

Drawing family trees

A family history of developmental delay

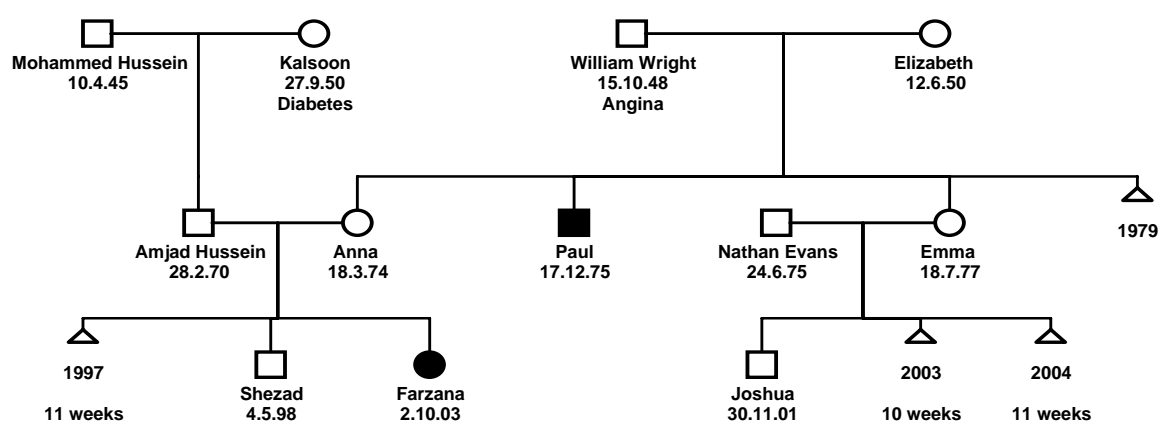
Introduction:

Amjad and Anna Hussein are asking whether it might be possible to diagnose the cause of the developmental delay and unusual physical features which their daughter Farzana has. They give you the following information about their families. Use this to draw their family tree.

Information about Farzana's family

- Amjad (date of birth: 28.2.70) and Anna (date of birth 18.3.74) are both fit and well.
- They have two children, Shezad (date of birth 4.5.98) who is well and attends normal school, and Farzana (date of birth 2.10.03) who has developmental delay and unusual physical features. They also had a miscarriage at 11 weeks gestation in 1997.
- Anna has a brother Paul (date of birth 17.12.75) who has developmental delay and unusual physical features similar to Farzana, and a sister, Emma Evans (date of birth 18. 7.77) who is married to Nathan Evans (date of birth 24.6.75).
- Emma and Nathan have a healthy son, Joshua (date of birth 30.11.01). They also had two miscarriages, the first was at 10 weeks gestation in 2003, the second at 11 weeks gestation in 2004.
- The parents of Anna, Paul and Emma are William (date of birth 15.10.58) and Elizabeth (date of birth 12.6.50) Wright. William has angina. They had a miscarriage at 10m weeks gestation in 1979.
- Amjad is an only child. His parents, Mohammed (date of birth 10.5.45) and Kalsoon (date of birth 27.9.50) are both alive. Kalsoon has diabetes.

Farzana's family tree



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- Amjad is an only child. His parents, Mohammed (date of birth 10.5.45) and Kalsoon (date of birth 27.9.50) are both alive. Kalsoon has diabetes.

Drawing family trees

A family history of a renal condition

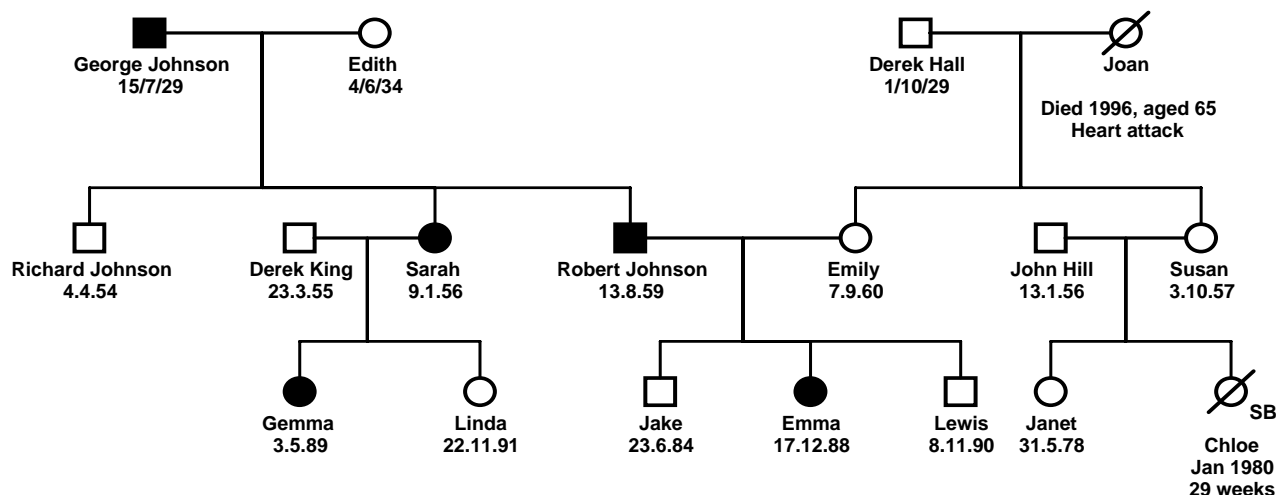
Introduction:

Jake Johnson is thinking about getting married. He wants to find out whether any children he has will be at risk of the condition that runs in his family. He gives you the following information about his family. Use this to draw his family tree.

Information about Jake's family

- Jake Johnson (date of birth: 23.6.84) is fit and well.
- He has a sister Emma (date of birth 17.12.88) who has the kidney condition that runs in the family.
- He also has a brother Lewis (date of birth 8.11.90) who is unaffected.
- Their father Robert (date of birth 13.8.59) is affected but their mother Emily (date of birth 7.9.60) is unaffected.
- Emily has a sister Susan Hill (date of birth 3.10.57) who is married to John Hill (date of birth 13.1.56).
- Susan and John Hill have a daughter Janet (date of birth 31.5.78) who is well; they also had a daughter, Chloe, stillborn at 29 weeks gestation in January 1980.
- Emily and Susan's father is Derek Hall (date of birth 1.10.29) who is well, but their mother Joan Hall died at the age of 65 in 1996 from a heart attack.
- Robert Johnson has a brother Richard (date of birth 4.4.54) who is unaffected. He also has a sister Sarah (date of birth 9.1.56) who is affected and married to Derek King (date of birth 29.3.55).
- Sarah and Derek have two daughters, Gemma (date of birth 3.5.89) who is affected and Linda (date of birth 22.11.91) who is unaffected.
- The parents of Richard, Sarah and Robert are George (date of birth 15.7.29) who is affected and Edith (date of birth 4.6.34) who is unaffected.

Jake's family tree



- Jake Johnson (date of birth: 23.6.84) is fit and well.
- He has a sister Emma (date of birth 17.12.88) who has the kidney condition that runs in the family.
- He also has a brother Lewis (date of birth 8.11.90) who is unaffected.
- Their father Robert (date of birth 13.8.59) is affected but their mother Emily (date of birth 7.9.60) is unaffected.
- Emily has a sister Susan Hill (date of birth 3.10.57) who is married to John Hill (date of birth 13.1.56).
- Susan and John Hill have a daughter Janet (date of birth 31.5.78) who is well; they also had a daughter, Chloe, stillborn at 29 weeks gestation in January 1980.
- Emily and Susan's father is Derek Hall (date of birth 1.10.29) who is well, but their mother Joan Hall died at the age of 65 in 1996 from a heart attack.
- Robert Johnson has a brother Richard (date of birth 4.4.54) who is unaffected. He also has a sister Sarah (date of birth 9.1.56) who is affected and married to Derek King (date of birth 23.3.55).
- Sarah and Derek have two daughters, Gemma (3.5.89) who is affected and Linda (22.11.91) who is unaffected.
- The parents of Richard, Sarah and Robert are George (date of birth 15.7.29) who is affected and Edith (date of birth 4.6.34) who is unaffected.

Drawing family trees

A son with a muscle disorder

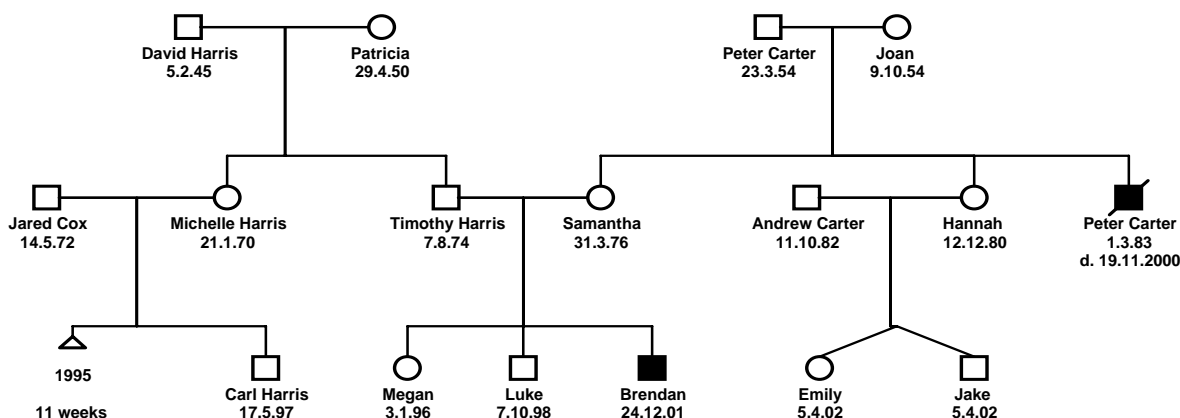
Introduction:

Samantha Harris has been referred following the recent diagnosis of a muscle problem in her son Brendan. Use the family history information below to draw the family tree.

Information about Brendan's family

- Brendan Harris (date of birth 24.12.01) has recently been diagnosed with a muscle problem.
- He has a sister Megan (date of birth 3.1.96) and brother Luke (date of birth 7.10.98) who are both fit and well.
- Their parents, Samantha (date of birth 31.3.76) and Timothy (date of birth 7.8.74) Harris are also fit and well.
- Samantha has a sister, Hannah Carter (date of birth 12.12.80) who is married to Andrew Carter (date of birth 11.10.82).
- Hannah and Andrew have twins, Emily (date of birth 5.4.02) and Jake.
- Samantha also had a brother, Peter (date of birth 1.3.83) who had a muscle problem and died on 19.11.2000.
- The parents of Samantha, Hannah and Peter are Peter (date of birth 23.3.54) and Joan (date of birth 9.10.54) Carter; they are alive and well.
- Timothy Harris has one sister, Michelle Harris (date of birth 21.1.70) who has a partner, Jared Cox (date of birth 14.5.72).
- Jared and Michelle had a pregnancy which miscarried at 11 weeks in 1995. They have a son, Carl (date of birth 17.5.97) Harris who is alive and well.
- Timothy and Michelle's parents, David (date of birth 5.2.45) and Patricia (date of birth 29.4.50) Harris, are alive and well.

Brendan's family tree



- Brendan Harris (date of birth 24.12.01) has recently been diagnosed with a muscle problem.
- He has a sister Megan (date of birth 3.1.96) and brother Luke (date of birth 7.10.98) who are both fit and well.
- Their parents, Samantha (date of birth 31.3.76) and Timothy (date of birth 7.8.74) Harris are also fit and well.
- Samantha has a sister, Hannah Carter (date of birth 12.12.80) who is married to Andrew Carter (date of birth 11.10.82).
- Hannah and Andrew have twins, Emily (date of birth 5.4.02) and Jake.
- Samantha also had a brother, Peter (date of birth 1.3.83) who had a muscle problem and died on 19.11.2000.
- The parents of Samantha, Hannah and Peter are Peter (date of birth 23.3.54) and Joan (date of birth 9.10.54) Carter; they are alive and well.
- Timothy Harris has one sister, Michelle Harris (date of birth 21.1.70) who has a partner, Jared Cox (date of birth 14.5.72).
- Jared and Michelle had a pregnancy which miscarried at 11 weeks in 1995. They have a son, Carl (date of birth 17.5.97) Harris who is alive and well.
- Timothy and Michelle's parents, David (date of birth 5.2.45) and Patricia (date of birth 29.4.50) Harris, are alive and well.

Drawing family trees

Two children with a respiratory disorder

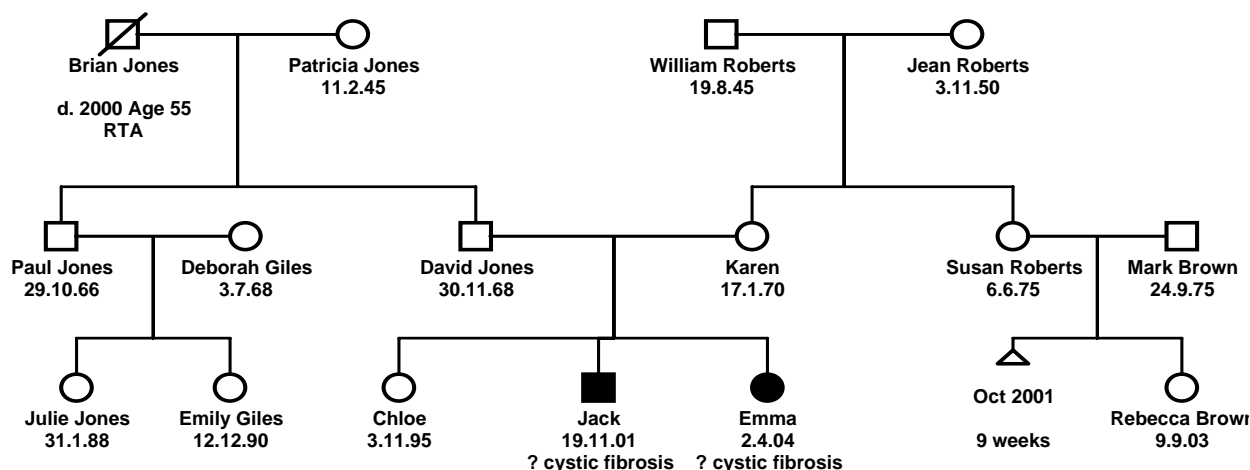
Introduction:

Karen and David Jones have two children with respiratory problems. They are waiting for the results of tests to see whether the diagnosis is cystic fibrosis. Use the family history information below to draw the family tree

Information about Jack and Emma's family

- Jack Jones (date of birth 19.11.01) and his sister Emma (date of birth 21.4.04) both have a respiratory problem, which may be cystic fibrosis.
- They also have an older sister Chloe (date of birth 3.11.95) who is unaffected.
- Their parents, Karen (date of birth 17.1.70) and David (date of birth 30.11.68) Jones are both fit and well.
- Karen has a sister, Susan Roberts (date of birth 6.6.75) who has a partner, Mark Brown (date of birth 24.9.75).
- Susan and Mark had a miscarriage at 9 weeks gestation in October, 2001. They have a daughter, Rebecca Brown (date of birth 9.9.03) who is well.
- Karen and Susan's parents are William (date of birth 19.8.45) and Jean (date of birth 3.11.50) Roberts.
- David Jones has a brother, Paul Jones (29.10.66) who has a partner, Deborah Giles (date of birth 3.7.68).
- Paul and Deborah have two daughters, Julie Giles (date of birth 31.1.88) and Emily Giles (date of birth 12.12.90).
- Paul and David's mother Patricia Jones (date of birth 11.2.45) is well. His father, Brian Jones, died in 2000 aged 55 in a road traffic accident.

Jack and Emma's family tree



- Jack Jones (date of birth 19.11.01) and his sister Emma (date of birth 21.4.04) both have a respiratory problem, which may be cystic fibrosis.
- They also have an older sister Chloe (date of birth 3.11.95) who is unaffected.
- Their parents, Karen (date of birth 17.1.70) and David (date of birth 30.11.68) Jones are both fit and well.
- Karen has a sister, Susan Roberts (date of birth 6.6.75) who has a partner, Mark Brown (date of birth 24.9.75).
- Susan and Mark had a miscarriage at 9 weeks gestation in October, 2001. They have a daughter, Rebecca Brown (date of birth 9.9.03) who is well.
- Karen and Susan's parents are William (date of birth 19.8.45) and Jean (date of birth 3.11.50) Roberts.
- David Jones has a brother, Paul Jones (29.10.66) who has a partner, Deborah Giles (date of birth 3.7.68).
- Paul and Deborah have two daughters, Julie Giles (date of birth 31.1.88) and Emily Giles (date of birth 12.12.90).
- Paul and David's mother Patricia Jones (date of birth 11.2.45) is well. His father, Brian Jones, died in 2000 aged 55 in a road traffic accident.