

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Basque Country (ES)
sex	No	4.93	2.12	2.68	0.8	3.62
nbrbaby	No	2.96	0.06	0	0	0.36
nbrmalf	Yes	4.82	2.26	51.16	0	0
type	No	0.01	0	0	0	0
weight	Yes	6.04	3.28	0.13	0.66	0.4
gestlength	No	6.17	2.69	0.82	0.4	0.36
death_date	Yes	27.85	5.56	96.77	0	74.29
survival	Yes	5.6	8.16	0	0	0
whendisc	No	3.95	10.67	0.31	0.44	0.27
agedisc	Yes	1.23	1.73	0.22	0	0.16
condisc	No	53.07	1	42.89	100	0.18
karyo	No	44.82	86.18	65.15	0.44	3.71
pm	Yes	73.74	97.07	79.28	77.93	46.97
datemo	No	35.88	1.87	0.31	0.04	0
residmo	No	39.38	0.06	0	100	0
agemo	No	1.8	1.87	0.31	0.04	0
pre_still	No	99.88	99.3	100	100	100
totpreg	No	41.68	4.78	43.2	0.49	0.45
occupmo	No	66.43	73.54	49.18	100	44.07
assconcept	No	56.68	49.62	5.05	0.58	8.05
illbef1	No	56.22	1.3	47.22	93.66	12.94
illdur1	No	50.29	1.69	49.38	64.49	19.28
drugs1	No	85.39	81.04	91.96	71.23	62.17
omim	No	76.67	99.94	99.9	93.04	86.88
consang	No	49.52	86.69	8.76	1.02	12.13
prevsib	No	74.84	2	97.01	99.91	9.14
sib1	Yes	31.7	0	0	0	0
sibanom	No	72.3	48.81	93.4	99.91	9.05
moanom	No	72.18	70.55	95.57	100	61.45
faanom	No	73.9	79.47	95.57	100	69.95
sp_karyo	Yes	7.27	7.69	20.89	1.31	0.46
sp_drugs1	Yes	99.79	99.89	99.55	100	100
sp_sibanom	Yes	27.22	10.03	3.7	0	7.35
sp_moanom	Yes	27.96	0.14	0	0	0
sp_faanom	Yes	28.73	0.45	0	0	0
sp_syndrome	Yes	0.51	0	0	0	0
sp_malfo1	Yes	11.06	0	1.62	0	0
sp_malfo2	Yes	8.14	0.06	7.49	0	0

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Basque Country (ES)
sp_malfo3	Yes	7.95	0	5.65	0	0
sp_malfo4	Yes	8.87	0	4.13	0	0
sp_malfo5	Yes	9.63	0	2.99	0	0
sp_malfo6	Yes	10.82	0	2.63	0	0
sp_malfo7	Yes	11.97	0	0	0	0
sp_malfo8	Yes	14.52	1.32	0	0	0
civreg	No	12.27	100	0.21	12.5	0.18
firstpre	No	61.23	48.65	71.65	17.38	1.36
sp_firstpre	Yes	9.01	0	0	100	0
surgery	No	52.63	40.58	44.33	16.36	7.33
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	95.92	97.63	95.79	91.64
sp_consang	Yes	43.49	7.27	54.17	100	6.67
matedu	No	80.33	78.05	58.66	100	85.88
socm	No	82.25	100	90.31	100	81.99
socf	No	85.89	100	88.25	100	91.13
migrant	No	66.74	100	99.79	100	1.09
aetiology	No	94.36	100	100	100	100
folic_g14	No	65.36	87.84	82.47	41.89	28.05
bmi	No	57.41	57.24	80	1.73	19.55
matdiab	No	67.17	73.93	56.91	100	3.44
hba1c	No	99.94	99.76	100	100	100
gentest	No	72.25	78.65	93.61	99.96	4.16
sp_gentest	Yes	38.64	9.89	0	0	35.77
firsttri	No	69.08	76.26	93.09	0.22	6.24
presyn	Yes	10.95	6.42	8.87	0	0
premal1	Yes	21.38	14.33	46.06	8.92	0.74
premal2	Yes	17.59	14.29	31.26	0.41	0.37
premal3	Yes	16.58	17	23.48	0.81	1.32
premal4	Yes	16.72	17.83	21.49	3.14	1.36
premal5	Yes	17.56	15.45	19.4	10	1.89
premal6	Yes	18.47	16.04	26.32	4.6	1.61
premal7	Yes	19.95	19.2	25	0	0
premal8	Yes	21.44	26.32	0	3.85	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	Brittany (FR)	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)
sex	No	4.93	0.31	4.45	6.62	2.15
nbrbaby	No	2.96	3.75	0	11.83	0
nbrmalf	Yes	4.82	8.18	0	1.45	0
type	No	0.01	0	0	0	0
weight	Yes	6.04	3.75	1.5	4.27	0.93
gestlength	No	6.17	2.23	1.54	4.82	0.98
death_date	Yes	27.85	97.68	0.1	0	0.22
survival	Yes	5.6	0.5	0.1	1.29	13.66
whendisc	No	3.95	1.82	0.09	3.88	0
agedisc	Yes	1.23	0.85	3.69	0.86	0.4
condisc	No	53.07	3.92	0.09	100	0
karyo	No	44.82	13.58	32.11	58.67	1.27
pm	Yes	73.74	60.57	84.59	94.95	22.96
datemo	No	35.88	100	0	49.21	1.27
residmo	No	39.38	100	2.74	49.21	0
agemo	No	1.8	3.23	0	0.02	1.48
pre_still	No	99.88	100	99.32	100	99.34
totpreg	No	41.68	6.53	49.06	100	1.19
occupmo	No	66.43	33.43	77.65	85.98	54.56
assconcept	No	56.68	15.52	67.72	84	16.83
illbef1	No	56.22	24.23	64.98	98.71	0
illdur1	No	50.29	29.76	67.89	100	0.04
drugs1	No	85.39	79.66	93.41	97.89	85.11
omim	No	76.67	100	96.32	49.21	0
consang	No	49.52	99.36	66.1	63.06	17.72
prevsib	No	74.84	9.23	61.82	100	100
sib1	Yes	31.7	0.43	3.37	0	0
sibanom	No	72.3	9.59	60.87	100	100
moanom	No	72.18	22.57	63.01	100	13.72
faanom	No	73.9	27.66	69.52	100	13.72
sp_karyo	Yes	7.27	2.59	7.99	0.41	0
sp_drugs1	Yes	99.79	98.25	99.82	100	0
sp_sibanom	Yes	27.22	100	11.3	0	0
sp_moanom	Yes	27.96	100	0.63	0	0
sp_faanom	Yes	28.73	100	3.33	0	0
sp_syndrome	Yes	0.51	0	0	0.09	0
sp_malfo1	Yes	11.06	0	0.1	11.98	0
sp_malfo2	Yes	8.14	0	0	17.3	0

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	Brittany (FR)	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)
sp_malfo3	Yes	7.95	0.46	0	17.31	0
sp_malfo4	Yes	8.87	0.82	0	17.95	0
sp_malfo5	Yes	9.63	0	0	21.46	0
sp_malfo6	Yes	10.82	1.37	0	29.23	0
sp_malfo7	Yes	11.97	0	0	33.8	0
sp_malfo8	Yes	14.52	0	3.57	43.48	0
civreg	No	12.27	7.38	0	0	0
firstpre	No	61.23	19.15	1.2	100	0
sp_firstpre	Yes	9.01	26.09	50	0	0
surgery	No	52.63	11.71	3.42	78.83	86.14
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	99.76	94.01	95.6	0
sp_consang	Yes	43.49	100	0	63.38	0
matedu	No	80.33	67.78	77.05	100	17.45
socm	No	82.25	36.27	69.26	100	52.92
socf	No	85.89	45.85	74.49	100	25.28
migrant	No	66.74	11.07	57.45	100	33.48
aetiology	No	94.36	100	6.08	100	100
folic_g14	No	65.36	71.31	80.14	86.27	85.4
bmi	No	57.41	33.61	81.16	70.81	18.21
matdiab	No	67.17	38	72.69	92.83	6.6
hba1c	No	99.94	100	100	100	100
gentest	No	72.25	30.83	36.3	100	40.93
sp_gentest	Yes	38.64	100	8.06	0	0
firsttri	No	69.08	39.88	74.4	100	67.79
presyn	Yes	10.95	2.19	0.68	0.91	14.78
premal1	Yes	21.38	0.84	0.29	6.54	50.91
premal2	Yes	17.59	2.18	0.28	7.72	73.41
premal3	Yes	16.58	3.67	0.91	8.16	82.74
premal4	Yes	16.72	4.9	0.78	8.86	84
premal5	Yes	17.56	4.58	0	6.87	85.37
premal6	Yes	18.47	8.22	1.89	4.62	88.89
premal7	Yes	19.95	12.5	9.09	7.04	100
premal8	Yes	21.44	0	17.86	6.52	0

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Missing values frequency tables (July 2025)

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	French West Indies (FR)	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)
sex	No	4.93	1.57	3.35	2.32	0.53
nbrbaby	No	2.96	0	0	0	0
nbrmalf	Yes	4.82	0	4	0	0
type	No	0.01	0	0	0.07	0
weight	Yes	6.04	1.1	0.45	3.45	0
gestlength	No	6.17	0	0	3.37	0
death_date	Yes	27.85	4.64	0	96.28	0.54
survival	Yes	5.6	0.29	0	0.1	0
whendisc	No	3.95	0	0	0.3	0
agedisc	Yes	1.23	0	0	3.55	0
condisc	No	53.07	0	0	2.02	0
karyo	No	44.82	1.94	0.64	0.97	0
pm	Yes	73.74	56.96	69.17	2.02	78.74
datemo	No	35.88	1.11	0.16	0.67	0
residmo	No	39.38	0.09	100	0.75	0
agemo	No	1.8	1.11	0.16	3.14	0
pre_still	No	99.88	100	100	99.85	100
totpreg	No	41.68	0.37	0.64	2.39	0
occupmo	No	66.43	4.61	99.52	96.34	3.56
assconcept	No	56.68	0.18	2.24	95.66	0
illbef1	No	56.22	3.69	41.37	91.4	0
illdur1	No	50.29	6.27	0.32	92.52	0
drugs1	No	85.39	85.99	72.52	86.76	90.08
omim	No	76.67	99.91	100	96.78	99.92
consang	No	49.52	0.92	40.58	99.1	0
prevsib	No	74.84	1.38	0.32	98.73	0
sib1	Yes	31.7	7.14	0	68.75	0
sibanom	No	72.3	0.65	0.32	95.06	0
moanom	No	72.18	1.11	1.92	90.58	0
faanom	No	73.9	3.5	2.4	94.99	0
sp_karyo	Yes	7.27	0	0.98	29.22	0
sp_drugs1	Yes	99.79	98.71	100	99.14	99.96
sp_sibanom	Yes	27.22	5.36	40.54	4.62	0.61
sp_moanom	Yes	27.96	3.49	0	8	0
sp_faanom	Yes	28.73	9.52	0	13.43	0
sp_syndrome	Yes	0.51	0	45.45	0	0
sp_malfo1	Yes	11.06	0	0	0.54	0
sp_malfo2	Yes	8.14	0	0	0.31	0

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	French West Indies (FR)	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)
sp_malfo3	Yes	7.95	0	0	0.86	0
sp_malfo4	Yes	8.87	0	0	2.63	0
sp_malfo5	Yes	9.63	0	0	0	0
sp_malfo6	Yes	10.82	0	0	0	0
sp_malfo7	Yes	11.97	0	0	0	0
sp_malfo8	Yes	14.52	0	0	0	0
civreg	No	12.27	0.09	0	0	0
firstpre	No	61.23	2.86	0.16	43.98	54.72
sp_firstpre	Yes	9.01	25	0	50	0
surgery	No	52.63	31.71	17.73	2.54	16.52
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	95.85	96.01	96.78	95.54
sp_consang	Yes	43.49	0	44.44	81.82	0
matedu	No	80.33	5.9	100	99.93	17.25
socm	No	82.25	18.8	100	99.7	58.44
socf	No	85.89	18.34	100	99.93	33.9
migrant	No	66.74	2.4	0.8	100	0
aetiology	No	94.36	100	100	100	99.47
folic_g14	No	65.36	3.13	68.37	99.93	0.08
bmi	No	57.41	9.03	1.44	99.93	3.81
matdiab	No	67.17	2.21	0.32	97.61	0
hba1c	No	99.94	99.54	100	100	98.54
gentest	No	72.25	3.32	92.81	1.42	0
sp_gentest	Yes	38.64	21.12	52.38	49.34	11.9
firsttri	No	69.08	3.32	0.96	99.55	0.04
presyn	Yes	10.95	0	0	3.46	0.63
premal1	Yes	21.38	0.11	0.56	0.98	0
premal2	Yes	17.59	0.44	2.04	3.44	0.15
premal3	Yes	16.58	0.79	3.12	4.31	0.36
premal4	Yes	16.72	0	0	10.53	0
premal5	Yes	17.56	1.3	0	11.11	0
premal6	Yes	18.47	2.38	0	50	0
premal7	Yes	19.95	0	0	0	0
premal8	Yes	21.44	0	0	0	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	Malta (MT)	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)
sex	No	4.93	0	2.71	4.19	0.34
nbrbaby	No	2.96	0	0.03	1.24	0
nbrmalf	Yes	4.82	14.81	0	0.61	5.21
type	No	0.01	0	0	0	0
weight	Yes	6.04	0.14	2.86	21.16	10.56
gestlength	No	6.17	0.14	2.94	18.33	5.08
death_date	Yes	27.85	93.33	97.9	0	0
survival	Yes	5.6	0.14	0.06	5.82	0
whendisc	No	3.95	0.56	0.65	2.12	0.84
agedisc	Yes	1.23	0.48	1.25	1.85	0.51
condisc	No	53.07	0	0.08	96.91	2.98
karyo	No	44.82	2.66	50.9	72.19	0.61
pm	Yes	73.74	0.28	77.11	89.24	2.03
datemo	No	35.88	0	4.22	56.9	7.95
residmo	No	39.38	0	0.05	56.9	36.7
agemo	No	1.8	0	2.86	0	7.95
pre_still	No	99.88	100	100	100	100
totpreg	No	41.68	0.14	7.03	96.91	41.36
occupmo	No	66.43	13.45	29.19	93.82	55.12
assconcept	No	56.68	1.68	8.36	71.76	70.07
illbef1	No	56.22	0.28	0.1	98.93	0
illdur1	No	50.29	1.4	0.23	100	0.15
drugs1	No	85.39	55.32	84.09	96.42	61.35
omim	No	76.67	100	100	56.88	86.96
consang	No	49.52	0.42	2.31	62.38	99.58
prevsib	No	74.84	0.7	63.6	100	65.21
sib1	Yes	31.7	0	0	0	12.12
sibanom	No	72.3	0.42	5.9	100	52.83
moanom	No	72.18	0.28	4.92	100	47.36
faanom	No	73.9	0.28	5.52	100	49.2
sp_karyo	Yes	7.27	8.7	0	0.35	0
sp_drugs1	Yes	99.79	100	100	100	100
sp_sibanom	Yes	27.22	3.85	0	0	100
sp_moanom	Yes	27.96	0	1.04	0	100
sp_faanom	Yes	28.73	0	0	0	100
sp_syndrome	Yes	0.51	0	0	0	0
sp_malfo1	Yes	11.06	0	0	9.8	0
sp_malfo2	Yes	8.14	0	0.07	9.62	0

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	Malta (MT)	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)
sp_malfo3	Yes	7.95	0	0	10.74	0
sp_malfo4	Yes	8.87	0	0	11.66	0
sp_malfo5	Yes	9.63	0	0	11.72	0
sp_malfo6	Yes	10.82	0	0	11.43	0
sp_malfo7	Yes	11.97	0	0	13.33	0
sp_malfo8	Yes	14.52	0	0	0	0
civreg	No	12.27	0	0	0	0
firstpre	No	61.23	1.54	53.99	97.15	30.7
sp_firstpre	Yes	9.01	0	0	0	0
surgery	No	52.63	1.82	24.75	52.81	25.23
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	92.44	95.83	95.86	96.33
sp_consang	Yes	43.49	0	0	57.45	87.5
matedu	No	80.33	3.5	43.72	100	48.05
socm	No	82.25	100	38.2	100	100
socf	No	85.89	100	57.76	100	100
migrant	No	66.74	0.42	4.84	100	100
aetiology	No	94.36	100	100	100	100
folic_g14	No	65.36	4.06	36.37	67.86	45.03
bmi	No	57.41	25.63	18.07	56.2	43.88
matdiab	No	67.17	0.42	5.6	92.33	46.1
hba1c	No	99.94	99.44	99.9	100	100
gentest	No	72.25	4.48	75.3	100	0
sp_gentest	Yes	38.64	35.82	0.65	0	100
firsttri	No	69.08	1.4	10.44	100	37.92
presyn	Yes	10.95	5.75	18.2	0.91	0.44
premal1	Yes	21.38	1.42	59.36	3.12	0.88
premal2	Yes	17.59	2.73	46.42	2.17	1.02
premal3	Yes	16.58	3.41	35.69	1.17	0.86
premal4	Yes	16.72	8.33	27.5	1.77	0.72
premal5	Yes	17.56	0	27.23	4.14	0.76
premal6	Yes	18.47	14.29	26.32	5.71	0.62
premal7	Yes	19.95	0	18.07	0	0
premal8	Yes	21.44	0	22.92	0	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2015 to 2019

Variable	Conditional	All full members registries	Navarra (ES)	North West England (UK)	Norway (NO)	Paris (FR)
sex	No	4.93	4.73	6.49	4.87	0.68
nbrbaby	No	2.96	0.24	0.79	0	0
nbrmalf	Yes	4.82	0	3.37	0.19	0
type	No	0.01	0	0	0.05	0
weight	Yes	6.04	1.04	2.93	0.04	0.22
gestlength	No	6.17	0.59	21.47	0.25	0.05
death_date	Yes	27.85	97.01	0	0.02	0.04
survival	Yes	5.6	0	0.31	0	0.15
whendisc	No	3.95	0.24	5.32	0	0.43
agedisc	Yes	1.23	0.6	3.89	0	0
condisc	No	53.07	0.59	100	100	100
karyo	No	44.82	0.12	61.77	100	0.68
pm	Yes	73.74	3.55	96.61	100	100
datemo	No	35.88	0.47	0	100	0
residmo	No	39.38	64.54	0	100	0
agemo	No	1.8	0.59	0	0	0
pre_still	No	99.88	100	100	100	100
totpreg	No	41.68	0.71	100	0	0.3
occupmo	No	66.43	99.76	100	27.41	100
assconcept	No	56.68	0.71	90.76	100	0.91
illbef1	No	56.22	0.83	99.08	99.08	0
illdur1	No	50.29	0.83	100	95.05	0
drugs1	No	85.39	99.88	100	72.14	86.54
omim	No	76.67	91.02	0	100	99.62
consang	No	49.52	1.3	72.59	11.07	1.74
prevsib	No	74.84	3.55	100	100	79.4
sib1	Yes	31.7	0	0	0	98.17
sibanom	No	72.3	0.59	100	100	100
moanom	No	72.18	2.25	100	100	100
faanom	No	73.9	2.13	100	100	100
sp_karyo	Yes	7.27	0	0.09	0	54.68
sp_drugs1	Yes	99.79	100	0	100	100
sp_sibanom	Yes	27.22	50.75	0	0	0
sp_moanom	Yes	27.96	0	0	0	0
sp_faanom	Yes	28.73	7.41	0	0	0
sp_syndrome	Yes	0.51	0	0	0	0
sp_malfo1	Yes	11.06	0	0.02	100	0.03
sp_malfo2	Yes	8.14	0	0	100	1.49

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Navarra (ES)	North West England (UK)	Norway (NO)	Paris (FR)
sp_malfo3	Yes	7.95	0	0	100	0.4
sp_malfo4	Yes	8.87	0	0	100	0
sp_malfo5	Yes	9.63	0	0	100	0
sp_malfo6	Yes	10.82	0	0	100	0
sp_malfo7	Yes	11.97	0	0	100	0
sp_malfo8	Yes	14.52	0	0	100	0
civreg	No	12.27	0	0	100	0
firstpre	No	61.23	0.35	100	100	79
sp_firstpre	Yes	9.01	0	0	0	0
surgery	No	52.63	1.3	67.07	100	44.62
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	94.33	95.91	95.16	100
sp_consang	Yes	43.49	85.71	0	100	100
matedu	No	80.33	100	100	100	100
socm	No	82.25	99.88	100	100	8.68
socf	No	85.89	100	100	100	100
migrant	No	66.74	10.99	100	100	100
aetiology	No	94.36	100	100	100	100
folic_g14	No	65.36	10.87	84.43	22.44	100
bmi	No	57.41	4.02	73.89	100	28.67
matdiab	No	67.17	2.01	100	100	100
hba1c	No	99.94	98.46	100	100	100
gentest	No	72.25	0	100	100	100
sp_gentest	Yes	38.64	1	0	0	0
firsttri	No	69.08	100	100	100	8.22
presyn	Yes	10.95	0.33	0.3	100	0
premal1	Yes	21.38	0.27	6.77	100	0.48
premal2	Yes	17.59	0.31	5.15	100	0.1
premal3	Yes	16.58	0.71	5.53	100	0.2
premal4	Yes	16.72	0	4.67	100	0.36
premal5	Yes	17.56	0	7.48	100	0.61
premal6	Yes	18.47	0	3.85	100	0
premal7	Yes	19.95	0	14.29	100	0
premal8	Yes	21.44	0	12.5	100	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Pleven (BG)	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)
sex	No	4.93	6.4	1.71	2.77	0.72
nbrbaby	No	2.96	0	0	0.14	0
nbrmalf	Yes	4.82	0	0	0	57.14
type	No	0.01	0	0	0	0
weight	Yes	6.04	3.48	3.45	1.84	0.25
gestlength	No	6.17	5.72	6.57	1.05	0.96
death_date	Yes	27.85	95.43	98.49	0	51.52
survival	Yes	5.6	0	2.02	0	0
whendisc	No	3.95	0.34	0.27	0.32	52.4
agedisc	Yes	1.23	0	9.24	0.88	5.13
condisc	No	53.07	83.16	0.09	1.44	49.28
karyo	No	44.82	87.21	1.35	80.04	53.12
pm	Yes	73.74	98.32	73.63	10.02	49.28
datemo	No	35.88	99.66	2.88	0.83	48.8
residmo	No	39.38	100	1.71	0	48.56
agemo	No	1.8	7.07	1.53	0.83	0.24
pre_still	No	99.88	100	100	100	99.76
totpreg	No	41.68	100	5.22	0	49.52
occupmo	No	66.43	100	19.26	100	69.23
assconcept	No	56.68	98.65	0.72	97.55	67.31
illbef1	No	56.22	100	19.44	0.04	50
illdur1	No	50.29	100	0.45	0	51.2
drugs1	No	85.39	100	89.11	80.5	88.46
omim	No	76.67	97.98	99.91	100	99.76
consang	No	49.52	99.66	14.58	84	90.14
prevsib	No	74.84	99.33	99.1	98.7	55.77
sib1	Yes	31.7	0	0	0	0
sibanom	No	72.3	98.99	45.63	93.05	56.73
moanom	No	72.18	100	43.47	89.73	61.06
faanom	No	73.9	100	49.23	95.93	91.11
sp_karyo	Yes	7.27	0	1.66	0	13.92
sp_drugs1	Yes	99.79	100	100	100	99.73
sp_sibanom	Yes	27.22	33.33	93.75	0	23.53
sp_moanom	Yes	27.96	0	1.64	0	8.7
sp_faanom	Yes	28.73	0	6.9	0	30.77
sp_syndrome	Yes	0.51	0	28.57	0	0
sp_malfo1	Yes	11.06	0	0.54	0	0.26
sp_malfo2	Yes	8.14	0	0.51	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Pleven (BG)	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)
sp_malfo3	Yes	7.95	0	0	0	0
sp_malfo4	Yes	8.87	0	1.1	0	0
sp_malfo5	Yes	9.63	0	0	0	0
sp_malfo6	Yes	10.82	0	0	0	0
sp_malfo7	Yes	11.97	0	0	0	0
sp_malfo8	Yes	14.52	0	0	0	0
civreg	No	12.27	0	0.99	0	0
firstpre	No	61.23	76.43	1.17	0.04	54.57
sp_firstpre	Yes	9.01	0	0	0	0
surgery	No	52.63	37.71	66.61	17.19	54.81
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	99.33	98.56	94.45	97.6
sp_consang	Yes	43.49	0	22.58	0	100
matedu	No	80.33	100	77.86	100	90.38
socm	No	82.25	100	91.54	100	80.53
socf	No	85.89	100	100	100	93.51
migrant	No	66.74	100	68.68	0	56.25
aetiology	No	94.36	100	100	100	100
folic_g14	No	65.36	100	20.16	57.66	69.71
bmi	No	57.41	100	100	72.29	67.79
matdiab	No	67.17	100	4.32	91.5	63.7
hba1c	No	99.94	100	100	100	100
gentest	No	72.25	97.64	94.24	79.96	60.34
sp_gentest	Yes	38.64	42.86	0	100	27.27
firsttri	No	69.08	100	37.8	57.66	64.18
presyn	Yes	10.95	87.88	14.29	16.71	14.81
premal1	Yes	21.38	93.02	7.03	36.23	56.89
premal2	Yes	17.59	96.49	6.91	48.21	46.34
premal3	Yes	16.58	100	7.41	51.73	47.92
premal4	Yes	16.72	100	4.4	61.51	50
premal5	Yes	17.56	100	11.36	71.81	60
premal6	Yes	18.47	100	5.26	76.32	0
premal7	Yes	19.95	100	9.09	82.5	0
premal8	Yes	21.44	100	0	86.27	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	South West England (UK)	Styria (AT)	Thames Valley (UK)	Trento (IT)
sex	No	4.93	6.49	2.64	10.57	9.68
nbrbaby	No	2.96	3.75	1.02	8.95	0
nbrmalf	Yes	4.82	7.14	0	13.24	100
type	No	0.01	0	0.34	0	0
weight	Yes	6.04	17.01	9.21	13.12	0.19
gestlength	No	6.17	13.39	7.33	18.87	0
death_date	Yes	27.85	0.02	96.85	0.95	100
survival	Yes	5.6	0.33	0.9	1.59	0
whendisc	No	3.95	3.6	1.96	6.74	0.14
agedisc	Yes	1.23	1.71	6.89	2.28	0
condisc	No	53.07	99.95	53.62	99.58	100
karyo	No	44.82	58.9	38.96	63.99	100
pm	Yes	73.74	89.81	81.42	93.77	100
datemo	No	35.88	56.06	0.26	54.7	100
residmo	No	39.38	56.06	71.7	55.58	100
agemo	No	1.8	0.37	0.26	0.08	0.14
pre_still	No	99.88	100	100	100	100
totpreg	No	41.68	99.95	74.42	100	100
occupmo	No	66.43	79.97	100	88.19	100
assconcept	No	56.68	63.38	99.74	84.73	100
illbef1	No	56.22	98.92	100	98.81	100
illdur1	No	50.29	100	100	100	100
drugs1	No	85.39	92.44	100	97.88	100
omim	No	76.67	56.06	99.74	55.58	100
consang	No	49.52	62.09	100	66.63	100
prevsib	No	74.84	100	99.06	100	100
sib1	Yes	31.7	0	0	0	0
sibanom	No	72.3	100	99.91	100	100
moanom	No	72.18	100	100	100	100
faanom	No	73.9	100	100	100	100
sp_karyo	Yes	7.27	0.65	2.2	0.19	0
sp_drugs1	Yes	99.79	100	99.91	100	100
sp_sibanom	Yes	27.22	0	0	0	0
sp_moanom	Yes	27.96	0	0	0	0
sp_faanom	Yes	28.73	0	0	0	0
sp_syndrome	Yes	0.51	0	2.33	2.27	0
sp_malfo1	Yes	11.06	0.61	2.67	3.2	0
sp_malfo2	Yes	8.14	0.72	13.33	3.8	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	South West England (UK)	Styria (AT)	Thames Valley (UK)	Trento (IT)
sp_malfo3	Yes	7.95	0.42	16.98	4.24	0
sp_malfo4	Yes	8.87	0.15	20	3.4	0
sp_malfo5	Yes	9.63	0.5	24	2.24	0
sp_malfo6	Yes	10.82	1.64	36.36	2.56	0
sp_malfo7	Yes	11.97	0.59	25	2.04	0
sp_malfo8	Yes	14.52	1.82	50	3.33	0
civreg	No	12.27	0	14.32	0	0
firstpre	No	61.23	100	43.99	100	100
sp_firstpre	Yes	9.01	0	0	0	0
surgery	No	52.63	64	16.62	76.35	29.18
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	95.01	97.27	95.86	100
sp_consang	Yes	43.49	62.5	0	60.58	0
matedu	No	80.33	100	100	100	100
socm	No	82.25	100	100	100	100
socf	No	85.89	100	100	100	100
migrant	No	66.74	100	100	100	100
aetiology	No	94.36	100	100	100	100
folic_g14	No	65.36	72.7	100	81.27	100
bmi	No	57.41	46.88	100	53.97	33.89
matdiab	No	67.17	91.37	100	95.1	100
hba1c	No	99.94	100	100	100	100
gentest	No	72.25	100	57.97	100	100
sp_gentest	Yes	38.64	0	16.95	0	0
firsttri	No	69.08	100	100	100	100
presyn	Yes	10.95	3.96	52.53	3.48	100
premal1	Yes	21.38	4.76	22.61	10.15	100
premal2	Yes	17.59	4.86	30.86	11.78	100
premal3	Yes	16.58	4.17	38.99	12.5	100
premal4	Yes	16.72	4.75	47.27	11.91	100
premal5	Yes	17.56	3.47	32	12.69	0
premal6	Yes	18.47	3.69	36.36	11.54	0
premal7	Yes	19.95	2.96	50	14.29	0
premal8	Yes	21.44	2.73	50	13.33	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Tuscany (IT)	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)
sex	No	4.93	7.07	4.19	24.77	1.07
nbrbaby	No	2.96	0	0	0.24	0
nbrmalf	Yes	4.82	0	0	0	0
type	No	0.01	0	0	0	0
weight	Yes	6.04	3.89	0.56	0.2	0.97
gestlength	No	6.17	1.86	0.11	0.13	0.27
death_date	Yes	27.85	98.32	0.1	0	36.48
survival	Yes	5.6	2.44	0.57	0	0
whendisc	No	3.95	2.51	0.06	1.98	0.27
agedisc	Yes	1.23	0.87	0.16	0.07	0
condisc	No	53.07	1.92	3.7	5.72	0.6
karyo	No	44.82	49.58	0.37	70.06	0.74
pm	Yes	73.74	29.27	81.19	96.06	57.02
datemo	No	35.88	18.51	0	0.09	0.4
residmo	No	39.38	0.11	0	0	0.13
agemo	No	1.8	5.13	0	0.09	0.6
pre_still	No	99.88	100	99.21	99.27	99.87
totpreg	No	41.68	6.68	0.37	17.35	4.3
occupmo	No	66.43	50.59	1.1	74.79	28.34
assconcept	No	56.68	53.69	2.06	59.38	2.62
illbef1	No	56.22	78	0.45	0.04	82.07
illdur1	No	50.29	45.66	0.54	0.02	0.54
drugs1	No	85.39	85.92	85.35	62.5	81.93
omim	No	76.67	100	98.56	99.89	99.33
consang	No	49.52	46.51	15.33	82.3	3.29
prevsib	No	74.84	91.27	1.56	90.81	1.54
sib1	Yes	31.7	0	0.84	0	1.54
sibanom	No	72.3	61.46	2.35	60.45	13.63
moanom	No	72.18	55.32	18.75	65.57	11.82
faanom	No	73.9	57.21	20.14	72.74	12.96
sp_karyo	Yes	7.27	5.07	0.24	0	0.92
sp_drugs1	Yes	99.79	99.97	99.9	100	99.75
sp_sibanom	Yes	27.22	48.02	2.53	0.82	5.1
sp_moanom	Yes	27.96	30.81	8.18	0.44	1.7
sp_faanom	Yes	28.73	33.72	9.72	0	0
sp_syndrome	Yes	0.51	0	0	0	0
sp_malfo1	Yes	11.06	0.03	0	0	0
sp_malfo2	Yes	8.14	0	0	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Tuscany (IT)	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)
sp_malfo3	Yes	7.95	0.45	0	0	0
sp_malfo4	Yes	8.87	0	0	0	0
sp_malfo5	Yes	9.63	0	0	0	0
sp_malfo6	Yes	10.82	0	0	0	0
sp_malfo7	Yes	11.97	0	0	0	0
sp_malfo8	Yes	14.52	0	0	0	0
civreg	No	12.27	0	0.11	0	0.4
firstpre	No	61.23	58.31	1.58	54.21	1.14
sp_firstpre	Yes	9.01	0	0	0	0
surgery	No	52.63	44.2	68.64	23.72	0.94
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	96.56	97.65	93.63	95.43
sp_consang	Yes	43.49	4.08	80	0	10
matedu	No	80.33	60.79	0.51	70.89	50.37
socm	No	82.25	99.75	1.7	86.31	42.58
socf	No	85.89	99.89	11	89.98	67.83
migrant	No	66.74	76.51	0.2	4.59	15.18
aetiology	No	94.36	100	100	0.02	100
folic_g14	No	65.36	74.17	21.95	75.44	59.5
bmi	No	57.41	80.56	51.27	92.09	36.27
matdiab	No	67.17	46.06	1.75	44.65	14.78
hba1c	No	99.94	100	100	99.91	100
gentest	No	72.25	74.9	0.31	74.21	1.68
sp_gentest	Yes	38.64	38.18	14.29	1.75	30.19
firsttri	No	69.08	54.79	18.3	60.06	26.6
presyn	Yes	10.95	1	0.23	2.16	1.13
premal1	Yes	21.38	3.12	0.12	4.85	0.59
premal2	Yes	17.59	4.11	0.11	5.98	0.37
premal3	Yes	16.58	6.31	0.23	6.63	1.05
premal4	Yes	16.72	4.88	0.4	6.68	1.38
premal5	Yes	17.56	10	0	8.16	2.27
premal6	Yes	18.47	5.56	1.2	9.85	1.82
premal7	Yes	19.95	12.5	0	5.94	0
premal8	Yes	21.44	0	4.76	19.15	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Wales (UK)	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)
sex	No	4.93	4.86	9.74	3.58	0.24
nbrbaby	No	2.96	0	6.85	5.78	26.68
nbrmalf	Yes	4.82	0	23.03	6.48	24.81
type	No	0.01	0	0	0	0
weight	Yes	6.04	2.81	16.29	3.91	25.53
gestlength	No	6.17	0.91	13.22	2.79	26.12
death_date	Yes	27.85	95.89	15.01	0	98.11
survival	Yes	5.6	0.12	1.53	1.13	91.6
whendisc	No	3.95	0.04	4.11	3.52	49.43
agedisc	Yes	1.23	0.04	1.61	0.25	5.38
condisc	No	53.07	0	82.5	100	100
karyo	No	44.82	9.39	46.97	51.74	51.35
pm	Yes	73.74	16.16	73.61	83.99	100
datemo	No	35.88	80.62	57.53	46.7	25.93
residmo	No	39.38	100	57.53	46.7	3.47
agemo	No	1.8	0.22	0.2	0	25.98
pre_still	No	99.88	100	100	100	100
totpreg	No	41.68	40.29	99.94	100	28.67
occupmo	No	66.43	71.78	89.69	84.29	100
assconcept	No	56.68	60.17	80.58	85.03	79
illbef1	No	56.22	0	81.09	98.14	100
illdur1	No	50.29	0.02	82.05	100	0.41
drugs1	No	85.39	83.84	98.3	97.93	71.53
omim	No	76.67	95.95	57.53	46.7	99.9
consang	No	49.52	70.49	68.94	49.54	36.58
prevsib	No	74.84	40.91	82.05	100	100
sib1	Yes	31.7	1.12	0	0	0
sibanom	No	72.3	41.12	99.69	100	100
moanom	No	72.18	72.42	100	100	100
faanom	No	73.9	76.35	100	100	100
sp_karyo	Yes	7.27	4.82	12.06	0.48	78.44
sp_drugs1	Yes	99.79	99.55	100	100	99.94
sp_sibanom	Yes	27.22	0	100	0	0
sp_moanom	Yes	27.96	0	0	0	0
sp_faanom	Yes	28.73	0.48	0	0	0
sp_syndrome	Yes	0.51	0	0.85	0	0
sp_malfo1	Yes	11.06	0	3.49	4.8	0.84
sp_malfo2	Yes	8.14	0	6.86	6.86	0.38

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Wales (UK)	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)
sp_malfo3	Yes	7.95	0	6.49	7.75	0
sp_malfo4	Yes	8.87	0	7.99	8.6	0
sp_malfo5	Yes	9.63	0	10.81	8.07	0
sp_malfo6	Yes	10.82	0	2.44	9.33	0
sp_malfo7	Yes	11.97	0	5.71	6.95	0
sp_malfo8	Yes	14.52	0	6.98	16.94	0
civreg	No	12.27	0	0.03	0	0
firstpre	No	61.23	1.17	85.53	100	100
sp_firstpre	Yes	9.01	11.11	100	0	0
surgery	No	52.63	16.82	70.02	83.1	100
folic	No	NaN	0	0	0	0
sp_twin	Yes	92.13	95.15	95.44	94.98	100
sp_consang	Yes	43.49	0	45.45	45.89	0
matedu	No	80.33	99.5	100	100	100
socm	No	82.25	99.98	100	100	100
socf	No	85.89	99.68	100	100	100
migrant	No	66.74	11.02	100	100	100
aetiology	No	94.36	100	100	100	100
folic_g14	No	65.36	72.58	81.34	81.61	83.63
bmi	No	57.41	49.27	50.82	55.31	99.95
matdiab	No	67.17	54.55	92.3	91.84	100
hba1c	No	99.94	100	100	100	100
gentest	No	72.25	37.93	99.8	100	88.6
sp_gentest	Yes	38.64	0	28.57	0	0
firsttri	No	69.08	67.53	100	100	79.97
presyn	Yes	10.95	0	2.04	0.42	74.67
premal1	Yes	21.38	0.02	5.6	5.48	68.95
premal2	Yes	17.59	0.25	6.69	4.4	69.34
premal3	Yes	16.58	0.2	6.49	3.87	72.99
premal4	Yes	16.72	0	4.15	2.27	75.3
premal5	Yes	17.56	0	4.86	3.91	75
premal6	Yes	18.47	0.54	5.69	1.49	81.82
premal7	Yes	19.95	0	4.29	1.6	86.21
premal8	Yes	21.44	0	2.33	0.81	88.89

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Yorkshire and Humber (UK)	Zagreb (HR)
sex	No	4.93	4.81	0.93
nbrbaby	No	2.96	1.6	0
nbrmalf	Yes	4.82	4.3	0
type	No	0.01	0	0.15
weight	Yes	6.04	21.62	0
gestlength	No	6.17	23.42	0.15
death_date	Yes	27.85	0	47.3
survival	Yes	5.6	2.01	0.17
whendisc	No	3.95	3.84	0
agedisc	Yes	1.23	2.82	0.47
condisc	No	53.07	100	0.93
karyo	No	44.82	66	1.7
pm	Yes	73.74	95.16	81.79
datemo	No	35.88	44.42	1.54
residmo	No	39.38	44.42	0.15
agemo	No	1.8	0	1.54
pre_still	No	99.88	100	99.85
totpreg	No	41.68	100	0.62
occupmo	No	66.43	90.58	16.51
assconcept	No	56.68	89.28	0.62
illbef1	No	56.22	98.81	56.33
illdur1	No	50.29	100	51.08
drugs1	No	85.39	98.37	82.1
omim	No	76.67	44.42	90.9
consang	No	49.52	67.81	0.46
prevsib	No	74.84	100	2.93
sib1	Yes	31.7	0	25
sibanom	No	72.3	100	0.31
moanom	No	72.18	100	0.31
faanom	No	73.9	100	0.46
sp_karyo	Yes	7.27	1.11	2.02
sp_drugs1	Yes	99.79	100	99.25
sp_sibanom	Yes	27.22	0	32.26
sp_moanom	Yes	27.96	0	6.25
sp_faanom	Yes	28.73	0	7.69
sp_syndrome	Yes	0.51	0	0
sp_malfo1	Yes	11.06	0.2	0.16
sp_malfo2	Yes	8.14	1.45	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2015 to 2019

Variable	Conditional	All full members registries	Yorkshire and Humber (UK)	Zagreb (HR)
sp_malfo3	Yes	7.95	1.11	0
sp_malfo4	Yes	8.87	1.81	0
sp_malfo5	Yes	9.63	2.96	0
sp_malfo6	Yes	10.82	1.49	0
sp_malfo7	Yes	11.97	2.7	0
sp_malfo8	Yes	14.52	5	0
civreg	No	12.27	0	0
firstpre	No	61.23	100	0.31
sp_firstpre	Yes	9.01	0	0
surgery	No	52.63	65.86	6.02
folic	No	NaN	0	0
sp_twin	Yes	92.13	95.58	97.38
sp_consang	Yes	43.49	50.54	100
matedu	No	80.33	100	2.62
socm	No	82.25	100	2.78
socf	No	85.89	100	9.26
migrant	No	66.74	100	1.39
aetiology	No	94.36	100	87.19
folic_g14	No	65.36	85.63	2.01
bmi	No	57.41	72.14	9.72
matdiab	No	67.17	94.77	1.7
hba1c	No	99.94	100	100
gentest	No	72.25	100	3.24
sp_gentest	Yes	38.64	0	25
firsttri	No	69.08	100	1.7
presyn	Yes	10.95	1.86	2.06
premal1	Yes	21.38	5.57	0.65
premal2	Yes	17.59	3.85	0.77
premal3	Yes	16.58	7.11	0
premal4	Yes	16.72	4.71	0
premal5	Yes	17.56	6.67	0
premal6	Yes	18.47	7.46	0
premal7	Yes	19.95	5.41	0
premal8	Yes	21.44	5	0

- indicates no cases able to be missing