the initial form review. This initial list included heart disease, hypertension, cholesterol abnormalities, cerebrovascular accident (stroke), cancer in general, breast cancer, ovarian cancer, prostate cancer, colorectal cancer, atopy/asthma, diabetes mellitus type II, osteoporosis, psychiatric disorders, depression, and alcoholism.

In the second round of the form review, any diseases that were included on 5 or more forms were added to the initial list. This was a more extensive group than expected, and included anemia, tuberculosis, epilepsy, arthritis, birth defects, thyroid abnormalities, liver disease, kidney disease, headaches, bleeding abnormalities, clotting abnormalities, allergies, and ulcers.

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## Oregon FQHCs



## Forms

Family History	If Living	If Deceased	Has any immediate family member ever had the following
Father	Age at death	Age at death	Alcohol
Mother or Sister			Anemia
			Cancer (specify)
			Diabetes
			High Blood Pressure
			Stroke
			Tuberculosis
			Other

Family History: Has anyone in your family ever had any of the following medical conditions/diagnoses?

I don't know my family history

Asthma

Bleeding disorders

Blood Clots

Cancer (type)

Depression

Diabetes

Heart attack/problems

High Blood Pressure

High cholesterol

Neurologic disorder

Sickle cell anemia

Stroke

Thyroid disease

Tuberculosis

Other

CONDITION	Yes	When Relative?	Age	Decreased?	CONDITION	Yes	When Relative?	Age	Decreased?
CANCER					HIGH BLOOD PRESSURE				
Stroke					HEART DISEASE				
Diabetes					ALCOHOL				
Depression					ASTHMA				
Other					Other				

FAMILY MEDICAL HISTORY

Has a blood relative had the following condition? (See only - mother, father, brother/sister, grandparent)

YES NO

Allergies

Anemia

Birth Defects

Bleeding Disorders

Breast Cancer

Other Cancers

Diabetes

Organizational Abuse

Get Bleeding Problems

Glaucoma

Headaches

Heart Attack/Stroke

Hepatitis

High Blood Pressure

Kidney Disease

Lung Disease

Mental Health/Depression

Obesity/Overweight

Bone Cell Anemia

Seizures

Stroke

Thyroid Disease

Tuberculosis

Other

Have any of your blood relatives (and spouse) at any time had heart attack or stroke other than an accident or trauma?

Top form: This form shows an example of a free response section, which enables the patient to write whatever is pertinent for each close relative. This form has clearly defined which family members should be included. On the right, there is also a section with specific diseases. Very few forms had a combination of these two formats.

Second form: This form shows an example of a checklist for specific diseases. It does not define which family members should be included in responses. It also does not ask for information such as age of onset, age of death, or cause of death of family members.

Third form: Here, again, family is not defined. However, more information is collected than on the previous form.

Bottom form: This form clearly states which family members should be included in responses. The structure is focused on specific diseases. This style prompts patients to think about certain diseases.

## Results

Ninety-six percent of the FQHCs in Oregon have a family history section on their initial patient intake form. There was a remarkable amount of variety in the forms, both in the diseases included and in the basic structure.

Using these results, the next step is to evaluate which form structures are the most useful in efficiently collecting pertinent family history information. As more is learned about genomics and disease prevention, the diseases for which family history information should be routinely asked will become more apparent. Through the use of efficient and evidence-based forms, family history information can be more easily collected and used in helping to prevent chronic disease.

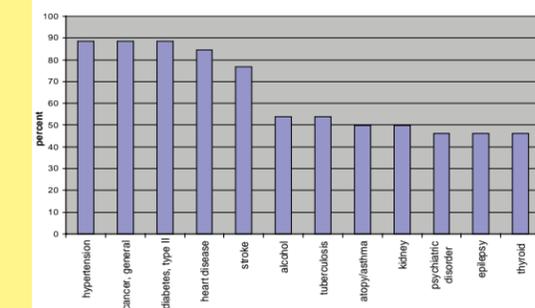
### Form Structure

Characteristic	Percent
family defined	50
1st degree relatives	65.4
2nd degree relatives	46.2
household member	11.5
age of onset	3.8
age of death	15.4
cause of death	19.2
no family history	3.8
free response	23.1
other conditions	65.4

### Explanations:

- family defined:** Does the form define the family members which the patient should include in providing family history information?
- 1st degree relatives:** Does the form ask for information about 1st degree relatives? First degree relatives include parents, siblings, and children (biological).
- 2nd degree relatives:** Does the form ask for information about 2nd degree relatives? Second degree relatives include grandparents, aunts, and uncles (biological).
- household member:** Does the form ask for information about household members?
- age of onset:** Does the form ask for the age of onset of disease?
- age of death:** Does the form ask for the age of death of family members?
- cause of death:** Does the form ask for the cause of death of relatives?
- no family history:** Is a family history section absent from the form?
- free response:** Does the form have a free response section for collecting family history?
- other conditions:** Are other conditions besides those on our list asked about?

Most common diseases appearing on forms



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