

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Brittany (FR)
sex	No	4.65	2.64	2.5	0.89	0.36
nbrbaby	No	1.52	0	0	0	5.17
nbrmalf	Yes	4.89	1.77	0	0	8.28
type	No	0	0.04	0	0	0
weight	Yes	3.21	4.69	0.43	1	3.45
gestlength	No	7.53	4.14	2.67	0.66	1.53
death_date	Yes	31.75	2.39	97.58	0	98.33
survival	Yes	6.82	4.49	0	0	0.63
whendisc	No	4.02	12.04	0.5	0.56	2.12
agedisc	Yes	1.37	3.11	1.06	0.09	0.49
condisc	No	53.34	1.8	1.67	100	4.88
karyo	No	40.27	86.24	61.1	1.92	14.84
pm	Yes	75.24	95.63	79.13	80.63	59.1
datemo	No	14.68	2.22	0.17	0	100
residmo	No	19.54	0.5	0	100	100
agemo	No	1.47	2.15	0.17	0	3.07
pre_still	No	99.89	99.39	100	100	100
totpreg	No	45.33	4.64	3.51	0.66	7.99
occupmo	No	73.74	71.02	9.52	100	35.87
assconcept	No	53.2	41.63	12.19	0.89	20.08
illbef1	No	53.77	3.3	75.13	56.29	21.98
illdur1	No	49.57	4.45	77.3	40.06	25.26
drugs1	No	85.99	76.47	80.63	72.02	84.11
omim	No	59	100	99.67	96.3	100
consang	No	53.45	86.01	20.03	1.17	99.31
prevsib	No	73.24	2.87	94.16	99.34	9.25
sib1	Yes	34.76	0	0	0	0.34
sibanom	No	70.8	53.2	88.31	99.91	8.42
moanom	No	71.71	64.85	93.16	100	24.96
faanom	No	73.9	77.12	93.66	100	30.56
sp_karyo	Yes	7.28	2.43	0	0.54	2.3
sp_drugs1	Yes	99.32	99.05	99.58	100	95.26
sp_sibanom	Yes	28.29	3.52	3.12	0	100
sp_moanom	Yes	27.49	0	0	0	100
sp_faanom	Yes	31.06	0.84	0	0	100
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0	0	0	0
sp_malfo2	Yes	2.73	0	0	0	0.05

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Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Brittany (FR)
sp_malfo3	Yes	2.84	0	0	0.25	0.12
sp_malfo4	Yes	2.86	0	0	0	0.23
sp_malfo5	Yes	2.39	0	0	0	0
sp_malfo6	Yes	2.84	0	0	0	0
sp_malfo7	Yes	3.09	0	0	2.78	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	99.96	0.17	13.94	6.96
firstpre	No	58.97	32.35	52.59	13.85	12.66
sp_firstpre	Yes	11.78	0	0	100	14.81
surgery	No	50.57	37.91	23.87	19.05	12.3
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	95.63	96.83	96.02	99.76
sp_consang	Yes	18.26	14.74	35	100	100
matedu	No	78.86	71.37	23.21	74.45	69.78
socm	No	81.37	100	69.45	100	38.54
socf	No	85.79	100	68.11	100	45.16
migrant	No	67.1	100	94.99	100	15.47
aetiology	No	94.55	100	100	100	100
folic_g14	No	66.41	83.25	48.41	36.59	75.87
bmi	No	54.55	48.03	38.06	1.36	43.65
matdiab	No	69.98	73.02	97.66	99.58	69.33
hba1c	No	99.89	100	100	100	100
gentest	No	68.8	76.58	89.98	60.97	44.45
sp_gentest	Yes	41.81	4.65	0	98.17	100
firsttri	No	66.45	63.17	82.64	39.82	53.04
presyn	Yes	5.01	5.67	2.65	0.41	1.18
premal1	Yes	11.07	16.79	3.38	0	0.72
premal2	Yes	10.75	19.06	3	0	1.63
premal3	Yes	10.32	20.52	3.78	0.98	2.38
premal4	Yes	9.83	19.53	7.69	0.95	3.47
premal5	Yes	9.4	20.61	11.29	0.8	3.24
premal6	Yes	10.9	26.06	21.21	1.54	4.48
premal7	Yes	12.64	30.12	31.25	2.78	5.56
premal8	Yes	13.34	35.29	0	0	11.11

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2018 to 2022

Variable	Conditional	All full members registries	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)	French West Indies (FR)
sex	No	4.65	3.51	5.49	2.72	1.97
nbrbaby	No	1.52	0	0.64	0.07	0
nbrmalf	Yes	4.89	0	0.39	0.86	0
type	No	0	0	0	0	0
weight	Yes	3.21	1.39	0.46	0.91	0.61
gestlength	No	7.53	0.28	6.43	1.45	0
death_date	Yes	31.75	0.44	0	55.29	1.43
survival	Yes	6.82	0.11	0.31	26.72	0.26
whendisc	No	4.02	0.18	2.8	0.12	0
agedisc	Yes	1.37	0	1	0.56	0
condisc	No	53.34	1.29	100	0	0.09
karyo	No	40.27	2.86	56.53	3.13	0.54
pm	Yes	75.24	78.12	95.1	25.07	44.39
datemo	No	14.68	0.09	0	2.86	0.45
residmo	No	19.54	1.75	0	6.69	0
agemo	No	1.47	0.09	0	3.13	0.45
pre_still	No	99.89	99.17	100	99.57	100
totpreg	No	45.33	7.57	100	1.61	0.27
occupmo	No	73.74	78.49	100	55.93	2.69
assconcept	No	53.2	53.55	89.57	18.02	0.09
illbef1	No	53.77	65.74	98.81	0	0.36
illdur1	No	49.57	67.13	100	0.05	0.36
drugs1	No	85.99	95.01	100	80.13	77.76
omim	No	59	93.72	0	56.82	99.46
consang	No	53.45	47.37	66	19.46	0.45
prevsib	No	73.24	46.72	100	80.8	0.72
sib1	Yes	34.76	4	0	0	5.26
sibanom	No	70.8	46.26	100	80.8	0.18
moanom	No	71.71	58.45	100	9.55	0.54
faanom	No	73.9	61.5	100	9.55	2.33
sp_karyo	Yes	7.28	0	0.46	20.47	0.61
sp_drugs1	Yes	99.32	100	0	100	99.07
sp_sibanom	Yes	28.29	8.05	0	0	13.16
sp_moanom	Yes	27.49	1.08	0	67.53	6.06
sp_faanom	Yes	31.06	6	0	68.75	15.91
sp_syndrome	Yes	0	0	0.09	0	0
sp_malfo1	Yes	3.69	0	0.24	0	0
sp_malfo2	Yes	2.73	0	0.48	0	0

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Data for years 2018 to 2022

Variable	Conditional	All full members registries	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)	French West Indies (FR)
sp_malfo3	Yes	2.84	0	0	0	0
sp_malfo4	Yes	2.86	0	0.27	0	0
sp_malfo5	Yes	2.39	0	0.56	0	0
sp_malfo6	Yes	2.84	0	2.2	0	0
sp_malfo7	Yes	3.09	0	0	0	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	0	0	0	0
firstpre	No	58.97	0.28	100	0.24	0.63
sp_firstpre	Yes	11.78	100	0	50	50
surgery	No	50.57	1.94	74.62	90.28	17.58
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	92.89	95.51	55.16	96.32
sp_consang	Yes	18.26	25	0	49.3	0
matedu	No	78.86	77.01	100	19.34	4.48
socm	No	81.37	70.36	100	52.08	14.62
socf	No	85.79	77.1	100	26.53	14.08
migrant	No	67.1	52.17	100	37.14	1.43
aetiology	No	94.55	12	100	100	100
folic_g14	No	66.41	78.58	81.7	77.84	0.9
bmi	No	54.55	75.9	73.13	19.44	3.68
matdiab	No	69.98	72.11	100	7.72	0.72
hba1c	No	99.89	100	100	100	98.65
gentest	No	68.8	4.16	100	37	1.43
sp_gentest	Yes	41.81	5.06	0	71.16	14.57
firsttri	No	66.45	75.07	100	54.99	1.88
presyn	Yes	5.01	0.64	0.65	0.26	0.31
premal1	Yes	11.07	0.2	4.46	13.21	0.1
premal2	Yes	10.75	0.55	3.87	59.3	0
premal3	Yes	10.32	0.43	4.74	72.52	0
premal4	Yes	9.83	1.23	6.49	76.06	0
premal5	Yes	9.4	0.91	2.81	78.95	0
premal6	Yes	10.9	0	4.4	75	0
premal7	Yes	12.64	5.88	4.08	33.33	0
premal8	Yes	13.34	5.41	4.17	0	0

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Data for years 2018 to 2022

Variable	Conditional	All full members registries	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)	Malta (MT)
sex	No	4.65	1.44	2.33	0.25	0
nbrbaby	No	1.52	0	0	0	0
nbrmalf	Yes	4.89	0	0	0	63.64
type	No	0	0	0.07	0	0
weight	Yes	3.21	0	4.38	0.16	1.1
gestlength	No	7.53	0	2.54	0.3	0.83
death_date	Yes	31.75	1.37	96.98	30.64	92.9
survival	Yes	6.82	0	0.28	0	0
whendisc	No	4.02	0	0.71	0.08	0.69
agedisc	Yes	1.37	0	2.78	0.17	1.57
condisc	No	53.34	0.16	3.46	0.04	0
karyo	No	40.27	0.48	21.33	1.23	3.45
pm	Yes	75.24	70.13	31.21	75.2	0.55
datemo	No	14.68	0.48	1.27	0.25	0
residmo	No	19.54	100	1.62	0.08	0
agemo	No	1.47	0.48	1.41	0.25	0
pre_still	No	99.89	100	99.08	100	100
totpreg	No	45.33	1.28	5.23	0.38	0.14
occupmo	No	73.74	99.52	98.16	3.82	17.66
assconcept	No	53.2	2.56	73.31	0.42	0.55
illbef1	No	53.77	0.8	67.3	0.47	0.14
illdur1	No	49.57	0.48	68.79	0.51	2.07
drugs1	No	85.99	71.88	85.73	87.41	58.62
omim	No	59	100	97.74	99.62	100
consang	No	53.45	48.56	72.39	0.89	0.55
prevsib	No	73.24	0.48	98.31	0.59	0.14
sib1	Yes	34.76	0	25	0	0
sibanom	No	70.8	0.16	88.56	0.59	0.14
moanom	No	71.71	1.12	91.17	0.55	0.14
faanom	No	73.9	2.4	94.07	1.1	0.14
sp_karyo	Yes	7.28	1.19	36.11	0.11	14.93
sp_drugs1	Yes	99.32	100	99.59	99.95	100
sp_sibanom	Yes	28.29	32	3.85	4.32	0
sp_moanom	Yes	27.49	0	3.77	0.45	8.33
sp_faanom	Yes	31.06	4.55	4.76	3.12	0
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0	0	0	0
sp_malfo2	Yes	2.73	0	0.27	0	0

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Variable	Conditional	All full members registries	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)	Malta (MT)
sp_malfo3	Yes	2.84	0	0	0	0
sp_malfo4	Yes	2.86	0	0	0	0
sp_malfo5	Yes	2.39	0	0	0	0
sp_malfo6	Yes	2.84	0	0	0	0
sp_malfo7	Yes	3.09	0	0	0	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	0.16	0.49	0	0.14
firstpre	No	58.97	0.48	42.09	49.39	2.07
sp_firstpre	Yes	11.78	0	0	0	0
surgery	No	50.57	1.28	2.05	18.4	2.62
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	96.17	95.48	96.31	95.45
sp_consang	Yes	18.26	45.45	68.75	0	0
matedu	No	78.86	100	99.65	7.38	5.66
socm	No	81.37	100	99.29	58.12	100
socf	No	85.79	100	99.58	34.93	100
migrant	No	67.1	0.16	97.74	0.64	0.83
aetiology	No	94.55	100	100	99.66	100
folic_g14	No	66.41	50.96	99.79	4.28	3.31
bmi	No	54.55	3.19	99.86	2.88	36.97
matdiab	No	69.98	1.44	74.15	0.64	0.55
hba1c	No	99.89	100	100	98.26	99.17
gentest	No	68.8	89.78	26.2	1.44	3.59
sp_gentest	Yes	41.81	46.43	24.67	5.83	40.79
firsttri	No	66.45	1.44	98.87	2.25	1.24
presyn	Yes	5.01	0	0.91	0	3
premal1	Yes	11.07	0.55	1.29	0	1.13
premal2	Yes	10.75	0.68	2.45	0	1.24
premal3	Yes	10.32	1.79	2.7	0.37	2.47
premal4	Yes	9.83	0	3.77	0	2.63
premal5	Yes	9.4	0	4.35	0	0
premal6	Yes	10.9	0	12.5	0	0
premal7	Yes	12.64	0	0	0	0
premal8	Yes	13.34	0	0	0	0

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Data for years 2018 to 2022

Variable	Conditional	All full members registries	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)	Navarra (ES)
sex	No	4.65	2.94	5.25	0.2	1.57
nbrbaby	No	1.52	0.03	0.64	0	0
nbrmalf	Yes	4.89	0	4.58	1.75	0
type	No	0	0	0	0	0
weight	Yes	3.21	2.74	4.71	10.1	2.18
gestlength	No	7.53	2.16	20.73	5.32	0
death_date	Yes	31.75	83.29	0	0	96.86
survival	Yes	6.82	0.04	0.7	0	0
whendisc	No	4.02	1.01	2.46	1.89	0.26
agedisc	Yes	1.37	0.53	2.46	0.74	0
condisc	No	53.34	0.21	100	3.39	1.31
karyo	No	40.27	22.07	69.22	0.71	0.79
pm	Yes	75.24	78.84	92.05	2.24	21.73
datemo	No	14.68	2.73	0	7.6	0.26
residmo	No	19.54	0	0	43.25	11.52
agemo	No	1.47	1.41	0	7.6	0.26
pre_still	No	99.89	100	100	100	100
totpreg	No	45.33	5.9	100	46.16	0.52
occupmo	No	73.74	36.26	100	55.3	99.48
assconcept	No	53.2	5.72	70.73	53.17	0.52
illbef1	No	53.77	0.1	98.97	0	4.45
illdur1	No	49.57	0.18	100	0.12	2.88
drugs1	No	85.99	79.78	100	61.95	99.74
omim	No	59	100	0	87.59	87.43
consang	No	53.45	6.65	61.69	99.76	1.57
prevsib	No	73.24	40.94	100	65.73	3.93
sib1	Yes	34.76	0	0	21.43	4.76
sibanom	No	70.8	4.55	100	57.58	1.05
moanom	No	71.71	6.13	100	51.16	1.57
faanom	No	73.9	11.13	100	53.05	2.36
sp_karyo	Yes	7.28	0.15	0.66	0	0
sp_drugs1	Yes	99.32	99.97	0	99.94	100
sp_sibanom	Yes	28.29	0	0	100	65.38
sp_moanom	Yes	27.49	0.37	0	100	3.7
sp_faanom	Yes	31.06	0	0	100	0
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0	0	0	0
sp_malfo2	Yes	2.73	0	0.1	0	0

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Data for years 2018 to 2022

Variable	Conditional	All full members registries	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)	Navarra (ES)
sp_malfo3	Yes	2.84	0	0.21	0	0
sp_malfo4	Yes	2.86	0	0	0	0
sp_malfo5	Yes	2.39	0	0	0	0
sp_malfo6	Yes	2.84	0	0	0	0
sp_malfo7	Yes	3.09	0	0	0	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	0.03	0	0	0
firstpre	No	58.97	46.37	100	32.53	3.66
sp_firstpre	Yes	11.78	0	0	0	0
surgery	No	50.57	28.54	63.21	26.59	2.09
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	95.48	95.75	95.35	95.29
sp_consang	Yes	18.26	0	0	100	100
matedu	No	78.86	54.51	100	52.11	100
socm	No	81.37	52.14	100	100	99.74
socf	No	85.79	72.5	100	100	100
migrant	No	67.1	2.26	100	100	6.02
aetiology	No	94.55	100	100	100	100
folic_g14	No	66.41	41.88	65.82	48.13	27.49
bmi	No	54.55	20.3	56.04	48.37	2.36
matdiab	No	69.98	4.6	100	49.55	1.57
hba1c	No	99.89	99.51	100	100	98.17
gentest	No	68.8	42.55	100	0	1.83
sp_gentest	Yes	41.81	0.4	0	100	10.77
firsttri	No	66.45	8.68	100	43.52	100
presyn	Yes	5.01	14.3	0.59	0.58	0.56
premal1	Yes	11.07	50.9	3.36	0.71	0
premal2	Yes	10.75	36.62	1.08	0.83	0
premal3	Yes	10.32	26.93	0.64	0.39	0
premal4	Yes	9.83	18.96	0.43	0.24	0
premal5	Yes	9.4	17.12	0	0	0
premal6	Yes	10.9	17.86	1.43	0.6	0
premal7	Yes	12.64	14.29	0	0	0
premal8	Yes	13.34	17.95	0	0	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2018 to 2022

Variable	Conditional	All full members registries	North West England (UK)	Norway (NO)	Paris (FR)	Pleven (BG)
sex	No	4.65	6.04	5.4	0.68	8.56
nbrbaby	No	1.52	0.73	0	0	0
nbrmalf	Yes	4.89	7.29	0	2.96	0
type	No	0	0	0.04	0	0
weight	Yes	3.21	2.38	0.04	0.08	3.78
gestlength	No	7.53	17.97	0.08	0.05	5.84
death_date	Yes	31.75	0	0.09	0.08	92.61
survival	Yes	6.82	0.47	0	0.08	0
whendisc	No	4.02	3.19	0	0.45	0.39
agedisc	Yes	1.37	3.26	0	0	1.04
condisc	No	53.34	100	100	100	71.98
karyo	No	40.27	57.56	100	0.63	88.72
pm	Yes	75.24	95.64	100	100	96.89
datemo	No	14.68	0	100	0	94.94
residmo	No	19.54	0	100	0	100
agemo	No	1.47	0	0	0	5.84
pre_still	No	99.89	100	100	100	100
totpreg	No	45.33	100	0	0.29	100
occupmo	No	73.74	100	27.76	100	100
assconcept	No	53.2	92.14	100	0.63	98.05
illbef1	No	53.77	98.91	99.19	0	100
illdur1	No	49.57	100	95.14	0	100
drugs1	No	85.99	100	71.63	85.11	100
omim	No	59	0	100	98.37	98.05
consang	No	53.45	71.95	12.03	1.37	100
prevsib	No	73.24	100	100	78.74	99.61
sib1	Yes	34.76	0	0	98.76	0
sibanom	No	70.8	100	100	100	99.22
moanom	No	71.71	100	100	100	100
faanom	No	73.9	100	100	100	100
sp_karyo	Yes	7.28	0.65	0	53.04	0
sp_drugs1	Yes	99.32	0	100	100	99.61
sp_sibanom	Yes	28.29	0	0	0	50
sp_moanom	Yes	27.49	0	0	0	0
sp_faanom	Yes	31.06	0	0	0	0
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0.04	100	0.06	0
sp_malfo2	Yes	2.73	0.08	100	0.38	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	North West England (UK)	Norway (NO)	Paris (FR)	Pleven (BG)
sp_malfo3	Yes	2.84	0.09	100	0.19	0
sp_malfo4	Yes	2.86	0	100	0	0
sp_malfo5	Yes	2.39	0	100	0	0
sp_malfo6	Yes	2.84	0	100	1.54	0
sp_malfo7	Yes	3.09	0	100	0	0
sp_malfo8	Yes	2.92	0	100	0	0
civreg	No	6.68	0	100	0	0
firstpre	No	58.97	100	100	21.05	62.26
sp_firstpre	Yes	11.78	0	0	8.33	0
surgery	No	50.57	70.89	100	46.89	32.68
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	96.06	96.68	100	99.22
sp_consang	Yes	18.26	0	100	100	0
matedu	No	78.86	100	100	100	100
socm	No	81.37	100	100	6.79	100
socf	No	85.79	100	100	100	100
migrant	No	67.1	100	100	100	100
aetiology	No	94.55	100	100	100	100
folic_g14	No	66.41	84.16	19.93	100	100
bmi	No	54.55	73.59	100	29.97	100
matdiab	No	69.98	100	100	100	98.83
hba1c	No	99.89	100	100	100	99.61
gentest	No	68.8	100	100	100	96.89
sp_gentest	Yes	41.81	0	0	0	42.86
firsttri	No	66.45	100	100	10.66	100
presyn	Yes	5.01	0.22	100	0.09	78.6
premal1	Yes	11.07	4	100	0.51	82.28
premal2	Yes	10.75	2.71	100	0.1	85.71
premal3	Yes	10.32	2.61	100	0.38	91.3
premal4	Yes	9.83	2.08	100	0.35	85.71
premal5	Yes	9.4	3.39	100	0.56	100
premal6	Yes	10.9	1.23	100	0	100
premal7	Yes	12.64	4.95	100	0	0
premal8	Yes	13.34	3.03	100	0	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Rhone-Alps (FR)	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)
sex	No	4.65	0.4	2.11	2.48	0
nbrbaby	No	1.52	0	0	0.12	0
nbrmalf	Yes	4.89	0	0	0	100
type	No	0	0	0	0	0
weight	Yes	3.21	8.51	3.58	1.63	0
gestlength	No	7.53	5.65	7.27	0.94	0
death_date	Yes	31.75	0	98.61	0.09	100
survival	Yes	6.82	0	0.7	0.09	0
whendisc	No	4.02	0.4	0.4	0.39	100
agedisc	Yes	1.37	3.28	11.35	0.83	0
condisc	No	53.34	0	0	1.3	100
karyo	No	40.27	51.69	1.72	76.13	100
pm	Yes	75.24	89.88	79.26	10.46	100
datemo	No	14.68	0	2.11	0.75	100
residmo	No	19.54	0	8.85	0	100
agemo	No	1.47	4.37	1.98	0.75	0.35
pre_still	No	99.89	100	100	100	100
totpreg	No	45.33	12	6.34	0	100
occupmo	No	73.74	36.11	29.46	100	100
assconcept	No	53.2	4.86	2.91	97.37	100
illbef1	No	53.77	100	0.13	0.16	100
illdur1	No	49.57	99.9	0	0	100
drugs1	No	85.99	75.69	95.24	79.71	100
omim	No	59	100	99.87	100	100
consang	No	53.45	7.74	10.17	85.06	100
prevsib	No	73.24	98.51	98.55	99.06	100
sib1	Yes	34.76	0	0	0	0
sibanom	No	70.8	98.51	96.83	93.31	100
moanom	No	71.71	7.74	86.53	89.19	100
faanom	No	73.9	7.84	86.66	95.71	100
sp_karyo	Yes	7.28	0	2.04	0	0
sp_drugs1	Yes	99.32	100	100	100	100
sp_sibanom	Yes	28.29	0	68.75	0	0
sp_moanom	Yes	27.49	0	0	0	0
sp_faanom	Yes	31.06	0	0	0	0
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	98.11	0.8	0	0
sp_malfo2	Yes	2.73	75.86	0.86	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Rhone-Alps (FR)	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)
sp_malfo3	Yes	2.84	68.51	0	0	0
sp_malfo4	Yes	2.86	54.26	0	0	0
sp_malfo5	Yes	2.39	36.59	0	0	0
sp_malfo6	Yes	2.84	32.73	0	0	0
sp_malfo7	Yes	3.09	24.32	0	0	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	100	0	0.04	0
firstpre	No	58.97	40.08	1.72	0.04	100
sp_firstpre	Yes	11.78	0	0	0	0
surgery	No	50.57	61.21	56.54	14	100
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	95.44	96.43	95.44	100
sp_consang	Yes	18.26	0	13.04	0	0
matedu	No	78.86	66.07	100	100	100
socm	No	81.37	100	100	100	100
socf	No	85.79	100	100	100	100
migrant	No	67.1	100	82.69	0	100
aetiology	No	94.55	100	100	100	100
folic_g14	No	66.41	100	30.38	57.88	100
bmi	No	54.55	21.92	100	68.9	100
matdiab	No	69.98	14.38	1.32	91.23	100
hba1c	No	99.89	100	100	100	100
gentest	No	68.8	73.12	78.34	76.21	100
sp_gentest	Yes	41.81	0	2	100	0
firsttri	No	66.45	21.63	30.65	57.88	100
presyn	Yes	5.01	0	22.22	9.47	100
premal1	Yes	11.07	0.44	15.54	27.94	100
premal2	Yes	10.75	0.46	21.98	44.86	100
premal3	Yes	10.32	0	21.57	50	100
premal4	Yes	9.83	0.78	13.51	59.64	100
premal5	Yes	9.4	0	23.53	67.53	100
premal6	Yes	10.9	0	11.11	72.83	100
premal7	Yes	12.64	0	14.29	74.14	0
premal8	Yes	13.34	0	0	76.47	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	South West England (UK)	Styria (AT)	Thames Valley (UK)	Trento (IT)
sex	No	4.65	6.47	5.29	7.43	2.87
nbrbaby	No	1.52	0.58	0.28	2.17	0
nbrmalf	Yes	4.89	7.81	0	7.96	100
type	No	0	0	0	0	0
weight	Yes	3.21	1.95	6.22	2.48	0.24
gestlength	No	7.53	16.09	4.18	24.87	0.17
death_date	Yes	31.75	0	96.8	0	100
survival	Yes	6.82	0.3	0.12	1.82	0
whendisc	No	4.02	2.6	1.02	7.85	0
agedisc	Yes	1.37	1.92	2.91	1.57	0.32
condisc	No	53.34	100	84.03	100	100
karyo	No	40.27	53.88	72.24	61.71	100
pm	Yes	75.24	93.43	94.43	96.01	100
datemo	No	14.68	0	0.65	0	100
residmo	No	19.54	0	99.72	0	100
agemo	No	1.47	0	0.09	0	0
pre_still	No	99.89	100	100	100	100
totpreg	No	45.33	100	99.81	100	100
occupmo	No	73.74	100	100	100	100
assconcept	No	53.2	72.14	99.91	86.28	100
illbef1	No	53.77	98.62	100	98.93	100
illdur1	No	49.57	100	100	100	100
drugs1	No	85.99	100	100	100	100
omim	No	59	0	100	0	100
consang	No	53.45	64.09	99.91	65.47	100
prevsib	No	73.24	100	98.33	100	100
sib1	Yes	34.76	0	25	0	0
sibanom	No	70.8	100	99.35	100	100
moanom	No	71.71	100	100	100	100
faanom	No	73.9	100	100	100	100
sp_karyo	Yes	7.28	0.72	22.11	1.03	0
sp_drugs1	Yes	99.32	0	100	0	100
sp_sibanom	Yes	28.29	0	83.33	0	0
sp_moanom	Yes	27.49	0	0	0	0
sp_faanom	Yes	31.06	0	0	0	0
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0	0.33	0.22	0.18
sp_malfo2	Yes	2.73	0	0.29	0.23	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	South West England (UK)	Styria (AT)	Thames Valley (UK)	Trento (IT)
sp_malfo3	Yes	2.84	0	0.83	0	0
sp_malfo4	Yes	2.86	0	0	0	0
sp_malfo5	Yes	2.39	0	0	0	0
sp_malfo6	Yes	2.84	0	0	0	0
sp_malfo7	Yes	3.09	0	0	0	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	0	0.37	0	0
firstpre	No	58.97	100	54.22	100	100
sp_firstpre	Yes	11.78	0	100	0	0
surgery	No	50.57	74.06	2.04	78.83	31.93
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	95.76	95.54	95.82	100
sp_consang	Yes	18.26	0	100	0	0
matedu	No	78.86	100	100	100	100
socm	No	81.37	100	100	100	100
socf	No	85.79	100	100	100	100
migrant	No	67.1	100	100	100	100
aetiology	No	94.55	100	100	100	100
folic_g14	No	66.41	76.42	100	74.32	100
bmi	No	54.55	48.98	100	53.02	34.8
matdiab	No	69.98	100	100	100	100
hba1c	No	99.89	100	100	100	100
gentest	No	68.8	100	81.8	100	100
sp_gentest	Yes	41.81	0	24.83	0	0
firsttri	No	66.45	100	100	100	100
presyn	Yes	5.01	0.87	8.24	1.49	100
premal1	Yes	11.07	4.08	7.24	11.1	100
premal2	Yes	10.75	3.96	6.38	9.08	100
premal3	Yes	10.32	3.98	6.61	11.41	100
premal4	Yes	9.83	4.37	5.26	7.82	100
premal5	Yes	9.4	3.08	5.56	12	0
premal6	Yes	10.9	5.71	0	12.28	0
premal7	Yes	12.64	5.62	0	9.09	0
premal8	Yes	13.34	3.77	0	5.26	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Tuscany (IT)	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)
sex	No	4.65	6.65	3.44	25.92	1.72
nbrbaby	No	1.52	0.03	0	0.37	0
nbrmalf	Yes	4.89	0	0	0	0
type	No	0	0	0	0	0.07
weight	Yes	3.21	4.9	1.34	0.03	1.36
gestlength	No	7.53	1.61	1.03	0	0.27
death_date	Yes	31.75	98.83	3.66	0	87.81
survival	Yes	6.82	0.96	0.54	0	0
whendisc	No	4.02	0.91	0.5	0	0.21
agedisc	Yes	1.37	1.62	0.75	0	0.11
condisc	No	53.34	2.68	1.6	0.13	1.17
karyo	No	40.27	44.96	0.77	63.31	0.48
pm	Yes	75.24	16.2	84.31	96	72.85
datemo	No	14.68	11.32	0.7	0.09	0.82
residmo	No	19.54	0.03	0.2	0	0.21
agemo	No	1.47	5.56	0.67	0.09	1.03
pre_still	No	99.89	100	100	99.07	99.31
totpreg	No	45.33	5.58	1.44	8.65	1.44
occupmo	No	73.74	49.43	2.97	44.8	24.19
assconcept	No	53.2	34.24	4.84	50.46	1.58
illbef1	No	53.77	34.93	0.37	0	27.84
illdur1	No	49.57	32.63	0.43	0.02	1.03
drugs1	No	85.99	84.21	88.79	43.16	81.37
omim	No	59	100	98.83	99.65	97.53
consang	No	53.45	43.25	26.74	79.78	1.44
prevsib	No	73.24	83.86	1	95.24	2.61
sib1	Yes	34.76	0	1.6	0	4.48
sibanom	No	70.8	51.48	2.6	58.72	1.65
moanom	No	71.71	52.24	28.77	64.93	2.13
faanom	No	73.9	55.36	31.24	78.1	3.37
sp_karyo	Yes	7.28	9.71	0.55	0	1.09
sp_drugs1	Yes	99.32	99.66	100	100	100
sp_sibanom	Yes	28.29	50.81	1.3	0	8.43
sp_moanom	Yes	27.49	30.97	6.52	0	4.35
sp_faanom	Yes	31.06	41.1	7.55	0	2.5
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0.04	0	0	0
sp_malfo2	Yes	2.73	0	0	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Tuscany (IT)	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)
sp_malfo3	Yes	2.84	0.45	0	0	0
sp_malfo4	Yes	2.86	0	0	0	0
sp_malfo5	Yes	2.39	0	0	0	0
sp_malfo6	Yes	2.84	0	0	0	0
sp_malfo7	Yes	3.09	0	0	0	0
sp_malfo8	Yes	2.92	0	0	0	0
civreg	No	6.68	0.03	0.07	0	0.07
firstpre	No	58.97	55.96	2.37	66.83	1.31
sp_firstpre	Yes	11.78	13.24	0	0	25
surgery	No	50.57	45.46	51.8	9.79	1.51
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	96.91	96.76	94.29	95.33
sp_consang	Yes	18.26	13.79	100	0	40
matedu	No	78.86	57.19	1.9	57.43	41.1
socm	No	81.37	99.91	3.2	68.8	40.27
socf	No	85.79	99.97	14.99	83.63	64.12
migrant	No	67.1	65.83	0.87	5.06	3.37
aetiology	No	94.55	100	100	0.02	100
folic_g14	No	66.41	63.43	28.24	48.61	21.03
bmi	No	54.55	80.2	64.39	69.9	25.02
matdiab	No	69.98	44.14	3.5	33.9	5.7
hba1c	No	99.89	100	100	99.52	100
gentest	No	68.8	66.42	0.9	70.12	3.16
sp_gentest	Yes	41.81	41.7	11.76	0	50
firsttri	No	66.45	49.4	13.82	40.56	16.77
presyn	Yes	5.01	1.6	0	0.28	0.29
premal1	Yes	11.07	2.35	0.67	0.44	0.45
premal2	Yes	10.75	6.54	0.46	0.78	0.43
premal3	Yes	10.32	10.71	0.74	1.75	0.51
premal4	Yes	9.83	7.53	0.94	1.29	2.15
premal5	Yes	9.4	15.09	0	1.23	0
premal6	Yes	10.9	4.35	0	2.53	4.35
premal7	Yes	12.64	0	0	2.27	0
premal8	Yes	13.34	0	0	8.47	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Wales (UK)	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)
sex	No	4.65	6.79	9.74	3.22	0.09
nbrbaby	No	1.52	0	1.72	0.09	20.93
nbrmalf	Yes	4.89	0	13.74	0.66	23.36
type	No	0	0	0	0	0
weight	Yes	3.21	3.32	2.1	0.25	21.35
gestlength	No	7.53	0.72	18.81	3.24	21.09
death_date	Yes	31.75	94.94	0	0	97.73
survival	Yes	6.82	0.09	1.96	0.04	97.7
whendisc	No	4.02	0.02	5.59	3.78	41.08
agedisc	Yes	1.37	0.16	2.4	0.44	3.89
condisc	No	53.34	0	100	100	100
karyo	No	40.27	13.07	52.51	51.03	53.67
pm	Yes	75.24	19.58	93.7	86.42	100
datemo	No	14.68	82.07	0	0	12.45
residmo	No	19.54	100	0	0	9.04
agemo	No	1.47	0.07	0.07	0	12.5
pre_still	No	99.89	100	100	100	100
totpreg	No	45.33	21.15	100	100	22.29
occupmo	No	73.74	81.63	100	100	100
assconcept	No	53.2	36.61	83.86	82.84	59.51
illbef1	No	53.77	0	98.79	97.89	100
illdur1	No	49.57	0	100	100	1.95
drugs1	No	85.99	73.54	100	100	69.03
omim	No	59	95.9	0	0	99.89
consang	No	53.45	79.66	68.15	47.09	36.42
prevsib	No	73.24	22.59	100	100	100
sib1	Yes	34.76	0.4	0	0	0
sibanom	No	70.8	23.08	100	100	100
moanom	No	71.71	78.52	100	100	100
faanom	No	73.9	84.78	100	100	100
sp_karyo	Yes	7.28	7.64	1.26	0.32	82.25
sp_drugs1	Yes	99.32	99.56	0	0	99.97
sp_sibanom	Yes	28.29	0.3	0	0	0
sp_moanom	Yes	27.49	0.23	0	0	0
sp_faanom	Yes	31.06	0	0	0	0
sp_syndrome	Yes	0	0	0	0	0
sp_malfo1	Yes	3.69	0	0.11	0.12	0
sp_malfo2	Yes	2.73	0.05	0	0	0.53

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Wales (UK)	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)
sp_malfo3	Yes	2.84	0	0.23	0.43	0.52
sp_malfo4	Yes	2.86	0	0	0.43	0
sp_malfo5	Yes	2.39	0	0	0.37	0
sp_malfo6	Yes	2.84	0	0	0.61	0
sp_malfo7	Yes	3.09	0	0	1.08	0
sp_malfo8	Yes	2.92	0	0	1.72	0
civreg	No	6.68	0.02	0	0	0
firstpre	No	58.97	0.72	100	100	100
sp_firstpre	Yes	11.78	8	0	0	0
surgery	No	50.57	13.53	79.98	76.03	100
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.72	95.74	94.81	95.18	100
sp_consang	Yes	18.26	0	0	0	0
matedu	No	78.86	99.61	100	100	100
socm	No	81.37	99.93	100	100	100
socf	No	85.79	99.61	100	100	100
migrant	No	67.1	11.21	100	100	100
aetiology	No	94.55	100	100	100	100
folic_g14	No	66.41	79.17	78.67	78.48	56.15
bmi	No	54.55	23.91	48.03	59.81	99.95
matdiab	No	69.98	36.54	100	100	100
hba1c	No	99.89	100	100	100	100
gentest	No	68.8	19.56	100	100	65.12
sp_gentest	Yes	41.81	0	0	0	0
firsttri	No	66.45	64.43	100	100	55.06
presyn	Yes	5.01	0.76	2.08	0.35	39.62
premal1	Yes	11.07	0.02	8.58	5.43	34.85
premal2	Yes	10.75	0.21	9.02	2.86	40.53
premal3	Yes	10.32	0.42	12.67	2.06	45.71
premal4	Yes	9.83	0.77	7.17	0.43	52.8
premal5	Yes	9.4	0.66	4.72	2.21	56.47
premal6	Yes	10.9	0	5.81	1.82	74.42
premal7	Yes	12.64	2.13	10	3.23	79.31
premal8	Yes	13.34	0	0	0	85.71

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Yorkshire and Humber (UK)	Zagreb (HR)
sex	No	4.65	2.83	0
nbrbaby	No	1.52	0.58	0
nbrmalf	Yes	4.89	5.2	0
type	No	0	0	0.24
weight	Yes	3.21	1.59	0
gestlength	No	7.53	24.24	0
death_date	Yes	31.75	0	97.57
survival	Yes	6.82	0.26	0
whendisc	No	4.02	2.71	0.24
agedisc	Yes	1.37	2.93	0
condisc	No	53.34	100	2.44
karyo	No	40.27	58.21	0.73
pm	Yes	75.24	95	89.27
datemo	No	14.68	0	0.24
residmo	No	19.54	0	3.17
agemo	No	1.47	0	0.24
pre_still	No	99.89	100	99.51
totpreg	No	45.33	100	0.73
occupmo	No	73.74	100	23.9
assconcept	No	53.2	90.65	0.24
illbef1	No	53.77	98.81	0.24
illdur1	No	49.57	100	0
drugs1	No	85.99	100	76.1
omim	No	59	0	92.68
consang	No	53.45	68.36	0.24
prevsib	No	73.24	100	5.12
sib1	Yes	34.76	0	0
sibanom	No	70.8	100	0
moanom	No	71.71	100	0.24
faanom	No	73.9	100	0.98
sp_karyo	Yes	7.28	0.92	4.17
sp_drugs1	Yes	99.32	0	100
sp_sibanom	Yes	28.29	0	42.86
sp_moanom	Yes	27.49	0	8.33
sp_faanom	Yes	31.06	0	30
sp_syndrome	Yes	0	0	0
sp_malfo1	Yes	3.69	0	0
sp_malfo2	Yes	2.73	0	1.33

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2018 to 2022

Variable	Conditional	All full members registries	Yorkshire and Humber (UK)	Zagreb (HR)
sp_malfo3	Yes	2.84	0.14	0
sp_malfo4	Yes	2.86	0	0
sp_malfo5	Yes	2.39	0	0
sp_malfo6	Yes	2.84	0	0
sp_malfo7	Yes	3.09	0	0
sp_malfo8	Yes	2.92	0	0
civreg	No	6.68	0	0
firstpre	No	58.97	100	0.49
sp_firstpre	Yes	11.78	0	0
surgery	No	50.57	71.66	5.61
folic	No	NaN	0	0
sp_twin	Yes	94.72	95.92	98.54
sp_consang	Yes	18.26	0	100
matedu	No	78.86	100	5.12
socm	No	81.37	100	5.12
socf	No	85.79	100	13.41
migrant	No	67.1	100	1.95
aetiology	No	94.55	100	70.24
folic_g14	No	66.41	83.63	3.41
bmi	No	54.55	73.36	9.76
matdiab	No	69.98	100	4.63
hba1c	No	99.89	100	100
gentest	No	68.8	100	1.95
sp_gentest	Yes	41.81	0	12.5
firsttri	No	66.45	100	3.17
presyn	Yes	5.01	0.53	0
premal1	Yes	11.07	3.6	0.77
premal2	Yes	10.75	2.42	0
premal3	Yes	10.32	1.29	0
premal4	Yes	9.83	0.89	0
premal5	Yes	9.4	1.62	0
premal6	Yes	10.9	2	0
premal7	Yes	12.64	0	0
premal8	Yes	13.34	0	0

- indicates no cases able to be missing