

family relationships in your family tree for both blood relatives and relatives by marriage.

Gedmatch Hints

On Gedmatch the column headed "Gen", which means "Generations". The number in this column means the estimated number of generations back to the common ancestor shared by you and your match. The generation estimates are "not etched in stone – they are etched in sand at best!"

This is due to the random way that DNA is inherited between each generation – it is very common, once you get beyond a couple of generations, for a segment of DNA to remain intact and be passed down over several generations without changing. This means that the number of generations given with your match might also be exactly the same as that shown with your match's parent or grandparent!

Also remember that in many adoption cases in the first 3 Generations there is a ½ remove going on. Look at my own results:

My ½ sister (mother side) is 1.4 gen and matches me on the X at 127.8 total; 66.9 largest cM.

My ½ sister (father side) is 1.6 gen and matches me on the X at 196.1 total; 196.1 largest cM.

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|----------------|--|---------------------------------------|
| Gen 1 | It's always going to be a parent-child relationship | From ISOGG statistics |
| Gen 1.2 | Oddly, this is always a sibling relationship | |
| Gen 1.4 | Half-sibling, Uncle ~ niece or aunt | |
| Gen 1.5 | Uncle ~ niece or aunt | |

This makes sense: the common ancestors for uncle/aunt are their parents, which are 1 generation, but for you, it's our grandparents, 2 generations. Therefore, the Gedmatch Generation is calculated as being between 1 and 2 = 1.5

Gen 1.6 Uncle/aunt ~ niece/nephew

Gen 1.9

1C (first cousins), whose common ancestors are their grandparents, which is 2 generations

Gen 2.2

1C (first cousins)

1C1R (first cousins once removed)

Gen 2.3

1C1R (first cousins once removed)