

Ancestry Composition

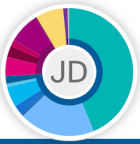
Summary

Scientific Details

Frequently Asked Questions

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Jamie 100%

European 74.0%

● Eastern European 43.8% >

Silesian Voivodeship, Poland

+3 regions

● Southern European 22.3% v

● Spanish & Portuguese 19.3% >

● Italian 0.4% >

● Broadly Southern European 2.6% v

● Northwestern European 6.0% v

● French & German 5.2% >

● British & Irish 0.2% >

● Broadly Northwestern European 0.6% v

● Ashkenazi Jewish 0.1% >

● Broadly European 1.8% v

Sub-Saharan African 17.5%

● West African 9.5% v

● Ghanaian, Liberian & Sierra Leonean 4.9% >

● Senegambian & Guinean 2.9% >

● Broadly West African 1.7% v

● Congolese & Southern East African 7.6% v

● Angolan & Congolese NEW 7.6% >

Kongo & Mbundu peoples

● Broadly Sub-Saharan African 0.4% v

Indigenous American 7.0%

● Indigenous American 7.0% >

Western Asian & North African 1.1%

● North African 1.1% >

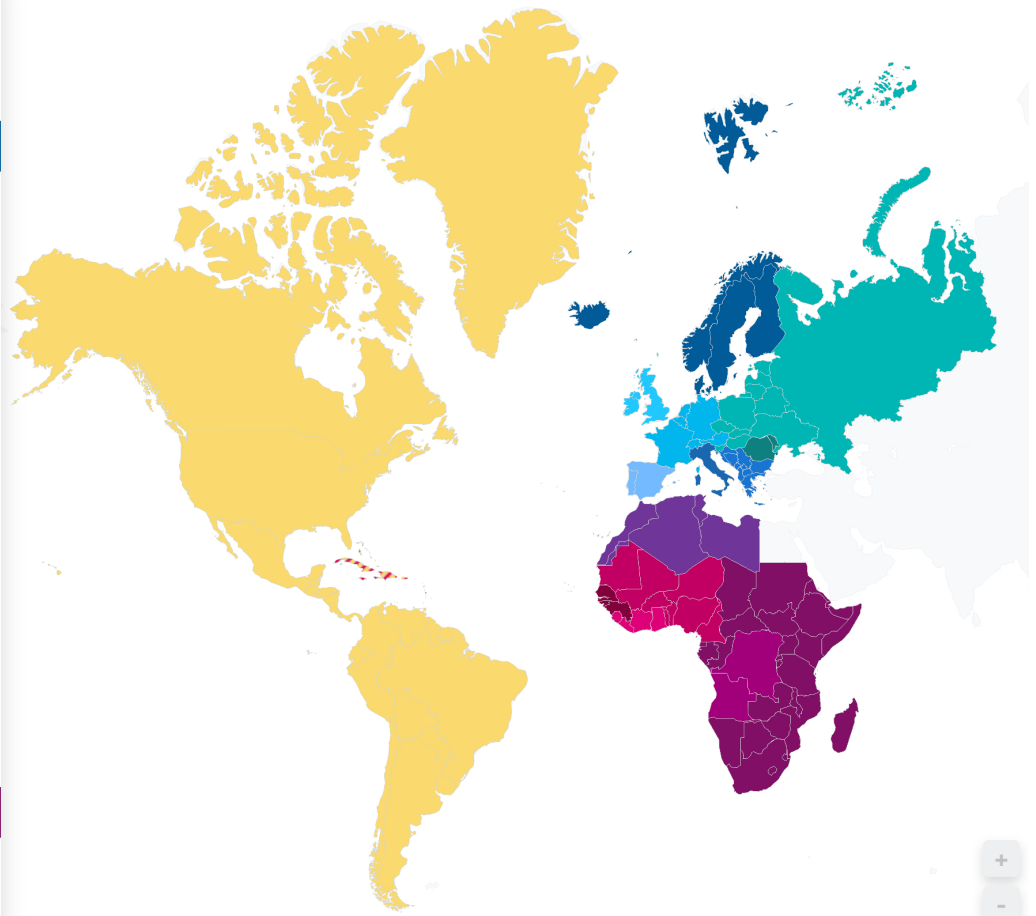
Unassigned 0.4%

Recent Ancestry in the Americas ⓘ

Caribbean >

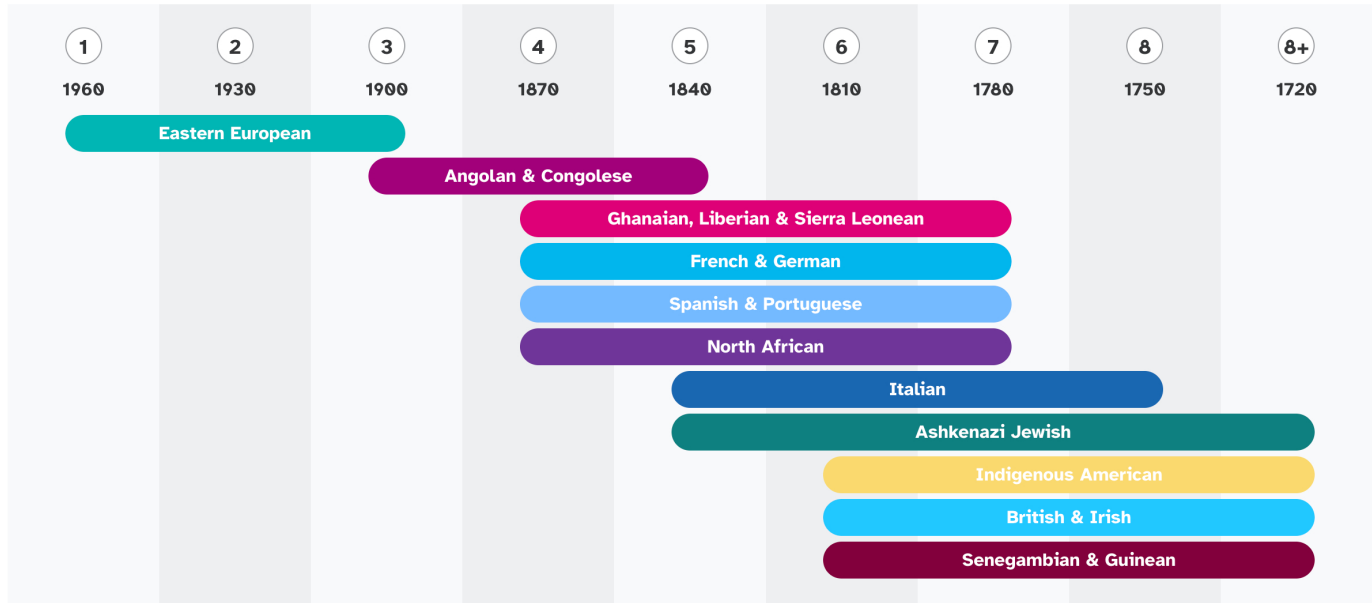
Ponce, Puerto Rico

+9 regions



Your Ancestry Timeline

How many generations ago was your most recent ancestor for each population?



[Learn about how to interpret this result](#) ^

How to interpret this result

- This module uses your Ancestry Composition results to estimate the generation range where you are likely to have had a single relative who descended from a single population.
- These results may be helpful for learning about your genealogy, in figuring out from which ancestors a particular ancestry may have been inherited, or for piecing together the history of their likely migrations.
- For technical details on how this feature works, [read our white paper](#).

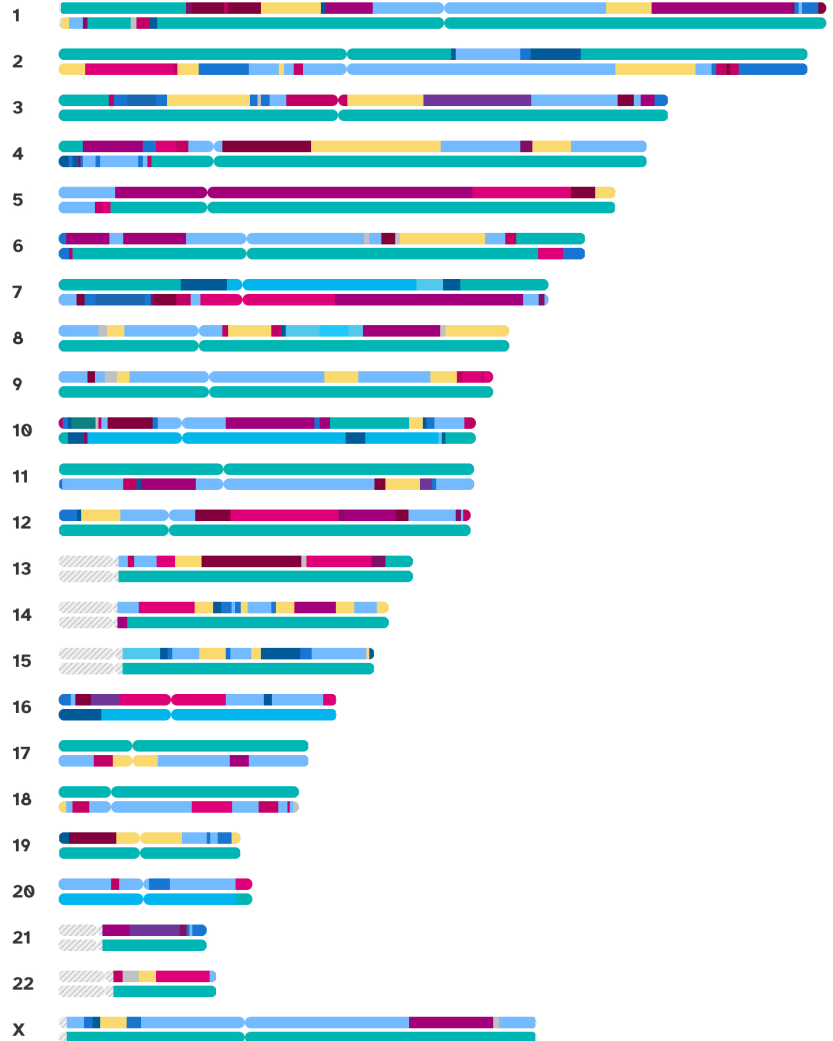
Your Ancestry Composition Chromosome Painting

These are your chromosomes; we've painted them with your Ancestry Composition results. The first 22 are called autosomes and come in pairs of two, each represented by one of the colored horizontal lines in the graphic below. Chromosomes have different lengths, and are named 1 through 22, when sorted by size (scientists are not very creative). Lastly, we also look at ancestry on your X chromosome: two copies like the autosomes if you are female, and only one copy if you're male (that you got from mom).

You can also download your full ancestry chromosomal data in CSV format on the [Scientific Details page](#).

Change confidence level ▾

Jamie Doe		100%
European		74.0%
● Eastern European		43.8%
● Southern European		22.3%
● Spanish & Portuguese		19.3%
● Italian		0.4%
● Broadly Southern European		2.6%
● Northwestern European		6.0%
● French & German		5.2%
● British & Irish		0.2%
● Broadly Northwestern European		0.6%
● Ashkenazi Jewish		0.1%
● Broadly European		1.8%
Sub-Saharan African		17.5%
● West African		9.5%
● Ghanaian, Liberian & Sierra Leonean		4.9%
● Senegambian & Guinean		2.9%
● Broadly West African		1.7%
● Congolese & Southern East African		7.6%
● Angolan & Congolese		7.6%
● Broadly Sub-Saharan African		0.4%
Indigenous American		7.0%
● Indigenous American		7.0%
Western Asian & North African		1.1%
● North African		1.1%
Unassigned		0.4%
○ No Data Available		



Ancestry Composition

[Summary](#)[Scientific Details](#)[Frequently Asked Questions](#)

Your Ancestry Composition Results

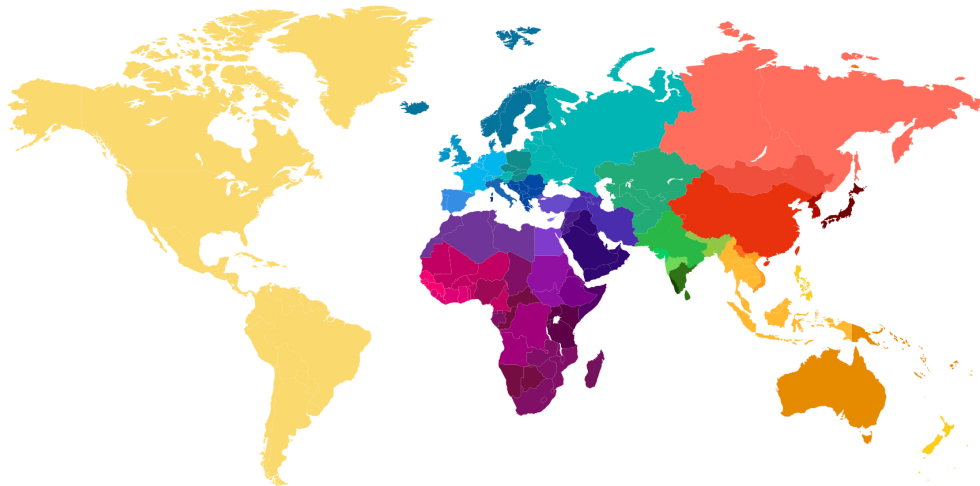
At the heart of your Ancestry Composition report is your **ancestral breakdown**: a list of your population percentages arranged in a hierarchy from the continental level to the regional level. Listed beneath each regional population percentage, you may also find matches to groups of people who share more recent ancestry with you.

How we calculate your ancestral breakdown

To determine your ancestral breakdown, we use an algorithm that individually looks at short pieces of DNA across your genome. We compare each piece to DNA from reference populations from around the world (i.e., thousands of individuals with known ancestry). When a piece of your DNA resembles the DNA from a specific reference population with a high degree of confidence, it is assigned to that population. Sometimes a piece of DNA resembles reference DNA from several populations, in which case it is assigned to a "broad" ancestry (e.g., Northwestern European). If a piece of DNA does not closely resemble reference DNA from any populations, then that piece of DNA shows up in your results as Unassigned ancestry. These assignments are tallied across your genome to determine your final results. By default, your results are calculated at a 50% confidence level; you can see how your results change with different confidence levels in the [Chromosome Painting](#) section.

Read our [Ancestry Composition Guide](#) for more details about how we assign your DNA to different ancestries.

Current Ancestry Populations



How we match you to genetic groups

Clues about the locations, languages, or ethnic groups of your recent ancestors are intended to complement your ancestral breakdown and provide a more recent and detailed view of your ancestry. To determine these results, we identify groups of people with known and shared ancestry, based on their DNA and reported ancestor information. These individuals act as a reference who represent specific ethnic and ethnolinguistic groups. With over 400,000 reference individuals, we can identify over 2000 different regions and genetic groups around the world. Then, to match you to a genetic group, we look for identical pieces of DNA that you have in common with the reference individuals. As our customer database expands, the number of reference individuals and genetic groups will continue to grow, enabling new ancestry insights for all customers.

For each match to a genetic group — whether it's a group of people with known connections to a country, a language, or an ethnic group — we indicate our confidence in the result, reported as "possible match," "likely match," or "highly likely match." If we are not able to detect a match with confidence, we report this to you as "not detected."

If you have a match to a group that is within a specific country, you will see that country in your Ancestry Composition map. In some cases, you may also see evidence of ancestry from more specific subregions within that country, down to the state or even county level.

Ancestry Composition

[Summary](#)[Scientific Details](#)[Frequently Asked Questions](#)

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If you have a match to a group associated with specific ethnicities, languages, or cultures, you will see a regional outline on your map that represents where those individuals say their ancestors are from. Unlike your country matches, these outlines typically do not match political borders. Your results are a living analysis and will improve over time as more people with known ancestry join our gene pool.

Have more questions? Read our [Frequently Asked Questions](#).

Our Reference Datasets

Your results

Reference datasets

This table shows the number of reference individuals used to define each ancestry population. The reference datasets are made up of individuals from publicly available datasets including the [Human Genome Diversity Project](#), [HapMap](#), and the [1000 Genomes project](#), as well as individuals from private 23andMe data collections and a large number of 23andMe customers who have consented to participate in research. In total, there are 12,400 research-consented customers and 2,412 non-customers in these population reference datasets.

Population	Total
European	6350 ^
● Eastern European	785
Belarusian, Czech, Estonian, Hungarian, Latvian, Lithuanian, Polish, Russian, Slovak, Slovene, Ukrainian	
● Southern European	1592
● Spanish & Portuguese	357
Gibraltarian, Portuguese, Spanish	
● Italian	596
Italian, northern Italian, Tuscan	
● Greek & Balkan	614
Albanian, Bosnian and Herzegovinian, Bulgarian, Croatian, Greek, Kosovan, Macedonian, Maltese, Moldovan, Montenegrin, Romanian, Serbian	
● Sardinian	25
● Northwestern European	2966
● French & German	957
Austrian, French, German, Belgian, Dutch, Swiss	
● British & Irish	1014
Irish, United Kingdom	
● Finnish	364
● Scandinavian	631
Danish, Faroese, Icelandic, Norwegian, Swedish	
● Ashkenazi Jewish	1007
Sub-Saharan African	1991 ^
● West African	719
● Ghanaian, Liberian & Sierra Leonean	281
Ivorian, Ghanaian, Liberian, Mende, Temne, Limba, Sierra Leonean	
● Senegambian & Guinean	158
Gambian, Guinean, Bissau-Guinean, Mandenka, Senegalese	
● Nigerian	280
Nigerian, Yoruba, Esan	
● Congolese & Southern East African	721

● Angolan & Congolese	597
● Southern East African	124
Kenyan, Burundian, Kenyan Luhya, Rwandan, Tanzanian, Ugandan	
● African Hunter-Gatherer	41
Biaka, Mbuti, San	
● Northern East African	510
● Ethiopian & Eritrean	171
● Somali	150
● Sudanese	189
Indigenous American	74 ^
● Indigenous American	
Colombian, Karitiana, Maya, Pima, Surui, Guatemalan	
Western Asian & North African	2210 ^
● North African	332
Algerian, Libyan, Moroccan, Mozabite, Tunisian	
● Arab, Egyptian & Levantine	961
● Coptic Egyptian	120
● Egyptian	185
● Levantine	400
Druze, Jordanian, Lebanese, Palestinian, Syrian	
● Peninsular Arab	256
Emirati, Iraqi, Kuwaiti, Omani, Qatari, Saudi, Yemeni	
● Northern West Asian	917
● Anatolian	359
Turkish	
● Cypriot	158
● Iranian, Caucasian & Mesopotamian	400
Armenian, Assyrian, Azerbaijani, Iranian, Iraqi, Georgian	
Central & South Asian	1636 ^
● Bengali & Northeast Indian	245
Assamese, Bangladeshi, Bengali, Khasi, Manipuri, Meghalayan, Nagalandese	
● Central Asian	161
Afghan, Burusho, Kazakh, Kyrgyz, Pashtun, Pakistani from the Federally Administered Tribal Areas, Tajik, Uzbek, Turkmen	
● Gujarati Patidar	152
● Malayali Subgroup	189
Keralite	
● Northern Indian & Pakistani	300
Bihari, Gujarati, Haryanvi, Kashmiri, Madhya Pradesh, Punjabi, Rajasthani, Sindhi, Uttarakhandi	
● Southern Indian & Sri Lankan	289
Goan, Kannadiga, Malayali, Tamil, Telugu, Sri Lankan	
● Southern Indian Subgroup	300
East Asian	2522 ^
● Chinese	1146
● Northern Chinese & Tibetan	400
Chinese, Han, Tibetan	

● South Chinese	346
Chinese, Han, Hong Kongese	
● Southern Chinese & Taiwanese	400
Chinese, Han, Taiwanese	
● Chinese Dai	82
● Filipino & Austronesian	164
● Indonesian, Thai, Khmer & Myanma	77
Indonesian, Cambodian, Thai, Myanma, Malaysian	
● Japanese	474
● Korean	341
North Korean, South Korean	
● Northern Asian	41
● Manchurian & Mongolian	19
Daur, Mongolian, Oroqen	
● Siberian	22
Yakut	
● Vietnamese	197
Melanesian	29 ^
● Melanesian	
Non-Austronesian Melanesian, Papuan	

Download your Ancestry Composition raw data for even more information. Genomic coordinates (NCBI Build 37) for your Ancestry Composition results are available in CSV format.

Select Confidence Level ⓘ

50% ▾

[Download Raw Data](#)

Change Log

Your results are regularly updated based on new information. See the record of your result recalculations below.

Ancestry Composition v6.0

Genotyping chip: Version 5

Ancestral breakdown last computed on July 24, 2022

Recent ancestor locations last computed on July 23, 2021

Aug 12, 2020

Ancestry Composition v5.9

Sep 09, 2019

Ancestry Composition v5.2

[See all events](#) ▾