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Distribution of European Y-chromosome DNA (Y-DNA) haplogroups by region in percentage

Last update : July 2009 (Portugal + Belgium)

Human Y-chromosome DNA can be divided in genealogical groups sharing a common ancestor. These are called haplogroups. To know what ancient ethnic group is associated with each haplogroup, please check European Haplogroups : origins, geographic spread and relation to ethnic groups.

Note that figures are only indicative. Several sources were used and averages recalculated by merging the data available. Being approximations, numbers were rounded up to 0.5%. Frequencies inferior to 0.25% are indicated as 0%. A non-exhaustive list of the sources used for this page can be found here.

Ethnicities by haplogroup (simplified - subclades used for specifics)

Not mentioned: Q: Asiatic, American

Mesolithic Europeans

Mesolithic Eurasians

Neolithic, Bronze & Iron Age immigrants

I1 : pre-Germanic (Nordic)

N1c1 : Uralo-Finnic, Baltic, Siberian

E1b1b : North & East African, Near Eastern, Balkanic

I2b : pre-Celto-Germanic

R1a : Balto-Slavic, Mycenaean Greek, Macedonian

J2 : Mesopotamian, Minoan Greek, Phoenician

I2a1 : Sardinian, Basque

R1b : Italic, Celtic, Germanic ; Hittite, Armenian

J1 : Semitic (Arabic, Jewish)

I2a2 : Dinaric, Danubian

G2a : Caucasian, Greco-Anatolian

T : Near-Eastern, Egyptian, Ethiopian, Arabic

Region/Haplogroup	I1	I2a	I2b	R1a	R1b	G2a	J2	J1	E1b1b	T (+ L)	Q	N1c1
Albania	3	17	3	9	16	2	24.5	3.5	22	0	0	0
Austria	12	6	2	26	23	8	12	0	9	1	0.5	0.5
Belarus	3	25	1	45	10	0	1.5	0	9	1.5	1	3
Belgium	12.5	3.5	4.5	4	59.5	4	5	1	4	1	0.5	0
Bulgaria	3	33	1	14	18	1	17	0	12	1	0	0
Croatia	8	42	1	29	8	1	3.5	0	6	1.5	0	0

Czech Republic	11	9	4	34	22	5	6	0	6	1	1.5	0.5
Denmark	30.5	0.5	5	12.5	44.5	1	3	0	2.5	0	0	1.5
England	14	2.5	4.5	4.5	67	1.5	3.5	0	2	0.5	0.5	0
Estonia	15	3	0.5	32	8	0	1	0	2.5	3.5	0.5	34
Finland	28	0	1	7.5	3.5	0	0	0	1	0	0.5	58.5
France	9.5	3	4	2.5	61	5	7	0	7	1	0	0
Germany	16	1.5	4.5	16	44.5	5	4.5	0	5.5	1	0.5	1
☐ North Germany	18	1	5	23	38	3.5	4	0.5	2.5	1	2	1.5
☐ East Germany	19.5	1	3	24	36	4	2	0	7.5	1	1	1
☐ West Germany	13	2.5	7	9	47	5	5	0	8	1.5	0.5	1.5
☐ South Germany	9.5	5	3	9.5	48.5	7.5	5.5	1	7.5	1.5	0.5	0.5
Greece	4	10	1.5	12	12	3.5	25	2	27	3	0	0
Hungary	8	15	2.5	32.5	17	5	7	0	9.5	1	1	1
Iceland	33	0	0	23	42	0	0	0	0	0	1	1
Ireland	7	2	4	3	79	1	1.5	0	2	0	0	0
Italy	2.5	3	1	2.5	49	7	18	2	11	4	0	0
☐ North Italy	6	2.5	2.5	3.5	55	2.5	11.5	0.5	11	4.5	0	0
☐ Central Italy	3	2	5	3.5	43	8.5	19.5	2	10	3.5	0	0
☐ South Italy	2.5	2.5	2.5	2.5	29	8.5	23.5	5	18	5.5	0	0
☐ Sicily	3	1	1	4.5	30	5.5	26.5	4	17.5	6	1	0
☐ Sardinia	0	37	0	0	22	15	10	2.5	10	1.5	2	0
Latvia	6	1	1	40	12	0	0.5	0	0.5	0.5	0.5	38

Lithuania	6	6	1	38	5	0	0	0	1	0.5	0.5	42
Netherlands	18.5	1	6	6	53.5	2.5	6	0	4.5	1	0.5	0.5
Norway	36	0	1	28	28	0.5	1	0	1	0.5	0.5	4
Poland	6	9	1	56.5	16.5	2	1	1	3.5	0	0	0
Portugal	2	1.5	3	1.5	58	6.5	8	3	12.5	2	0.5	0
Romania	1.5	17.5	2	22	22	1	24	0	6	2	2	0
Russia	5	10.5	0	46	6	1	3	0	2.5	1.5	1.5	23
Scotland	9	1	4	8.5	72.5	0.5	2	0	1.5	0.5	0.5	0
Serbia	2	29	4	15	7	1	10	1	24	7	0	0
Slovakia	6	10	1	40	23	1	4	0	11	1	2.5	0.5
Spain	2	4	1	2	69	3	4	1	6	1	0	0
Sweden	42	0	2	23.5	21	0.5	1	0	1	0	0.5	7
Switzerland	7	1	3	5	48	10	6	0	9	0.5	0.5	0
Turkey	1	4	0.5	7.5	15	11	21	12.5	11	2	2	4
Ukraine	2	12	1	50	4	4	10	0	8	2	5	2
Wales	6	0.5	1	2	82	4	1.5	0	2	1	0	0

Notes

Turkey is the only country that includes a sizeable percentage of Asian and African haplogroups not listed in this table (A, ExE1b1b, C, H, L, O, R2) representing 8.5% of the total. Haplogroup L alone makes up 4% of the Turkish population.

The division of Italy is as follows: North Italy is everything until Liguria and Emilia-Romagna; Central Italy comprises Tuscany, Marche, Umbria, Latium and Abruzzo. South Italy is everything else to the south, except Sardinia and Sicily, which have been made into separate categories due to their specific history and relative geographic isolation. [Sources for the Italian regional breakdown.](#)

Our division of Germany was made this way : North Germany includes the Schleswig-Holstein, Lower Saxony (+ Hamburg and Bremen) and Mecklenburg-Western Pomerania. West Germany is the Rhineland, Hesse and Saarland. South Germany is Baden-Württemberg and Bavaria. East Germany is composed of Brandenburg, Berlin, Saxony-Anhalt, Saxony and Thuringia.

The sample size for each country or region is at least of 100. Italy, Germany, England and Ireland have over 2000 samples each, France and Spain over 1000, Portugal over 900, Belgium over 750, the Netherlands, Finland and Hungary over 650, Greece and Turkey over 500.

Surrounding regions

Region/Haplogroup	I	R1a	R1b	G	J2	J1	E	T	L	Q	N	Others
Egypt	0.5	2	4	10	1	22	44	8	0	0	0	7
Georgia	3	8	12	31	28	6	2	2	3	0	0	5
Iran	3	16.5	6.5	10	12	10	4.5	3	4	4	2.5	27
Iraq	5	6.5	11	3	27	31	11	7	3	0	0	0
Lebanon	3.5	3	6.5	5	34	13	20	3.5	5	1	0	5.5
Morocco	0	0	4	4	3	9	80	0	0	0	0	0
Syria	5	10	13.5	3	17	30	11.5	5	3	0	0	2
Tunisia	1	1	4.5	3.5	4	30	52	4	0	0	0	0

Y-DNA haplogroups map of Europe and the Near East by country

Right-click to zoom in.