

A family with a history of Down Syndrome

Practising drawing a genetic family history - Worksheet 13

Introduction

David and Sarah Everett are thinking of having children but they are concerned because there is a family history of Down Syndrome on Mrs Everett's side of the family. Use the family history information below to draw the family tree.

Information about David and Sarah's family

- David Everett (aged 35) was previously married to Lucy but they are now divorced. They had no children.
- David has no brothers or sisters. His parents Bob (aged 60) and Margaret (aged 58), are both fit and well.
- David's wife Sarah is aged 32. Sarah's parents are Frank (aged 61) and Alice Hughes (aged 60), both are fit and well. Frank and Alice also have a son, Tom Hughes aged 30 and a daughter, Lily aged 20. Lily has Down Syndrome.
- Tom Hughes is married to Sophie (aged 28). Tom and Sophie have a son, Jasper, aged 5 who is fit and well.
- The second pregnancy of Tom and Sophie ended in a miscarriage at 14 weeks gestation.
- Their youngest child is Oliver, aged 1, who has Down Syndrome.
- Alice Hughes remembers her mother saying that Alice had a younger sister, Evelyn, who died soon after birth. She had a congenital heart problem and blockage of the duodenum.
- Alice cannot ask her parents for further information as they are now both deceased.
- Don't forget to date and sign the genetic family history pedigree.
- **Wherever possible it is helpful to record dates of birth, but sometimes these are not available. In which case ages may be recorded, as shown in this pedigree.**

Draw the genetic family history (pedigree) here

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