

Supplementary Materials: Challenges in Translating GWAS Results to Clinical Care

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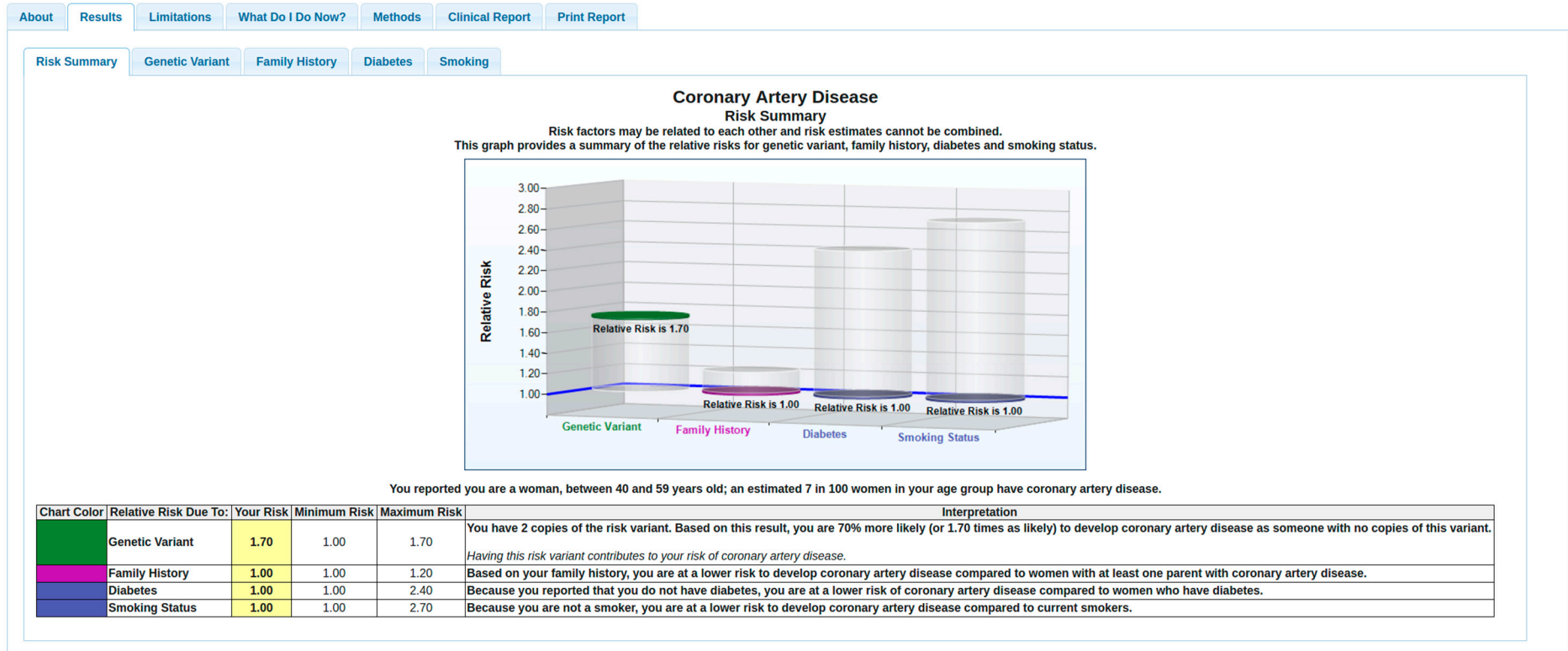


Figure S1. Example Personalized coronary artery disease (CAD) Risk Report. Figure S1 displays an example Coriell Personalized Medicine Collaborative (CPMC) risk report that displays genetic and non-genetic risk factors for CAD. The Risk Summary includes visualization of risk with the relative risk plotted on the *y*-axis and each risk factor displayed on the *x*-axis. The CAD report includes risk estimated from genetic variant, self-reported family history, self-reported diabetes status, and self-reported smoking status. Numerical relative risks, overall risk ranges, and risk interpretations are included in tabular form.

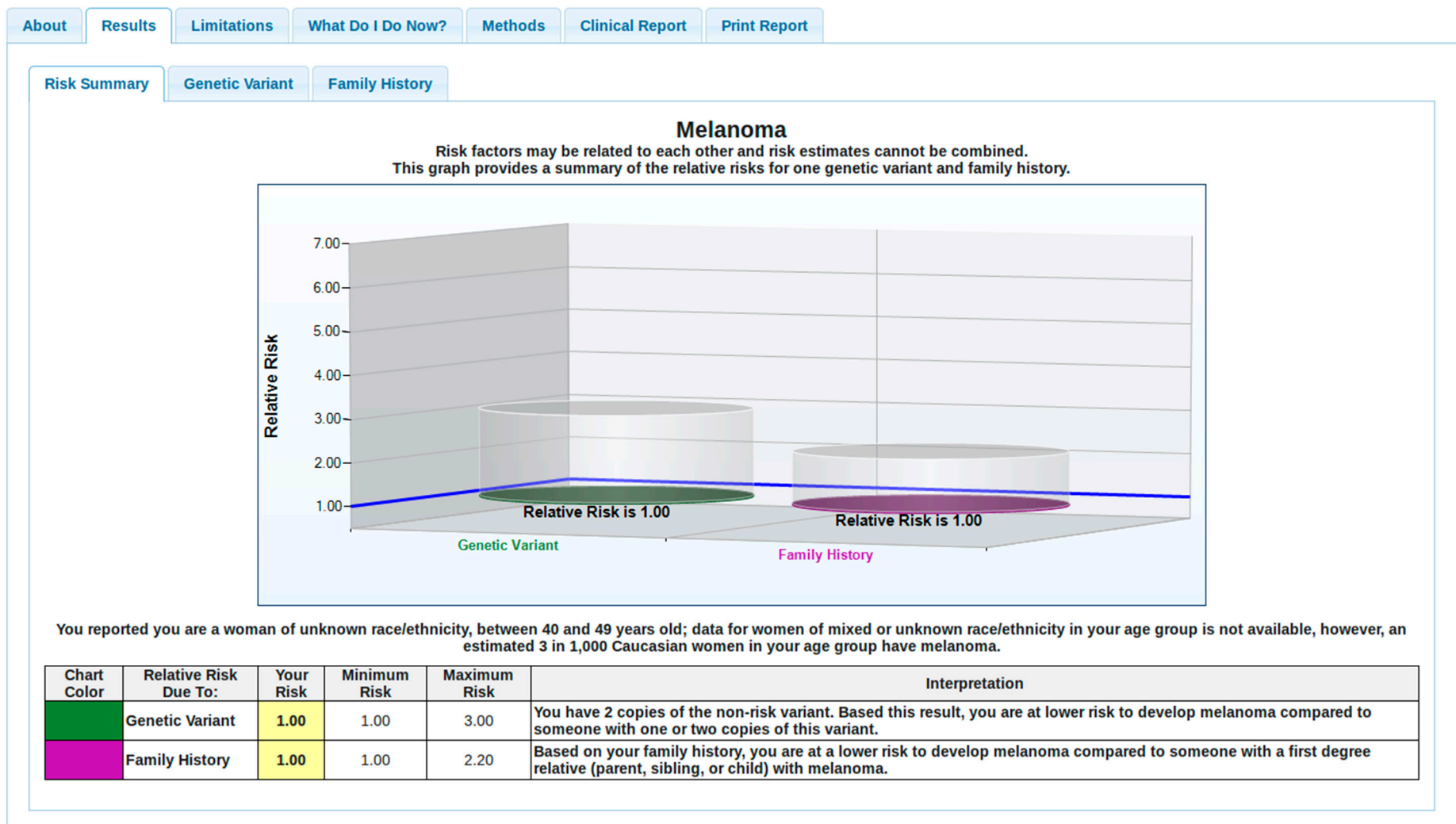


Figure S2. Example Personalized Melanoma Risk Report. Figure S2 displays an example CPMC risk report that displays risk factors for Melanoma. The Risk Summary includes visualization of risk with the relative risk plotted on the *y*-axis and each risk factor displayed on the *x*-axis. The Melanoma report includes risk estimated from genetic variant and self-reported family history. Numerical relative risks, overall risk ranges, and risk interpretations are included in tabular form.



Figure S3. World Map of Phase 3 1000 Genomes Population Samples. Figure S1 displays each of the 26 population samples included in the Phase 3 1000 Genomes data. The numbers correspond to the descriptions that are listed in Table S1.

Table S1. Phase 3 1000 Genomes Population Samples.

ID	Code	Population Sample Description
1	CHB	Han Chinese in Beijing, China
2	JPT	Japanese in Tokyo, Japan
3	CHS	Southern Han Chinese
4	CDX	Chinese Dai in Xishuangbanna, China
5	KHV	Kinh in Ho Chi Minh City, Vietnam
6	CEU	Utah Residents (CEPH) with Northern and Western European Ancestry
7	TSI	Toscani in Italia
8	FIN	Finnish in Finland
9	GBR	British in England and Scotland
10	IBS	Iberian Population in Spain
11	YRI	Yoruba in Ibadan, Nigeria
12	LWK	Luhya in Webuye, Kenya
13	GWD	Gambian in Western Divisions in the Gambia
14	MSL	Mende in Sierra Leone
15	ESN	Esan in Nigeria
16	ASW	Americans of African Ancestry in SW USA
17	ACB	African Caribbeans in Barbados
18	MXL	Mexican Ancestry from Los Angeles USA
19	PUR	Puerto Ricans from Puerto Rico
20	CLM	Colombians from Medellin, Colombia
21	PEL	Peruvians from Lima, Peru
22	GIH	Gujarati Indian from Houston, Texas
23	PJL	Punjabi from Lahore, Pakistan
24	BEB	Bengali from Bangladesh
25	STU	Sri Lankan Tamil from the UK
26	ITU	Indian Telugu from the UK