

Genetic relationship to relatives:

In general, you share an average of 50% less DNA with an ancestor with each additional generation. To find how much DNA you likely share with a cousin, consider that they have also inherited 50% less DNA with each generation. A modified version of the genealogical relationship chart shows this below.

Start	parent	grandparent	1st great-grandparent	2nd great-grandparent	3rd great-grandparent	4th great-grandparent	5th great-grandparent	6th great-grandparent	7th great-grandparent
parent	Sibling 50.000%	25.000%	12.500%	6.250%	3.125%	1.563%	0.781%	0.391%	0.195%
grandparent	25.000%	1 st Cousin 12.500%	6.250%	3.125%	1.563%	0.781%	0.391%	0.195%	0.098%
1st great-grandparent	12.500%	6.250%	2 nd Cousin 3.125%	1.563%	0.781%	0.391%	0.195%	0.098%	0.049%
2nd great-grandparent	6.250%	3.125%	1.563%	3 rd Cousin 0.781%	0.391%	0.195%	0.098%	0.049%	0.024%
3rd great-grandparent	3.125%	1.563%	0.781%	0.391%	4 th Cousin 0.195%	0.098%	0.049%	0.024%	0.012%
4th great-grandparent	1.563%	0.781%	0.391%	0.195%	0.098%	5 th Cousin 0.049%	0.024%	0.012%	0.006%
5th great-grandparent	0.781%	0.391%	0.195%	0.098%	0.049%	0.024%	6 th Cousin 0.012%	0.006%	0.003%
6th great-grandparent	0.391%	0.195%	0.098%	0.049%	0.024%	0.012%	0.006%	7 th Cousin 0.003%	0.002%
7th great-grandparent	0.195%	0.098%	0.049%	0.024%	0.012%	0.006%	0.003%	0.002%	8 th Cousin 0.001%