

## Reed Family

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Carolyn and John Reed brought their one year-old daughter Samantha to the Clinical Genetics Center because they are concerned that she might have Osteogenesis Imperfecta (OI). John has previously been diagnosed with OI and recently Samantha has shown symptoms of the condition. For example, Samantha broke her arm while taking a few steps from the living room coffee table to the sofa. Carolyn and John have two other children, neither of whom has shown any symptoms of OI.

Osteogenesis Imperfecta is a hereditary condition that affects collagen. Collagen is a protein that helps provide structure for bone growth. People with OI Type I have an average of 20 to 40 fractures before they reach puberty. After puberty the number of fractures decreases significantly. The fractures seem to be due to fragile bone structure. Scoliosis (curvature of the spine) is also common. Individuals with OI Type I tend to have triangular-shaped faces, a bluish tint to the whites of their eyes, and often show signs of hearing loss in their teens, twenties or thirties.

Name : Samantha Reed Sex: female Age: 1 yr  
Birth weight: 6 lbs 14 oz Birth length: 18 1/2 inches

Were there any complications or problems at the time of birth? If yes, please explain.  
*none*

Complete the following, including ages and dates where known.

**SURGERIES OR HOSPITALIZATIONS:**

*none*

**ILLNESSES, CHRONIC INFECTIONS AND OTHER HEALTH PROBLEMS**

*Samantha broke her arm a month ago when she fell while she was trying to walk*

**SPECIAL TREATMENT, THERAPY, PRESCRIPTIONS**

*Her arm is in a cast*

Child's current height 24 1/4 in. weight 21 lbs

Describe behavioral/emotional concerns:

What is it about your child that causes concerns?

*Samatha's father has OI and we are concerned that she may have it.*

When were these concerns or problems first noted?

*Our first two children (Tim and Heather) do not have OI, but we know that there is a 50/50 chance that any child of ours could have it. Now that Samantha broke her arm we are quite concerned.*

What have you been told about the child's problems?

*We know quite a bit about OI since Samantha's father has it.*

What questions do you want to get answers for at this time?

Name of person completing this form Carolyn Reed

Relationship to child mother

Subject's Name: Samantha Reed Age: 1 yr

Brothers/Sisters

(Please include all brothers/sisters, half-brothers/sisters, living and deceased, including pregnancy losses and stillbirths.)

Name and age	Sex	Health/medical problems; birth problems or defects; physical, mental, or developmental concerns
<i>Heather</i> 3 yrs.	<i>f</i>	<i>It seems that Heather bruises more easily than Tim</i>
<i>Timothy</i> 7 yrs.	<i>m</i>	

Are any of the parents or grandparents of the above children related to each other? If so, please explain.

*no*

Is there anything else in the personal, medical, or family histories which you want us to know about?

Father's name: John Reed Age: 37

Height: 5 feet 9 inches Occupation: bicycle shop owner

Health/medical problems, surgeries, hospitalizations, medical testing/treatments; physical, mental concerns; congenital problems or unusual features.

*John has been diagnosed with OI. He had numerous broken bones when he was a child, although he hasn't had any since he was 18 years old.*

Father's brothers and sisters. Living and deceased.

Name and birthdate	Sex	Health concerns	His/Her children Name, age, sex	Health concerns
<i>Charles Reed</i>	<i>m</i>	<i>Had pneumonia twice as a child</i>		
<i>Bob Reed</i>	<i>m</i>			
<i>Kathy Reed</i>	<i>f</i>	<i>Has numerous allergies</i>	<i>Ingrid-9 yrs-female-also has numerous allergies Marie-7 yrs-female</i>	

Father's mother's name: Ruth Reed Age: 65

If deceased, cause of death and age: \_\_\_\_\_

Father's father's name: Frank Reed\* Age: 67

If deceased, cause of death and age: \_\_\_\_\_

Are there any other family members not listed here with birth defects, handicapping conditions, mental retardation or other concerns? If so, please explain.

*\*Frank is very hard of hearing. He had numerous broken bones as a child and has mild scoliosis*

Mother's name: Carolyn Reed Age: 37

Height: 5 feet 6 inches Occupation: accountant

Health/medical problems, surgeries, hospitalizations, medical testing/treatments;  
physical, mental concerns; congenital problems or unusual features.

*-broken wrist at age 17 from a skiing accident*

*-nearsighted*

Mother's brothers and sisters. Living and deceased.

Name and birthdate	Sex	Health concerns	His/Her children Name, age, sex	Health concerns

Mother's mother's name Florence Harris Age: 58

If deceased, cause of death and age: \_\_\_\_\_

Mother's father's name: Bill Harris Age: 61

If deceased, cause of death and age: \_\_\_\_\_

Are there any other family members not listed here with birth defects, handicapping conditions, mental retardation or other concerns? If so, please explain.

*Bill's brother Ted is hard of hearing.*