

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Basque Country (ES)
sex	No	4.96	2.22	2.82	0.7	2.93
nbrbaby	No	3.18	0.06	0	0	0.24
nbrmalf	Yes	5.27	2.82	58.97	0	0
type	No	0.02	0	0	0	0
weight	Yes	6.52	3.21	0.15	0.21	0.27
gestlength	No	5.12	2.76	0.23	0.17	0.24
death_date	Yes	30.85	21.33	97.02	0	71.27
survival	Yes	5.26	7.33	0	0	0
whendisc	No	4.66	10.16	0.23	0	0.18
agedisc	Yes	1.09	1.73	0.23	0	0.11
condisc	No	48.63	0.81	60.27	100	0.18
karyo	No	45.74	85.19	63.54	0.31	3.52
pm	Yes	72.02	96.54	78.56	78.43	44.92
datemo	No	42.04	1.71	0.23	0.04	0
residmo	No	45.42	0.12	0	100	0
agemo	No	2.01	1.68	0.23	0.09	0
pre_still	No	99.88	99.25	100	100	100
totpreg	No	36.01	5.29	60.05	0.22	0.42
occupmo	No	63.28	72.36	65.46	100	46.48
assconcept	No	56.08	55.59	3.61	0.13	6.75
illbef1	No	53.78	1.05	33.97	94.02	8.96
illdur1	No	46.83	1.56	35.33	64.06	14.16
drugs1	No	84.68	83.23	95.03	71.31	62.49
omim	No	84.94	99.85	99.89	93.28	90.38
consang	No	47.43	87.56	6.21	0.66	8.3
prevsib	No	72.53	2.07	98.19	100	6.15
sib1	Yes	31.25	0	0	0	0
sibanom	No	70.68	50.93	95.49	100	6.09
moanom	No	70.35	75.78	95.94	100	54.6
faanom	No	71.98	82.72	95.94	100	60.39
sp_karyo	Yes	8.38	10.08	21.45	1.14	0.43
sp_drugs1	Yes	99.76	99.93	99.64	100	99.9
sp_sibanom	Yes	27.55	13.35	7.14	0	11.96
sp_moanom	Yes	28.84	0.16	0	0	0
sp_faanom	Yes	29.85	0.5	0	0	0
sp_syndrome	Yes	0.55	0	0	0	0
sp_malfo1	Yes	13.88	0	1.88	0	0
sp_malfo2	Yes	10.07	0.06	11.3	0	0

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Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Basque Country (ES)
sp_malfo3	Yes	9.79	0	8.93	0	0
sp_malfo4	Yes	10.89	0	6.02	0	0
sp_malfo5	Yes	11.92	0	6.67	0	0
sp_malfo6	Yes	13.05	0	4	0	0
sp_malfo7	Yes	13.97	0	0	0	0
sp_malfo8	Yes	17.22	1.28	0	0	0
civreg	No	15.07	99.97	0.11	12.1	0.42
firstpre	No	59.07	53	79.91	20.35	1.73
sp_firstpre	Yes	12.84	0	0	100	11.11
surgery	No	53.31	40.32	53.72	20.7	4.9
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	95.7	97.97	95.76	92.1
sp_consang	Yes	51.16	6.67	66.67	100	5.26
matedu	No	79.33	77.58	73.93	100	87.46
socm	No	81.32	99.97	100	100	83.75
socf	No	84.93	99.97	100	100	91.16
migrant	No	65.27	100	99.77	100	1.49
aetiology	No	93.92	100	100	100	100
folic_g14	No	64.9	90.93	97.52	42.4	28.2
bmi	No	58.37	64.27	95.49	2.23	19.65
matdiab	No	64.82	75.69	39.73	100	2.69
hba1c	No	99.93	99.73	100	100	100
gentest	No	70.72	79.27	95.15	100	4.54
sp_gentest	Yes	40.88	13.24	0	0	32.14
firsttri	No	67.56	78.55	95.82	0.13	5.73
presyn	Yes	14.76	5.73	12.36	0	0
premal1	Yes	27.42	13.39	63.62	8.78	0.49
premal2	Yes	21.97	13.84	48.59	0.4	0.49
premal3	Yes	20.51	16.89	38.1	0.58	0.95
premal4	Yes	20.58	17.54	34.94	2.75	0.98
premal5	Yes	21.75	13.7	26.67	10.81	1.5
premal6	Yes	22.37	14.76	32	12.79	1.39
premal7	Yes	23.09	17.97	23.08	0	0
premal8	Yes	25.05	21.79	0	3.85	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	Brittany (FR)	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)
sex	No	4.96	0.28	4.5	7.16	2.11
nbrbaby	No	3.18	3.17	0	15.39	0
nbrmalf	Yes	5.27	6.96	0	1.96	0
type	No	0.02	0	0	0	0
weight	Yes	6.52	3.93	1.74	5.54	0.87
gestlength	No	5.12	2.44	2.09	4.88	1.12
death_date	Yes	30.85	97.72	0.09	0	0.18
survival	Yes	5.26	0.39	0.09	1.67	7.2
whendisc	No	4.66	1.61	0	4.19	0
agedisc	Yes	1.09	0.94	4.9	0.96	0.75
condisc	No	48.63	3.5	0.62	100	0
karyo	No	45.74	11.21	47.67	59.96	1.07
pm	Yes	72.02	61.89	87.83	94.64	17.51
datemo	No	42.04	100	0.08	64.18	1.18
residmo	No	45.42	100	2.09	64.18	0
agemo	No	2.01	3.25	0.08	0.02	1.28
pre_still	No	99.88	100	99.69	100	99.56
totpreg	No	36.01	6.14	68.37	100	0.97
occupmo	No	63.28	33.14	83.41	81.72	55.31
assconcept	No	56.08	14.28	80	82.12	17.4
illbef1	No	53.78	21.67	74.65	98.66	0
illdur1	No	46.83	27.19	78.99	100	0.02
drugs1	No	84.68	78.89	95.43	97.25	85.95
omim	No	84.94	100	97.6	64.18	0
consang	No	47.43	99.37	80.16	62.99	17.78
prevsib	No	72.53	9.64	73.88	100	100
sib1	Yes	31.25	0.95	1.1	0	0
sibanom	No	70.68	11.17	72.71	100	100
moanom	No	70.35	20.96	71.55	100	14.52
faanom	No	71.98	26.01	79.22	100	14.52
sp_karyo	Yes	8.38	2.71	9.27	0.5	0
sp_drugs1	Yes	99.76	98.59	99.84	100	0
sp_sibanom	Yes	27.55	100	8.26	0	0
sp_moanom	Yes	28.84	100	0.57	0	0
sp_faanom	Yes	29.85	100	3.23	0	0
sp_syndrome	Yes	0.55	0	0	0.12	0
sp_malfo1	Yes	13.88	0	0.09	15.61	0
sp_malfo2	Yes	10.07	0.11	0	21.89	0

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	Brittany (FR)	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)
sp_malfo3	Yes	9.79	0.59	0	22.49	0
sp_malfo4	Yes	10.89	0.57	0	22.64	0
sp_malfo5	Yes	11.92	0	0	26.74	0
sp_malfo6	Yes	13.05	1.02	0	35.19	0
sp_malfo7	Yes	13.97	0	0	39.34	0
sp_malfo8	Yes	17.22	0	5	47.62	0
civreg	No	15.07	8.04	0	0	0
firstpre	No	59.07	21.57	1.78	100	0
sp_firstpre	Yes	12.84	22.73	33.33	0	0
surgery	No	53.31	13.71	3.88	80.35	86.35
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	99.67	94.34	95.71	0
sp_consang	Yes	51.16	100	0	73.77	0
matedu	No	79.33	68.5	81.94	100	17.68
socm	No	81.32	35.8	75.12	100	51.67
socf	No	84.93	46.57	78.68	100	24.78
migrant	No	65.27	10.41	69.15	100	32.2
aetiology	No	93.92	100	1.94	100	100
folic_g14	No	64.9	69.52	85.27	87.94	86.11
bmi	No	58.37	32.95	87.52	70.54	19.6
matdiab	No	64.82	27.98	81.86	90.65	6.13
hba1c	No	99.93	100	100	100	100
gentest	No	70.72	29.44	52.02	100	40.9
sp_gentest	Yes	40.88	100	10.2	0	0
firsttri	No	67.56	35.9	82.48	100	69.72
presyn	Yes	14.76	2.21	0.66	0.83	38.21
premal1	Yes	27.42	1.01	0.17	7.05	67.67
premal2	Yes	21.97	3.07	0.28	8.26	79.84
premal3	Yes	20.51	5.17	0.51	9.03	86.2
premal4	Yes	20.58	4.86	0	8.02	87.27
premal5	Yes	21.75	9.46	0	7.49	86.36
premal6	Yes	22.37	9.18	2.33	5.56	88.24
premal7	Yes	23.09	16.67	4.35	8.2	100
premal8	Yes	25.05	50	25	7.14	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	French West Indies (FR)	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)
sex	No	4.96	1.69	3.35	2.21	0.63
nbrbaby	No	3.18	0	0	0	0
nbrmalf	Yes	5.27	0	3.85	3.77	0
type	No	0.02	0	0	0	0
weight	Yes	6.52	1.04	0.66	3.05	0
gestlength	No	5.12	0	0	3.24	0
death_date	Yes	30.85	9.93	0	96.14	0.54
survival	Yes	5.26	0.28	0	0.09	0
whendisc	No	4.66	0	0	0.29	0
agedisc	Yes	1.09	0	0	3.42	0
condisc	No	48.63	0	0	0.59	0
karyo	No	45.74	1.69	0.64	0.29	0
pm	Yes	72.02	58.34	70.93	0.88	78.1
datemo	No	42.04	1.07	0.16	0.15	0
residmo	No	45.42	0.09	100	0.59	0
agemo	No	2.01	1.07	0.16	3.17	0
pre_still	No	99.88	100	100	99.85	99.96
totpreg	No	36.01	0.36	0.64	3.17	0
occupmo	No	63.28	4.37	99.36	95.28	4.84
assconcept	No	56.08	0.45	2.24	95.28	0
illbef1	No	53.78	9.28	41.37	92.7	0
illdur1	No	46.83	14.63	0.16	92.92	0
drugs1	No	84.68	87.6	74.28	87.98	91.23
omim	No	84.94	99.91	100	96.53	99.96
consang	No	47.43	0.98	28.75	98.97	0
prevsib	No	72.53	1.52	0.16	98.67	0
sib1	Yes	31.25	7.69	0	82.35	0
sibanom	No	70.68	0.8	0.32	94.76	0
moanom	No	70.35	1.16	3.04	91.3	0
faanom	No	71.98	3.48	3.83	95.21	0
sp_karyo	Yes	8.38	0.17	1.02	25.31	0
sp_drugs1	Yes	99.76	98.68	100	99.24	99.96
sp_sibanom	Yes	27.55	7.69	32.43	4.29	0.65
sp_moanom	Yes	28.84	5.49	0	7.69	0
sp_faanom	Yes	29.85	7.5	0	13.85	0
sp_syndrome	Yes	0.55	0	46.24	0	0
sp_malfo1	Yes	13.88	0	0	0.53	0
sp_malfo2	Yes	10.07	0	0	0.32	0

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	French West Indies (FR)	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)
sp_malfo3	Yes	9.79	0	0	0.88	0
sp_malfo4	Yes	10.89	0	0	2.63	0
sp_malfo5	Yes	11.92	0	0	0	0
sp_malfo6	Yes	13.05	0	0	0	0
sp_malfo7	Yes	13.97	0	0	0	0
sp_malfo8	Yes	17.22	0	0	0	0
civreg	No	15.07	0.09	0	0	0
firstpre	No	59.07	2.77	0	45.65	54.22
sp_firstpre	Yes	12.84	0	0	100	0
surgery	No	53.31	33.63	21.57	3.83	16.9
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	95.27	95.85	96.31	95.52
sp_consang	Yes	51.16	0	37.5	91.67	0
matedu	No	79.33	5.35	100	99.93	25.94
socm	No	81.32	19.27	100	99.71	60.21
socf	No	84.93	20.61	100	99.93	34.95
migrant	No	65.27	2.14	0.96	100	0.2
aetiology	No	93.92	100	100	100	98.97
folic_g14	No	64.9	3.48	84.03	99.93	0
bmi	No	58.37	10.7	1.28	99.93	4.4
matdiab	No	64.82	1.96	0.16	98.3	0.04
hba1c	No	99.93	100	100	100	98.61
gentest	No	70.72	2.85	93.13	0.74	0.04
sp_gentest	Yes	40.88	21.43	60.98	56.25	16.03
firsttri	No	67.56	3.21	0.64	99.71	0.04
presyn	Yes	14.76	0	0.58	3.3	0.59
premal1	Yes	27.42	0.1	0.37	1.33	0
premal2	Yes	21.97	0.63	2.01	3.47	0.14
premal3	Yes	20.51	0.77	1.75	3.54	0.35
premal4	Yes	20.58	0	0	10.53	0
premal5	Yes	21.75	1.2	0	9.09	0
premal6	Yes	22.37	2.38	0	33.33	0
premal7	Yes	23.09	0	0	0	0
premal8	Yes	25.05	0	0	0	0

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Missing values frequency tables (July 2025)

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	Malta (MT)	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)
sex	No	4.96	0	2.56	3.66	0.38
nbrbaby	No	3.18	0	0	1.16	0
nbrmalf	Yes	5.27	0	0	0.69	4.85
type	No	0.02	0	0	0	0
weight	Yes	6.52	0.15	2.28	26.17	10.61
gestlength	No	5.12	0.15	2.95	16.45	5.05
death_date	Yes	30.85	93.5	97.68	0	0
survival	Yes	5.26	0.15	0.03	6.03	0
whendisc	No	4.66	0.87	1.02	5.3	0.72
agedisc	Yes	1.09	0.56	1.31	1.32	0.68
condisc	No	48.63	0	0.07	80.73	2.96
karyo	No	45.74	2.18	60.64	77.95	0.53
pm	Yes	72.02	0.29	79.15	84.38	2.39
datemo	No	42.04	0	4.26	77.75	8.66
residmo	No	45.42	0	0.05	77.75	35.17
agemo	No	2.01	0	2.58	0	8.66
pre_still	No	99.88	100	100	100	100
totpreg	No	36.01	0	6.92	79.52	40.49
occupmo	No	63.28	12.06	27.76	93.54	55.34
assconcept	No	56.08	1.74	8.33	76.77	77.78
illbef1	No	53.78	0.73	0.12	98.84	0
illdur1	No	46.83	1.16	0.15	100	0.27
drugs1	No	84.68	54.36	82.61	96.24	62.02
omim	No	84.94	100	100	77.4	87.12
consang	No	47.43	0.29	1.51	69.35	99.66
prevsib	No	72.53	0.73	66.85	100	65.06
sib1	Yes	31.25	0	0	0	13.33
sibanom	No	70.68	0.58	6.65	100	52.34
moanom	No	70.35	0.58	5.6	100	46.87
faanom	No	71.98	0.58	6.19	100	48.92
sp_karyo	Yes	8.38	6.67	0	0	0.1
sp_drugs1	Yes	99.76	100	99.97	100	100
sp_sibanom	Yes	27.55	3.23	0	0	100
sp_moanom	Yes	28.84	0	0.9	0	100
sp_faanom	Yes	29.85	0	0	0	100
sp_syndrome	Yes	0.55	0	0	0	0
sp_malfo1	Yes	13.88	0	0	11.26	0
sp_malfo2	Yes	10.07	0	0.07	10.31	0

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	Malta (MT)	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)
sp_malfo3	Yes	9.79	0	0	11.04	0
sp_malfo4	Yes	10.89	0	0	12.68	0
sp_malfo5	Yes	11.92	0	0	12.41	0
sp_malfo6	Yes	13.05	0	0	13.11	0
sp_malfo7	Yes	13.97	0	0	16.67	0
sp_malfo8	Yes	17.22	0	0	0	0
civreg	No	15.07	0	0	0.08	0
firstpre	No	59.07	1.45	57.5	86	31.48
sp_firstpre	Yes	12.84	0	0	0	0
surgery	No	53.31	2.03	23.36	57.54	24.38
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	92.73	95.96	96.39	96.09
sp_consang	Yes	51.16	0	0	65.85	83.33
matedu	No	79.33	2.91	31.05	100	47.82
socm	No	81.32	100	29.01	100	100
socf	No	84.93	100	47.81	100	100
migrant	No	65.27	0.44	5.58	100	100
aetiology	No	93.92	100	100	100	100
folic_g14	No	64.9	3.63	34.58	73.71	45.73
bmi	No	58.37	23.11	27.08	63.62	43.56
matdiab	No	64.82	0.15	5.41	92.05	45.92
hba1c	No	99.93	99.27	99.88	100	100
gentest	No	70.72	10.61	85	100	0
sp_gentest	Yes	40.88	29.31	0	0	100
firsttri	No	67.56	2.18	10.16	100	37.22
presyn	Yes	14.76	7.53	19.71	1.09	0.44
premal1	Yes	27.42	2.67	62.6	21.07	1.41
premal2	Yes	21.97	4.03	50.22	20.14	1.22
premal3	Yes	20.51	4.71	40.31	17.66	0.71
premal4	Yes	20.58	10	31.89	17.03	0.94
premal5	Yes	21.75	0	29.41	20.44	1.19
premal6	Yes	22.37	20	27.27	18.03	2.04
premal7	Yes	23.09	0	20	0	1.18
premal8	Yes	25.05	0	24.44	0	1.67

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2014 to 2018

Variable	Conditional	All full members registries	Navarra (ES)	North West England (UK)	Norway (NO)	Paris (FR)
sex	No	4.96	5.18	7.77	4.55	0.63
nbrbaby	No	3.18	0.21	0.44	0	0
nbrmalf	Yes	5.27	0	4.4	0.62	0
type	No	0.02	0	0	0.05	0
weight	Yes	6.52	0.87	2.76	0.03	0.26
gestlength	No	5.12	0.63	18.38	0.27	0.05
death_date	Yes	30.85	97.51	0	0.02	0
survival	Yes	5.26	0	0.06	0	0.11
whendisc	No	4.66	0.21	5.6	0.01	0.28
agedisc	Yes	1.09	0.61	2.89	0.05	0
condisc	No	48.63	0.63	100	100	100
karyo	No	45.74	0.11	66.61	100	0.58
pm	Yes	72.02	7.51	97.07	100	100
datemo	No	42.04	0.53	0	100	0
residmo	No	45.42	79.18	0	100	0
agemo	No	2.01	0.74	0	0	0
pre_still	No	99.88	100	100	100	100
totpreg	No	36.01	0.85	100	0	0.33
occupmo	No	63.28	99.89	100	27.19	100
assconcept	No	56.08	0.63	89.3	100	0.91
illbef1	No	53.78	0.53	98.89	99.01	0
illdur1	No	46.83	0.53	100	95.24	0
drugs1	No	84.68	99.05	100	72.52	86.81
omim	No	84.94	91.97	0	100	100
consang	No	47.43	1.37	70.38	10.68	1.61
prevsib	No	72.53	16.6	100	100	79.24
sib1	Yes	31.25	0	0	0	97.7
sibanom	No	70.68	0.63	100	100	100
moanom	No	70.35	2.01	100	100	100
faanom	No	71.98	1.9	100	100	100
sp_karyo	Yes	8.38	0	0.22	0	54.95
sp_drugs1	Yes	99.76	100	0	100	100
sp_sibanom	Yes	27.55	39.24	0	0	0
sp_moanom	Yes	28.84	1.56	0	0	0
sp_faanom	Yes	29.85	6.67	0	0	0
sp_syndrome	Yes	0.55	0	0	0	0
sp_malfo1	Yes	13.88	0	0.05	100	0
sp_malfo2	Yes	10.07	0	0	100	2.1

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Navarra (ES)	North West England (UK)	Norway (NO)	Paris (FR)
sp_malfo3	Yes	9.79	0	0	100	0.42
sp_malfo4	Yes	10.89	0	0	100	0
sp_malfo5	Yes	11.92	0	0	100	0
sp_malfo6	Yes	13.05	0	0	100	0
sp_malfo7	Yes	13.97	0	0	100	0
sp_malfo8	Yes	17.22	0	0	100	0
civreg	No	15.07	0	0	100	0
firstpre	No	59.07	0.53	100	100	100
sp_firstpre	Yes	12.84	0	0	0	0
surgery	No	53.31	1.27	62.88	100	46.33
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	93.76	95.74	95.23	100
sp_consang	Yes	51.16	70	0	100	100
matedu	No	79.33	100	100	100	100
socm	No	81.32	100	100	100	9.13
socf	No	84.93	100	100	100	100
migrant	No	65.27	29.07	100	100	100
aetiology	No	93.92	100	100	100	100
folic_g14	No	64.9	28.86	83.17	23.32	100
bmi	No	58.37	20.93	70.78	100	9.94
matdiab	No	64.82	2.64	100	100	100
hba1c	No	99.93	98.31	100	100	100
gentest	No	70.72	0.11	100	100	100
sp_gentest	Yes	40.88	2.08	0	0	0
firsttri	No	67.56	99.15	100	100	5.86
presyn	Yes	14.76	0.34	0.56	100	0.09
premal1	Yes	27.42	0.24	7.54	100	0.27
premal2	Yes	21.97	0.31	7.88	100	0
premal3	Yes	20.51	0.8	9.12	100	0
premal4	Yes	20.58	0	8.33	100	0
premal5	Yes	21.75	0	13.56	100	0
premal6	Yes	22.37	0	7.14	100	0
premal7	Yes	23.09	0	25	100	0
premal8	Yes	25.05	0	22.22	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 2014 to 2018

Variable	Conditional	All full members registries	Pleven (BG)	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)
sex	No	4.96	5.03	1.6	2.68	1.05
nbrbaby	No	3.18	0	0	0.14	0
nbrmalf	Yes	5.27	0	0	0	32
type	No	0.02	0	0	0	0
weight	Yes	6.52	4.33	2.99	1.76	0.43
gestlength	No	5.12	7.55	5.74	1.02	1.26
death_date	Yes	30.85	97.51	98.14	0	31.97
survival	Yes	5.26	0	2.66	0	0
whendisc	No	4.66	0	0.28	0.28	34.95
agedisc	Yes	1.09	0	7.41	0.97	4.92
condisc	No	48.63	92.14	0.09	1.16	30.32
karyo	No	45.74	91.82	1.79	80.32	35.58
pm	Yes	72.02	99.06	71.94	9.43	30.53
datemo	No	42.04	100	3.11	0.92	29.68
residmo	No	45.42	100	1.41	0	29.47
agemo	No	2.01	5.97	0.75	0.92	0.21
pre_still	No	99.88	100	100	100	99.58
totpreg	No	36.01	100	4.9	0	30.53
occupmo	No	63.28	100	19.59	95.95	57.89
assconcept	No	56.08	100	0.75	97.75	53.68
illbef1	No	53.78	100	20.34	0.04	30.74
illdur1	No	46.83	100	0.56	0	32.42
drugs1	No	84.68	100	87.57	81.56	85.05
omim	No	84.94	99.69	100	100	99.79
consang	No	47.43	99.69	14.69	85.39	86.74
prevsib	No	72.53	99.69	98.4	98.38	36.63
sib1	Yes	31.25	0	5.88	0	0
sibanom	No	70.68	99.69	29	93.56	38.32
moanom	No	70.35	100	26.74	89.69	44.84
faanom	No	71.98	100	33.62	96.23	85.89
sp_karyo	Yes	8.38	0	1.19	0	10.32
sp_drugs1	Yes	99.76	100	100	100	99.5
sp_sibanom	Yes	27.55	0	65.38	0	31.82
sp_moanom	Yes	28.84	0	4.17	0	6.06
sp_faanom	Yes	29.85	0	6.25	0	25.93
sp_syndrome	Yes	0.55	0	26.67	0	0
sp_malfo1	Yes	13.88	0	0.47	0	0.23
sp_malfo2	Yes	10.07	0	0.75	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Pleven (BG)	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)
sp_malfo3	Yes	9.79	0	0	0	0
sp_malfo4	Yes	10.89	0	1.11	0	0
sp_malfo5	Yes	11.92	0	0	0	0
sp_malfo6	Yes	13.05	0	0	0	0
sp_malfo7	Yes	13.97	0	0	0	0
sp_malfo8	Yes	17.22	0	0	0	0
civreg	No	15.07	0	1.32	0	0
firstpre	No	59.07	85.85	1.04	0.04	38.53
sp_firstpre	Yes	12.84	0	0	0	0
surgery	No	53.31	37.11	72.41	20.73	36.63
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	100	98.68	93.88	96.21
sp_consang	Yes	51.16	0	21.43	0	100
matedu	No	79.33	100	76.46	100	88.42
socm	No	81.32	100	90.68	100	75.16
socf	No	84.93	100	99.53	100	89.47
migrant	No	65.27	100	69.11	6.58	39.37
aetiology	No	93.92	100	100	100	100
folic_g14	No	64.9	100	20.34	59.1	59.16
bmi	No	58.37	100	100	73.95	53.47
matdiab	No	64.82	100	6.59	92.43	48.63
hba1c	No	99.93	100	100	100	100
gentest	No	70.72	98.74	95.39	84.16	42.95
sp_gentest	Yes	40.88	50	4	100	25.6
firsttri	No	67.56	100	37.76	59.1	50.32
presyn	Yes	14.76	100	0	19.69	14.12
premal1	Yes	27.42	100	4.43	39.89	40.83
premal2	Yes	21.97	100	3.52	51.02	31.29
premal3	Yes	20.51	100	3.66	54.66	28.79
premal4	Yes	20.58	100	5.56	61.42	30.77
premal5	Yes	21.75	100	9.76	71.36	35.71
premal6	Yes	22.37	100	13.33	73.23	0
premal7	Yes	23.09	100	12.5	81.82	0
premal8	Yes	25.05	100	0	81.97	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	South West England (UK)	Styria (AT)	Thames Valley (UK)	Trento (IT)
sex	No	4.96	6.92	2.79	11.28	9.32
nbrbaby	No	3.18	6.86	0.99	11.86	0
nbrmalf	Yes	5.27	13.68	0	25.76	100
type	No	0.02	0.08	0.41	0	0
weight	Yes	6.52	18.03	9.77	17.24	0.35
gestlength	No	5.12	11.77	7.89	17.69	0.26
death_date	Yes	30.85	15.09	97.35	18.44	100
survival	Yes	5.26	0.39	0.88	8.76	0
whendisc	No	4.66	12.62	2.3	11.66	0.52
agedisc	Yes	1.09	1.71	7.21	2.42	0.29
condisc	No	48.63	95.28	37.88	88.43	100
karyo	No	45.74	64.2	25.8	69.58	100
pm	Yes	72.02	88.34	78.88	94.4	100
datemo	No	42.04	77.31	0.82	75	100
residmo	No	45.42	77.31	49.63	75.9	100
agemo	No	2.01	1.03	0.82	2.52	0.39
pre_still	No	99.88	100	100	100	100
totpreg	No	36.01	96.46	53.66	100	100
occupmo	No	63.28	79.98	100	87.88	100
assconcept	No	56.08	65.23	99.75	86.89	100
illbef1	No	53.78	99.24	100	99.1	100
illdur1	No	46.83	100	100	100	100
drugs1	No	84.68	92.4	100	97.82	100
omim	No	84.94	77.31	99.75	75.9	100
consang	No	47.43	63.38	100	73.4	100
prevsib	No	72.53	100	99.67	100	100
sib1	Yes	31.25	0	0	0	0
sibanom	No	70.68	100	99.92	100	100
moanom	No	70.35	100	99.92	100	100
faanom	No	71.98	100	99.92	100	100
sp_karyo	Yes	8.38	0.75	2.12	0	0
sp_drugs1	Yes	99.76	100	99.92	100	100
sp_sibanom	Yes	27.55	0	0	0	0
sp_moanom	Yes	28.84	0	0	0	0
sp_faanom	Yes	29.85	0	0	0	0
sp_syndrome	Yes	0.55	0	3.57	2.77	0
sp_malfo1	Yes	13.88	0.86	3.6	3.53	0
sp_malfo2	Yes	10.07	0.79	27.05	4.08	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	South West England (UK)	Styria (AT)	Thames Valley (UK)	Trento (IT)
sp_malfo3	Yes	9.79	0.4	27.78	4.64	0
sp_malfo4	Yes	10.89	0.14	29.03	3.83	0
sp_malfo5	Yes	11.92	0.43	37.04	2.72	0
sp_malfo6	Yes	13.05	1.38	43.75	2.33	0
sp_malfo7	Yes	13.97	0.49	25	1.89	0
sp_malfo8	Yes	17.22	1.49	50	20	0
civreg	No	15.07	0.06	31.22	0	0
firstpre	No	59.07	100	48.89	100	100
sp_firstpre	Yes	12.84	0	0	0	0
surgery	No	53.31	69.34	33.2	74.83	27.17
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	95.37	98.11	96.55	100
sp_consang	Yes	51.16	69.39	0	73.86	0
matedu	No	79.33	100	100	100	100
socm	No	81.32	100	100	100	100
socf	No	84.93	100	100	100	100
migrant	No	65.27	100	100	100	100
aetiology	No	93.92	100	100	100	100
folic_g14	No	64.9	73.16	100	87.7	100
bmi	No	58.37	48.74	100	54.29	32.41
matdiab	No	64.82	91.45	100	94.98	100
hba1c	No	99.93	100	100	100	100
gentest	No	70.72	100	60.89	100	100
sp_gentest	Yes	40.88	0	22.82	0	0
firsttri	No	67.56	100	100	100	100
presyn	Yes	14.76	8.32	67.06	3.64	100
premal1	Yes	27.42	15.11	45.7	16.12	100
premal2	Yes	21.97	10.22	54.09	20.04	100
premal3	Yes	20.51	6.56	59.44	21.57	100
premal4	Yes	20.58	5.96	62.9	24.9	100
premal5	Yes	21.75	6.06	55.56	25.85	0
premal6	Yes	22.37	5.52	56.25	24.42	0
premal7	Yes	23.09	4.41	50	28.3	0
premal8	Yes	25.05	5.97	50	20	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Tuscany (IT)	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)
sex	No	4.96	6.56	4.07	25.17	1.01
nbrbaby	No	3.18	0	0	0.19	0
nbrmalf	Yes	5.27	0	1.1	0	0
type	No	0.02	0	0.03	0	0
weight	Yes	6.52	3.11	0.47	0.41	0.97
gestlength	No	5.12	1.87	0.05	0.31	0.13
death_date	Yes	30.85	98	0.1	0	15.78
survival	Yes	5.26	2.26	0.38	0.02	0
whendisc	No	4.66	2.55	0.03	1.91	0.27
agedisc	Yes	1.09	0.95	0.07	0.11	0
condisc	No	48.63	1.9	3.27	5.6	0.27
karyo	No	45.74	49.88	0.37	73.6	0.74
pm	Yes	72.02	38.73	79.31	96.66	60.24
datemo	No	42.04	17.36	0.05	0.14	0.2
residmo	No	45.42	0.08	0	0	0.07
agemo	No	2.01	4.2	0.05	0.14	0.34
pre_still	No	99.88	100	99.02	99.27	100
totpreg	No	36.01	6.07	0.4	19.8	6.11
occupmo	No	63.28	48.7	1.04	78.04	29.01
assconcept	No	56.08	50.37	1.89	53.39	2.42
illbef1	No	53.78	88.96	0.24	0.03	94.56
illdur1	No	46.83	41.12	0.29	0.02	0.4
drugs1	No	84.68	85.22	86.94	70.91	81.6
omim	No	84.94	100	98.54	99.98	99.4
consang	No	47.43	41.33	12.5	74.11	3.43
prevsib	No	72.53	90.41	1.54	78.2	0.67
sib1	Yes	31.25	0	0	0	0
sibanom	No	70.68	58.12	2.26	58.5	18
moanom	No	70.35	51.19	17.39	66.01	15.25
faanom	No	71.98	52.82	18.01	70.45	16.05
sp_karyo	Yes	8.38	6.21	0	0	0.67
sp_drugs1	Yes	99.76	99.84	98.31	99.95	99.59
sp_sibanom	Yes	27.55	41.88	2.42	2.16	3.81
sp_moanom	Yes	28.84	28.98	6.42	0.58	0.54
sp_faanom	Yes	29.85	38.02	7.89	0.79	0
sp_syndrome	Yes	0.55	0	0	0	0
sp_malfo1	Yes	13.88	0.03	0	0	0
sp_malfo2	Yes	10.07	0	0	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Tuscany (IT)	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)
sp_malfo3	Yes	9.79	0.43	0	0	0
sp_malfo4	Yes	10.89	0	0	0	0
sp_malfo5	Yes	11.92	0	0	0	0
sp_malfo6	Yes	13.05	0	0	0	0
sp_malfo7	Yes	13.97	0	0	0	0
sp_malfo8	Yes	17.22	0	0	0	0
civreg	No	15.07	0	0.08	0	0.6
firstpre	No	59.07	60.12	1.38	46.33	0.94
sp_firstpre	Yes	12.84	0.89	0	0	0
surgery	No	53.31	44.49	68.96	31.11	0.67
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	96.48	97.53	93.04	95.03
sp_consang	Yes	51.16	3.7	66.67	0	0
matedu	No	79.33	57.26	0.53	74.46	52.92
socm	No	81.32	99.81	1.46	89.47	42.38
socf	No	84.93	99.92	8.83	91.2	70.25
migrant	No	65.27	88.3	0.16	4.9	18.8
aetiology	No	93.92	100	100	0.02	100
folic_g14	No	64.9	73.25	22.66	84.31	74.48
bmi	No	58.37	72.78	50.98	95.56	40.56
matdiab	No	64.82	42.32	1.52	50.07	16.59
hba1c	No	99.93	100	100	99.83	100
gentest	No	70.72	76.22	0.24	78.2	0.94
sp_gentest	Yes	40.88	34.52	22.73	2.96	19.32
firsttri	No	67.56	50.76	15.88	67.93	28.07
presyn	Yes	14.76	0.98	0.43	2.21	1.34
premal1	Yes	27.42	3.11	0.06	4.71	0.45
premal2	Yes	21.97	3.31	0.1	6.42	0.17
premal3	Yes	20.51	6.41	0.21	7.74	1.25
premal4	Yes	20.58	4.3	0	8.16	1.16
premal5	Yes	21.75	12.2	0	9.49	3.51
premal6	Yes	22.37	10	1.04	11.93	1.47
premal7	Yes	23.09	10	0	8.89	0
premal8	Yes	25.05	0	3.85	20	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Wales (UK)	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)
sex	No	4.96	4.89	9.41	3.82	0.26
nbrbaby	No	3.18	0	6.51	7.78	26.4
nbrmalf	Yes	5.27	0	35.33	8.3	17.8
type	No	0.02	0	0.03	0	0
weight	Yes	6.52	3.24	24.48	5.21	24.98
gestlength	No	5.12	0.99	9.29	2.88	25.64
death_date	Yes	30.85	96.1	31.75	0	98.58
survival	Yes	5.26	0.16	1.22	1.49	83.68
whendisc	No	4.66	0.06	3.13	2.9	55.24
agedisc	Yes	1.09	0	0.98	0.26	4.71
condisc	No	48.63	0	64.86	100	100
karyo	No	45.74	8.51	38.76	51.19	54.34
pm	Yes	72.02	15.7	56.88	82.82	100
datemo	No	42.04	81.72	76.76	62.85	27.92
residmo	No	45.42	100	76.76	62.85	2.63
agemo	No	2.01	0.22	0.23	0	27.94
pre_still	No	99.88	100	100	100	100
totpreg	No	36.01	41.49	99.94	100	27.84
occupmo	No	63.28	67.87	89.56	78.86	100
assconcept	No	56.08	60.3	83.05	85.16	89.83
illbef1	No	53.78	0.02	62.85	98.2	100
illdur1	No	46.83	0.04	63.6	100	0.17
drugs1	No	84.68	84.32	98.28	97.22	71.3
omim	No	84.94	96.23	76.76	62.85	99.98
consang	No	47.43	67.2	74.73	50.35	38.66
prevsib	No	72.53	42.28	63.6	100	100
sib1	Yes	31.25	1.38	0	0	0
sibanom	No	70.68	42.51	99.51	100	100
moanom	No	70.35	69.45	100	100	100
faanom	No	71.98	72.87	100	100	100
sp_karyo	Yes	8.38	5.15	21.44	0.56	79.93
sp_drugs1	Yes	99.76	99.6	100	100	100
sp_sibanom	Yes	27.55	0	100	0	0
sp_moanom	Yes	28.84	0.23	0	0	0
sp_faanom	Yes	29.85	2.07	0	0	0
sp_syndrome	Yes	0.55	0	1.03	0	0
sp_malfo1	Yes	13.88	0	3.45	6.45	1.11
sp_malfo2	Yes	10.07	0	7.09	8.89	0.39

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Wales (UK)	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)
sp_malfo3	Yes	9.79	0	6.82	9.63	0
sp_malfo4	Yes	10.89	0	8.22	10.33	0
sp_malfo5	Yes	11.92	0	11.3	9.46	0
sp_malfo6	Yes	13.05	0	2.86	10.73	0
sp_malfo7	Yes	13.97	0	6.78	7.6	0
sp_malfo8	Yes	17.22	0	8.33	18.1	0
civreg	No	15.07	0	0.09	0	0
firstpre	No	59.07	1.39	71.49	100	100
sp_firstpre	Yes	12.84	0	100	0	0
surgery	No	53.31	16.47	67.67	85.64	100
folic	No	NaN	0	0	0	0
sp_twin	Yes	91.77	95.15	96.56	94.98	100
sp_consang	Yes	51.16	0	83.33	62.23	0
matedu	No	79.33	99.25	100	100	100
socm	No	81.32	99.94	100	100	100
socf	No	84.93	99.7	100	100	100
migrant	No	65.27	9.91	100	100	100
aetiology	No	93.92	100	100	100	100
folic_g14	No	64.9	69.07	85.28	81.86	92.93
bmi	No	58.37	55.77	57.26	53.53	99.95
matdiab	No	64.82	54.96	92.17	89.02	100
hba1c	No	99.93	100	100	100	100
gentest	No	70.72	19.97	99.31	100	97
sp_gentest	Yes	40.88	0	22.73	0	0
firsttri	No	67.56	58.56	100	100	91.18
presyn	Yes	14.76	0	2.06	0.34	86.39
premal1	Yes	27.42	0.02	3.88	4.73	87.38
premal2	Yes	21.97	0.24	5.02	4.87	86.49
premal3	Yes	20.51	0.1	4.2	4.24	89.03
premal4	Yes	20.58	0	3.29	2.73	87.43
premal5	Yes	21.75	0	5.08	4.01	87.23
premal6	Yes	22.37	0.53	5.71	1.29	90.2
premal7	Yes	23.09	0	1.69	1.17	90.91
premal8	Yes	25.05	0	2.78	0.86	95.24

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Yorkshire and Humber (UK)	Zagreb (HR)
sex	No	4.96	5.48	1.34
nbrbaby	No	3.18	1.73	0
nbrmalf	Yes	5.27	2.21	0
type	No	0.02	0	0.15
weight	Yes	6.52	29.72	0
gestlength	No	5.12	21.74	0.15
death_date	Yes	30.85	0	28.74
survival	Yes	5.26	2.76	0.17
whendisc	No	4.66	3.78	0
agedisc	Yes	1.09	2.8	0.5
condisc	No	48.63	100	0.3
karyo	No	45.74	67.93	1.78
pm	Yes	72.02	94.68	77
datemo	No	42.04	61.26	1.48
residmo	No	45.42	61.26	0
agemo	No	2.01	0	1.48
pre_still	No	99.88	100	99.55
totpreg	No	36.01	100	0.59
occupmo	No	63.28	87.01	21.22
assconcept	No	56.08	88.77	0.59
illbef1	No	53.78	98.91	73.74
illdur1	No	46.83	100	68.55
drugs1	No	84.68	97.75	84.27
omim	No	84.94	61.26	90.36
consang	No	47.43	66.84	0.59
prevsib	No	72.53	100	3.12
sib1	Yes	31.25	0	30
sibanom	No	70.68	100	0.45
moanom	No	70.35	100	0.45
faanom	No	71.98	100	0.59
sp_karyo	Yes	8.38	1.47	1.94
sp_drugs1	Yes	99.76	100	99.3
sp_sibanom	Yes	27.55	0	33.33
sp_moanom	Yes	28.84	0	3.57
sp_faanom	Yes	29.85	0	8
sp_syndrome	Yes	0.55	0	0
sp_malfo1	Yes	13.88	0.28	0.31
sp_malfo2	Yes	10.07	1.98	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2014 to 2018

Variable	Conditional	All full members registries	Yorkshire and Humber (UK)	Zagreb (HR)
sp_malfo3	Yes	9.79	1.54	0
sp_malfo4	Yes	10.89	2.51	0
sp_malfo5	Yes	11.92	4.4	0
sp_malfo6	Yes	13.05	1.92	0
sp_malfo7	Yes	13.97	3.12	0
sp_malfo8	Yes	17.22	5.88	0
civreg	No	15.07	0	0
firstpre	No	59.07	100	0.3
sp_firstpre	Yes	12.84	0	0
surgery	No	53.31	61.23	6.97
folic	No	NaN	0	0
sp_twin	Yes	91.77	95.57	97.18
sp_consang	Yes	51.16	68.61	0
matedu	No	79.33	100	2.67
socm	No	81.32	100	2.67
socf	No	84.93	100	9.2
migrant	No	65.27	100	1.34
aetiology	No	93.92	100	91.84
folic_g14	No	64.9	86.59	1.93
bmi	No	58.37	70.88	11.72
matdiab	No	64.82	92.78	1.04
hba1c	No	99.93	100	100
gentest	No	70.72	100	2.82
sp_gentest	Yes	40.88	0	25
firsttri	No	67.56	100	1.34
presyn	Yes	14.76	2.24	2.06
premal1	Yes	27.42	5.62	0.47
premal2	Yes	21.97	4.25	0.64
premal3	Yes	20.51	9.47	0
premal4	Yes	20.58	6.53	0
premal5	Yes	21.75	9.89	0
premal6	Yes	22.37	7.69	0
premal7	Yes	23.09	6.25	0
premal8	Yes	25.05	5.88	0

- indicates no cases able to be missing