

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Antwerp (BE)	ATS Val Padana (IT)	Auvergne (FR)	Brittany (FR)
sex	No	4.83	2.55	2.4	0.85	0.38
nbrbaby	No	1.99	0.03	0	0	4.26
nbrmalf	Yes	4.65	1.9	13.04	0	7.39
type	No	0.01	0.03	0	0	0
weight	Yes	4.45	3.95	0.32	0.84	3.39
gestlength	No	7.53	3.14	2.02	0.54	1.63
death_date	Yes	28.67	1.78	97.37	0	98.15
survival	Yes	6.66	6.39	0	0	0.68
whendisc	No	3.99	11.37	0.5	0.45	2.11
agedisc	Yes	1.33	2.24	0.81	0.09	0.65
condisc	No	57	1.65	16.65	100	4.9
karyo	No	42.94	85.94	63.18	1.79	16.07
pm	Yes	75.99	96.04	79.95	81.07	57.74
datemo	No	22.18	1.86	0.38	0	100
residmo	No	26.3	0.34	0	100	100
agemo	No	1.56	1.79	0.38	0	3.05
pre_still	No	99.89	99.35	100	100	100
totpreg	No	48.11	4.31	17.78	0.54	7.31
occupmo	No	73.31	72.19	24.34	100	34.26
assconcept	No	56.38	42.94	9.84	0.85	18.85
illbef1	No	57.78	2.38	65.45	72.81	22.25
illdur1	No	53.36	3.27	67.47	51.43	25.79
drugs1	No	86.62	77.74	84.74	70.76	82.91
omim	No	62.14	100	99.75	95.27	100
consang	No	53.29	86.29	16.39	1.03	99.31
prevsib	No	75.86	2.45	95.21	99.55	8.61
sib1	Yes	33.91	0	0	0	0.36
sibanom	No	73.07	52.31	89.66	99.91	7.51
moanom	No	74.15	65.54	94.07	100	24.16
faanom	No	75.92	77.43	94.58	100	29.22
sp_karyo	Yes	6.89	2.15	11.71	0.79	2.61
sp_drugs1	Yes	99.53	99.29	99.7	100	96.28
sp_sibanom	Yes	28.48	3.52	2.78	0	100
sp_moanom	Yes	28.26	0.15	0	0	100
sp_faanom	Yes	31.81	1.02	0	0	100
sp_syndrome	Yes	0.03	0	0	0	0
sp_malfo1	Yes	5.06	0	0.81	0	0
sp_malfo2	Yes	3.55	0.08	1.59	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	3.53	0	2.24	0.23	0.23
sp_malfo4	Yes	3.91	0	0.83	0	0.44
sp_malfo5	Yes	3.82	0	0	0	0
sp_malfo6	Yes	4.58	0	0	0	1.2
sp_malfo7	Yes	5.31	0	0	2.33	0
sp_malfo8	Yes	6.07	0	0	0	0
civreg	No	7.52	100	0.25	13.84	6.88
firstpre	No	63.19	35.49	59.52	13.93	14.04
sp_firstpre	Yes	11.37	0	0	100	16
surgery	No	53.05	40.14	32.41	16.29	11.31
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	96.38	97.1	96.07	99.69
sp_consang	Yes	27.27	13.86	44	100	100
matedu	No	80.91	74.05	35.81	85.62	68.17
socm	No	83.06	100	76.92	100	36.79
socf	No	87.04	100	75.91	100	44.79
migrant	No	69.23	100	96.22	100	13.83
aetiology	No	94.77	100	100	100	100
folic_g14	No	66.84	84.05	60.66	38.84	75.25
bmi	No	56.04	48.69	53.09	1.38	38.04
matdiab	No	71.38	72.61	83.23	99.82	60.16
hba1c	No	99.92	100	100	100	100
gentest	No	72.01	78.43	91.17	78.3	42.29
sp_gentest	Yes	41.23	4.83	0	96.72	100
firsttri	No	69.73	68.5	86.13	22.14	48.04
presyn	Yes	6.47	5.25	3.73	0.39	1.77
premal1	Yes	13.58	15.99	19.06	0	0.81
premal2	Yes	12.45	18.87	10.48	0.11	1.72
premal3	Yes	12.01	21.55	9.87	0.69	3
premal4	Yes	11.73	21.34	11.57	0.84	3.56
premal5	Yes	11.93	20.88	11.59	0	3.45
premal6	Yes	13.18	24.84	21.62	1.3	4.82
premal7	Yes	15.37	23.91	26.32	2.33	5.56
premal8	Yes	16.19	30	0	0	11.11

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

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Data for years 2017 to 2021

Variable	Conditional	All full members registries	Cork and Kerry (IE)	E Mid & S York (UK)	Emilia Romagna (IT)	French West Indies (FR)
sex	No	4.83	3.46	6.31	2.37	1.92
nbrbaby	No	1.99	0	3.55	0	0
nbrmalf	Yes	4.65	0	0.31	0.78	0
type	No	0.01	0	0	0	0
weight	Yes	4.45	1.5	1.97	0.98	1.02
gestlength	No	7.53	0.36	6.23	1.27	0
death_date	Yes	28.67	0.1	0	36.26	5.56
survival	Yes	6.66	0	1.18	28.01	0.27
whendisc	No	3.99	0.18	2.94	0.09	0
agedisc	Yes	1.33	0.22	1.11	0.34	0
condisc	No	57	0.71	100	0	0
karyo	No	42.94	5.33	57.36	2.46	1.47
pm	Yes	75.99	79.75	95.33	25.99	50.46
datemo	No	22.18	0.09	20.8	2.09	1.01
residmo	No	26.3	1.78	20.8	3.41	0.09
agemo	No	1.56	0.09	0.01	2.35	1.01
pre_still	No	99.89	99.2	100	99.26	100
totpreg	No	48.11	11.37	100	1.54	0.37
occupmo	No	73.31	72.38	95.08	52.95	4.03
assconcept	No	56.38	48.67	87.72	17.66	0.09
illbef1	No	57.78	57.02	98.69	0	0.55
illdur1	No	53.36	58.26	100	0.05	0.46
drugs1	No	86.62	92.36	99.1	82	79.21
omim	No	62.14	94.58	20.8	37.5	99.82
consang	No	53.29	43.61	65.12	19.06	0.82
prevsib	No	75.86	42.72	100	81.63	0.64
sib1	Yes	33.91	3.49	0	0	0
sibanom	No	73.07	42.1	100	81.63	0.55
moanom	No	74.15	49.91	100	11.97	1.1
faanom	No	75.92	53.11	100	11.97	3.21
sp_karyo	Yes	6.89	0	0.44	12.99	0.2
sp_drugs1	Yes	99.53	99.81	100	100	99.07
sp_sibanom	Yes	28.48	10	0	0	13.95
sp_moanom	Yes	28.26	0	0	52.05	5.33
sp_faanom	Yes	31.81	3.23	0	54.84	14.29
sp_syndrome	Yes	0.03	0	0.07	0	0
sp_malfo1	Yes	5.06	0	3.46	0	0
sp_malfo2	Yes	3.55	0	5.5	0	0

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Data for years 2017 to 2021

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	3.53	0	4.51	0	0
sp_malfo4	Yes	3.91	0	4.4	0	0
sp_malfo5	Yes	3.82	0	4.63	0	0
sp_malfo6	Yes	4.58	0	4.39	0	0
sp_malfo7	Yes	5.31	0	3.33	0	0
sp_malfo8	Yes	6.07	0	3.03	0	0
civreg	No	7.52	0	0	0	0.09
firstpre	No	63.19	0.27	100	0.23	1.65
sp_firstpre	Yes	11.37	100	0	33.33	50
surgery	No	53.05	1.6	77.95	87.22	21.25
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	93.07	95.52	36.42	96.06
sp_consang	Yes	27.27	0	30.43	31.76	0
matedu	No	80.91	73.27	100	18.92	5.68
socm	No	83.06	65.81	100	52	16.85
socf	No	87.04	73.89	100	26.24	16.12
migrant	No	69.23	46.89	100	34.9	1.92
aetiology	No	94.77	8.26	100	100	100
folic_g14	No	66.84	74.16	82.34	80.82	2.47
bmi	No	56.04	72.29	71.72	19.01	6.59
matdiab	No	71.38	63.14	96.99	7.39	1.47
hba1c	No	99.92	100	100	100	98.9
gentest	No	72.01	6.22	100	37.57	2.38
sp_gentest	Yes	41.23	4.94	0	56.08	12.34
firsttri	No	69.73	65.99	100	58.91	3.39
presyn	Yes	6.47	0	0.52	0.23	0.29
premal1	Yes	13.58	0.29	4.87	12.61	0.11
premal2	Yes	12.45	0.5	5.45	54.14	0.22
premal3	Yes	12.01	0.39	5.64	68.51	0.41
premal4	Yes	11.73	1.21	7.03	71.43	0
premal5	Yes	11.93	0	5.09	66.67	0
premal6	Yes	13.18	0	4.39	66.67	0
premal7	Yes	15.37	5.77	5	50	0
premal8	Yes	16.19	5.26	6.06	0	0

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Data for years 2017 to 2021

Variable	Conditional	All full members registries	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)	Malta (MT)
sex	No	4.83	3.27	2.66	0.33	0
nbrbaby	No	1.99	0	0	0	0
nbrmalf	Yes	4.65	0	0	0	51.43
type	No	0.01	0	0.08	0	0
weight	Yes	4.45	0.22	4.93	0	0.69
gestlength	No	7.53	0	3.11	0.12	0.83
death_date	Yes	28.67	0.22	96.91	13.28	92.61
survival	Yes	6.66	0	0.3	0	0
whendisc	No	3.99	0	0.53	0.04	0.55
agedisc	Yes	1.33	0	3.45	0.17	1.73
condisc	No	57	0.16	2.35	0.04	0
karyo	No	42.94	0.47	3.95	0.12	3.6
pm	Yes	75.99	68.58	9.57	77.32	0.55
datemo	No	22.18	0.31	1.29	0.12	0
residmo	No	26.3	100	1.37	0	0
agemo	No	1.56	0.31	2.2	0.12	0
pre_still	No	99.89	100	99.32	100	100
totpreg	No	48.11	1.24	3.34	0.08	0.14
occupmo	No	73.31	99.38	97.95	3.04	17.17
assconcept	No	56.38	2.95	94.23	0.16	0.69
illbef1	No	57.78	0.78	86.71	0.16	0.28
illdur1	No	53.36	0.31	87.24	0.21	2.22
drugs1	No	86.62	70.92	86.48	88.21	57.34
omim	No	62.14	100	96.58	99.71	100
consang	No	53.29	55.68	94.61	0.25	0.55
prevsib	No	75.86	0.31	98.71	0.25	0.55
sib1	Yes	33.91	0	35.71	0	0
sibanom	No	73.07	0.31	94.91	0.25	0.28
moanom	No	74.15	1.24	89.9	0.16	0.28
faanom	No	75.92	2.49	93.47	0.25	0.28
sp_karyo	Yes	6.89	1.2	41.16	0	16.92
sp_drugs1	Yes	99.53	100	99.3	99.95	100
sp_sibanom	Yes	28.48	37.5	1.52	1.26	6.67
sp_moanom	Yes	28.26	0	6.84	0.48	8.33
sp_faanom	Yes	31.81	4	8.82	2.48	0
sp_syndrome	Yes	0.03	0	0	0	0
sp_malfo1	Yes	5.06	0	0.09	0	0
sp_malfo2	Yes	3.55	0	0.33	0	0

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Data for years 2017 to 2021

Variable	Conditional	All full members registries	Funen (DK)	Hainaut (BE)	Isle de Reunion (FR)	Malta (MT)
sp_malfo3	Yes	3.53	0	0	0	0
sp_malfo4	Yes	3.91	0	0	0	0
sp_malfo5	Yes	3.82	0	0	0	0
sp_malfo6	Yes	4.58	0	0	0	0
sp_malfo7	Yes	5.31	0	0	0	0
sp_malfo8	Yes	6.07	0	0	0	0
civreg	No	7.52	0.16	0.23	0	0.14
firstpre	No	63.19	0.31	43.74	52.3	2.08
sp_firstpre	Yes	11.37	0	0	0	0
surgery	No	53.05	7	1.37	18.41	2.35
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	95.49	96.2	96.1	95.15
sp_consang	Yes	27.27	50	60	0	0
matedu	No	80.91	100	99.77	6.7	5.4
socm	No	83.06	100	99.39	57.76	100
socf	No	87.04	100	99.7	35.21	100
migrant	No	69.23	0.47	99.54	0.16	0.55
aetiology	No	94.77	100	100	99.71	100
folic_g14	No	66.84	51.48	99.92	0.9	3.19
bmi	No	56.04	2.18	99.85	3.04	31.72
matdiab	No	71.38	0.47	93.47	0.25	0.55
hba1c	No	99.92	100	100	98.36	99.17
gentest	No	72.01	91.76	7.14	0.12	4.02
sp_gentest	Yes	41.23	46.81	38.18	11.93	41.1
firsttri	No	69.73	0.93	99.16	0.29	0.83
presyn	Yes	6.47	0	1.95	0.58	3.12
premal1	Yes	13.58	0.72	0.83	0	1.41
premal2	Yes	12.45	0.62	2.96	0.16	2.45
premal3	Yes	12.01	1.49	1.9	0.34	3.85
premal4	Yes	11.73	0	6.67	0	5.71
premal5	Yes	11.93	0	0	0	0
premal6	Yes	13.18	0	0	0	0
premal7	Yes	15.37	0	0	0	0
premal8	Yes	16.19	0	0	0	0

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Data for years 2017 to 2021

Variable	Conditional	All full members registries	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)	Navarra (ES)
sex	No	4.83	3.27	5.34	0.19	2.18
nbrbaby	No	1.99	0.03	1.07	0	0
nbrmalf	Yes	4.65	0	3.68	3.06	0
type	No	0.01	0	0	0	0
weight	Yes	4.45	3.37	10.89	9.82	1.76
gestlength	No	7.53	2.81	19.82	5.18	0.18
death_date	Yes	28.67	97.65	0	0	96.41
survival	Yes	6.66	0.04	4.87	0	0
whendisc	No	3.99	0.98	2.4	1.29	0.18
agedisc	Yes	1.33	0.66	2.47	0.56	0.26
condisc	No	57	0.21	100	3.4	1.27
karyo	No	42.94	31.07	70.16	0.72	0.55
pm	Yes	75.99	77.93	91.65	2.08	15.82
datemo	No	22.18	3.43	20.09	7.49	0.18
residmo	No	26.3	0	20.09	41.21	27.64
agemo	No	1.56	2.01	0	7.49	0.36
pre_still	No	99.89	100	100	100	100
totpreg	No	48.11	7.74	100	43.97	0.55
occupmo	No	73.31	39.58	96.87	54.71	99.64
assconcept	No	56.38	8.28	69.6	57.69	0.91
illbef1	No	57.78	0.1	98.91	0	3.27
illdur1	No	53.36	0.21	100	0.15	2.18
drugs1	No	86.62	81.15	98.84	61.51	99.82
omim	No	62.14	100	20.09	87.3	89.45
consang	No	53.29	6.63	59.19	99.77	1.27
prevsib	No	75.86	54.36	100	65.6	3.82
sib1	Yes	33.91	0	0	22.73	3.57
sibanom	No	73.07	5.47	100	55.12	1.09
moanom	No	74.15	6.52	100	49.34	1.27
faanom	No	75.92	8.54	100	51.27	2.18
sp_karyo	Yes	6.89	0.15	0.53	0	0
sp_drugs1	Yes	99.53	100	100	99.94	100
sp_sibanom	Yes	28.48	0	0	100	61.11
sp_moanom	Yes	28.26	0.87	0	100	2.78
sp_faanom	Yes	31.81	0	0	100	0
sp_syndrome	Yes	0.03	0	0	0	0
sp_malfo1	Yes	5.06	0	0	0	0
sp_malfo2	Yes	3.55	0	0.16	0	0

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Data for years 2017 to 2021

Variable	Conditional	All full members registries	Metropolitan Area Milan (IT)	N England (UK)	N Netherlands (NL)	Navarra (ES)
sp_malfo3	Yes	3.53	0	0.17	0	0
sp_malfo4	Yes	3.91	0	0	0	0
sp_malfo5	Yes	3.82	0	0	0	0
sp_malfo6	Yes	4.58	0	0	0	0
sp_malfo7	Yes	5.31	0	0	0	0
sp_malfo8	Yes	6.07	0	0	0	0
civreg	No	7.52	0.03	0	0	0
firstpre	No	63.19	49.69	100	30.85	2.55
sp_firstpre	Yes	11.37	0	0	0	0
surgery	No	53.05	28.16	61.21	26.73	1.64
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	95.93	95.83	96.14	95.09
sp_consang	Yes	27.27	0	29.27	75	100
matedu	No	80.91	60.99	100	50.09	100
socm	No	83.06	56.34	100	100	99.82
socf	No	87.04	77.85	100	100	100
migrant	No	69.23	4.23	100	100	6.91
aetiology	No	94.77	100	100	100	100
folic_g14	No	66.84	48.12	64.7	46.62	24.55
bmi	No	56.04	25.68	54.42	46.65	2.91
matdiab	No	71.38	5.54	95.88	47.75	1.64
hba1c	No	99.92	99.69	100	100	98.36
gentest	No	72.01	51.57	100	0	1.27
sp_gentest	Yes	41.23	0.43	0	100	10.39
firsttri	No	69.73	10.26	100	41.59	100
presyn	Yes	6.47	15.56	0.44	0.42	0.42
premal1	Yes	13.58	55.05	3.41	0.72	0
premal2	Yes	12.45	42.14	1.48	0.55	0
premal3	Yes	12.01	31.47	0.84	0.51	0.74
premal4	Yes	11.73	23.9	1.04	0.22	0
premal5	Yes	11.93	22.38	2.03	0	0
premal6	Yes	13.18	23.53	3.61	0	0
premal7	Yes	15.37	20.27	0	0	0
premal8	Yes	16.19	23.26	0	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 2017 to 2021

Variable	Conditional	All full members registries	North West England (UK)	Norway (NO)	Paris (FR)	Pleven (BG)
sex	No	4.83	6.04	5.69	0.67	7.14
nbrbaby	No	1.99	0.73	0	0	0
nbrmalf	Yes	4.65	7.29	0	2.65	0
type	No	0.01	0	0.04	0	0
weight	Yes	4.45	2.38	0.07	0.08	3.03
gestlength	No	7.53	17.97	0.14	0.05	6.39
death_date	Yes	28.67	0	0.05	0.08	93.65
survival	Yes	6.66	0.47	0	0.08	0
whendisc	No	3.99	3.19	0	0.44	0.38
agedisc	Yes	1.33	3.26	0	0	1.04
condisc	No	57	100	100	100	71.8
karyo	No	42.94	57.56	100	0.7	90.98
pm	Yes	75.99	95.64	100	100	97.37
datemo	No	22.18	0	100	0	95.11
residmo	No	26.3	0	100	0	100
agemo	No	1.56	0	0	0	7.52
pre_still	No	99.89	100	100	100	100
totpreg	No	48.11	100	0	0.34	100
occupmo	No	73.31	100	29.32	100	100
assconcept	No	56.38	92.14	100	0.72	98.5
illbef1	No	57.78	98.91	99.16	0	100
illdur1	No	53.36	100	94.93	0	100
drugs1	No	86.62	100	71.34	85.4	100
omim	No	62.14	0	100	98.92	98.12
consang	No	53.29	71.95	12	1.39	100
prevsib	No	75.86	100	100	78.92	99.62
sib1	Yes	33.91	0	0	98.29	0
sibanom	No	73.07	100	100	100	99.25
moanom	No	74.15	100	100	100	100
faanom	No	75.92	100	100	100	100
sp_karyo	Yes	6.89	0.65	0	53.4	0
sp_drugs1	Yes	99.53	0	100	100	99.62
sp_sibanom	Yes	28.48	0	0	0	50
sp_moanom	Yes	28.26	0	0	0	0
sp_faanom	Yes	31.81	0	0	0	0
sp_syndrome	Yes	0.03	0	0	0	0
sp_malfo1	Yes	5.06	0.04	100	0.06	0
sp_malfo2	Yes	3.55	0.08	100	0.39	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	North West England (UK)	Norway (NO)	Paris (FR)	Pleven (BG)
sp_malfo3	Yes	3.53	0.09	100	0.38	0
sp_malfo4	Yes	3.91	0	100	0	0
sp_malfo5	Yes	3.82	0	100	0	0
sp_malfo6	Yes	4.58	0	100	1.54	0
sp_malfo7	Yes	5.31	0	100	0	0
sp_malfo8	Yes	6.07	0	100	0	0
civreg	No	7.52	0	100	0	0
firstpre	No	63.19	100	100	39.65	65.04
sp_firstpre	Yes	11.37	0	0	0	0
surgery	No	53.05	70.89	100	47.88	32.33
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	96.06	95.89	100	99.25
sp_consang	Yes	27.27	0	100	100	0
matedu	No	80.91	100	100	100	100
socm	No	83.06	100	100	6.89	100
socf	No	87.04	100	100	100	100
migrant	No	69.23	100	100	100	100
aetiology	No	94.77	100	100	100	100
folic_g14	No	66.84	84.16	21.09	100	100
bmi	No	56.04	73.59	100	29.36	100
matdiab	No	71.38	100	100	100	99.25
hba1c	No	99.92	100	100	100	99.62
gentest	No	72.01	100	100	100	97.74
sp_gentest	Yes	41.23	0	0	0	60
firsttri	No	69.73	100	100	10.14	100
presyn	Yes	6.47	0.22	100	0.09	79.32
premal1	Yes	13.58	4	100	0.48	81.33
premal2	Yes	12.45	2.71	100	0.1	85.71
premal3	Yes	12.01	2.61	100	0.19	91.67
premal4	Yes	11.73	2.08	100	0.34	85.71
premal5	Yes	11.93	3.39	100	0.54	100
premal6	Yes	13.18	1.23	100	0	100
premal7	Yes	15.37	4.95	100	0	0
premal8	Yes	16.19	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 2017 to 2021

Variable	Conditional	All full members registries	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)	South West England (UK)
sex	No	4.83	2.04	2.71	0	6.57
nbrbaby	No	1.99	0	0.08	0	1.28
nbrmalf	Yes	4.65	0	0	100	7.02
type	No	0.01	0	0	0	0
weight	Yes	4.45	3.65	1.91	0	7.88
gestlength	No	7.53	7.47	1.07	0	14.96
death_date	Yes	28.67	98.13	0.09	100	0
survival	Yes	6.66	1.09	0.09	0	0.31
whendisc	No	3.99	0.23	0.27	100	2.4
agedisc	Yes	1.33	11.01	0.73	0	1.74
condisc	No	57	0	1.34	100	100
karyo	No	42.94	1.02	77.56	100	56.57
pm	Yes	75.99	76.67	11.09	100	93.02
datemo	No	22.18	1.93	0.84	100	19.87
residmo	No	26.3	6.8	0	100	19.87
agemo	No	1.56	1.81	0.84	0.32	0.03
pre_still	No	99.89	100	100	100	100
totpreg	No	48.11	8.04	0	100	100
occupmo	No	73.31	30.12	100	100	95.12
assconcept	No	56.38	0.79	97.52	100	70.14
illbef1	No	57.78	24.58	0	100	98.61
illdur1	No	53.36	0.34	0	100	100
drugs1	No	86.62	94.34	79.74	100	98.19
omim	No	62.14	99.89	100	100	19.87
consang	No	53.29	12.34	84.67	100	64.04
prevsib	No	75.86	98.98	98.81	100	100
sib1	Yes	33.91	0	0	0	0
sibanom	No	73.07	77.46	93.08	100	100
moanom	No	74.15	76.44	89.37	100	100
faanom	No	75.92	78.03	96.14	100	100
sp_karyo	Yes	6.89	1.87	0	0	0.8
sp_drugs1	Yes	99.53	100	100	100	100
sp_sibanom	Yes	28.48	81.82	0	0	0
sp_moanom	Yes	28.26	0	0	0	0
sp_faanom	Yes	31.81	6.67	0	0	0
sp_syndrome	Yes	0.03	17.65	0	0	0
sp_malfo1	Yes	5.06	0.57	0	0	0.09
sp_malfo2	Yes	3.55	0.71	0	0	0.14

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	S Portugal (PT)	Saxony Anhalt (DE)	SE Ireland (IE)	South West England (UK)
sp_malfo3	Yes	3.53	0	0	0	0.1
sp_malfo4	Yes	3.91	2.08	0	0	0
sp_malfo5	Yes	3.82	0	0	0	0
sp_malfo6	Yes	4.58	0	0	0	0
sp_malfo7	Yes	5.31	0	0	0	0
sp_malfo8	Yes	6.07	0	0	0	0
civreg	No	7.52	0.79	0.04	0	0
firstpre	No	63.19	1.47	0.04	100	100
sp_firstpre	Yes	11.37	0	0	0	0
surgery	No	53.05	59.91	16.55	100	71.14
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	97.51	94.88	100	95.66
sp_consang	Yes	27.27	24	0	0	22.73
matedu	No	80.91	85.96	100	100	100
socm	No	83.06	100	100	100	100
socf	No	87.04	100	100	100	100
migrant	No	69.23	83.35	0	100	100
aetiology	No	94.77	100	100	100	100
folic_g14	No	66.84	27.29	57.61	100	75.98
bmi	No	56.04	100	70.72	100	48.42
matdiab	No	71.38	3.74	90.67	100	96.09
hba1c	No	99.92	100	100	100	100
gentest	No	72.01	91.39	77.56	100	100
sp_gentest	Yes	41.23	0	100	0	0
firsttri	No	69.73	37.49	57.61	100	100
presyn	Yes	6.47	23.53	13.28	100	1.6
premal1	Yes	13.58	13.54	34.88	100	3.64
premal2	Yes	12.45	18.21	49.29	100	4.13
premal3	Yes	12.01	17.32	54.32	100	4
premal4	Yes	11.73	10.42	61.59	100	3.75
premal5	Yes	11.93	21.05	72.47	100	3.69
premal6	Yes	13.18	12.5	78.5	0	4.86
premal7	Yes	15.37	20	81.08	0	5.17
premal8	Yes	16.19	0	80.43	0	4.17

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Styria (AT)	Thames Valley (UK)	Trento (IT)	Tuscany (IT)
sex	No	4.83	3.88	8.01	3.83	6.53
nbrbaby	No	1.99	0.62	4.93	0	0
nbrmalf	Yes	4.65	0	9.93	100	0
type	No	0.01	0.09	0	0	0
weight	Yes	4.45	7.34	6.82	0.43	3.77
gestlength	No	7.53	5.99	22.69	0	1.45
death_date	Yes	28.67	96.69	0	100	98.54
survival	Yes	6.66	0.11	1.8	0	1.58
whendisc	No	3.99	1.32	7.09	0	2.56
agedisc	Yes	1.33	5.74	1.45	0	1.32
condisc	No	57	78.5	100	100	2.14
karyo	No	42.94	67.4	62.06	100	47.4
pm	Yes	75.99	90.48	95.63	100	16.5
datemo	No	22.18	0.62	18.74	100	15.21
residmo	No	26.3	94.71	18.74	100	0.03
agemo	No	1.56	0.09	0	0.15	5.46
pre_still	No	99.89	100	100	100	100
totpreg	No	48.11	94.89	100	100	6.47
occupmo	No	73.31	100	95.39	100	53.54
assconcept	No	56.38	99.91	86.53	100	29
illbef1	No	57.78	100	98.74	100	51.55
illdur1	No	53.36	100	100	100	47.61
drugs1	No	86.62	100	99.18	100	85.67
omim	No	62.14	99.91	18.74	100	100
consang	No	53.29	99.91	64.32	100	48.45
prevsib	No	75.86	98.59	100	100	92.02
sib1	Yes	33.91	28.57	0	0	0
sibanom	No	73.07	99.65	100	100	60.76
moanom	No	74.15	100	100	100	56.4
faanom	No	75.92	100	100	100	58.3
sp_karyo	Yes	6.89	12.05	0.87	0	9.65
sp_drugs1	Yes	99.53	100	100	100	99.75
sp_sibanom	Yes	28.48	100	0	0	55.97
sp_moanom	Yes	28.26	0	0	0	35.37
sp_faanom	Yes	31.81	0	0	0	44.93
sp_syndrome	Yes	0.03	0.82	0	0	0
sp_malfo1	Yes	5.06	1.03	0.3	0.16	0.03
sp_malfo2	Yes	3.55	2.14	0.54	0	0

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Styria (AT)	Thames Valley (UK)	Trento (IT)	Tuscany (IT)
sp_malfo3	Yes	3.53	6.57	0	0	0.49
sp_malfo4	Yes	3.91	6.98	0	0	0
sp_malfo5	Yes	3.82	13.64	0	0	0
sp_malfo6	Yes	4.58	20	1.28	0	0
sp_malfo7	Yes	5.31	25	0	0	0
sp_malfo8	Yes	6.07	33.33	0	0	0
civreg	No	7.52	3.35	0	0	0.03
firstpre	No	63.19	53.04	100	100	58.96
sp_firstpre	Yes	11.37	100	0	0	12.68
surgery	No	53.05	5.37	79.42	30.67	44.56
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	96.74	95.81	100	96.3
sp_consang	Yes	27.27	100	18.45	0	16.67
matedu	No	80.91	100	100	100	59.59
socm	No	83.06	100	100	100	99.85
socf	No	87.04	100	100	100	99.97
migrant	No	69.23	100	100	100	66.88
aetiology	No	94.77	100	100	100	100
folic_g14	No	66.84	100	75.34	100	71.24
bmi	No	56.04	100	52.15	34.36	81.99
matdiab	No	71.38	100	97.65	100	48.51
hba1c	No	99.92	100	100	100	100
gentest	No	72.01	80.09	100	100	70.88
sp_gentest	Yes	41.23	20.13	0	0	48.21
firsttri	No	69.73	100	100	100	54.68
presyn	Yes	6.47	18.44	2.11	100	1.61
premal1	Yes	13.58	10.47	10	100	3.7
premal2	Yes	12.45	10.96	8.59	100	6.66
premal3	Yes	12.01	14.6	10.2	100	9.85
premal4	Yes	11.73	11.63	8.68	100	9.09
premal5	Yes	11.93	13.64	11.59	0	15
premal6	Yes	13.18	10	12.82	0	6.67
premal7	Yes	15.37	0	12.5	0	0
premal8	Yes	16.19	0	6.9	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 2017 to 2021

Variable	Conditional	All full members registries	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)	Wales (UK)
sex	No	4.83	3.34	24.96	1.63	5.62
nbrbaby	No	1.99	0	0.35	0	0
nbrmalf	Yes	4.65	0	0	0	0
type	No	0.01	0	0	0	0
weight	Yes	4.45	0.88	0.08	1.26	3.91
gestlength	No	7.53	0.32	0.04	0.27	0.97
death_date	Yes	28.67	3.41	0	70.7	95.45
survival	Yes	6.66	0.71	0	0	0.11
whendisc	No	3.99	0.25	0	0.27	0.04
agedisc	Yes	1.33	0.18	0.08	0	0.04
condisc	No	57	1.43	0.22	1.02	0
karyo	No	42.94	0.45	64.24	0.61	11.67
pm	Yes	75.99	82.96	95.93	67.46	18.44
datemo	No	22.18	0.45	0.1	0.47	78.42
residmo	No	26.3	0.19	0	0.2	100
agemo	No	1.56	0.41	0.1	0.75	0.22
pre_still	No	99.89	99.68	99.16	99.66	100
totpreg	No	48.11	0.79	9.49	2.51	29.41
occupmo	No	73.31	2.35	53.22	25.76	78.86
assconcept	No	56.38	4.58	47.6	2.51	47.27
illbef1	No	57.78	0.41	0.04	46.31	0
illdur1	No	53.36	0.45	0.02	1.08	0
drugs1	No	86.62	86.45	46.58	81.97	77.93
omim	No	62.14	98.89	99.74	98.03	95.82
consang	No	53.29	22.26	81.17	2.58	76.5
prevsib	No	75.86	1.34	94.76	2.31	30.27
sib1	Yes	33.91	0.81	0	4.55	0
sibanom	No	73.07	2.73	56.6	6.51	30.55
moanom	No	74.15	24.64	63.12	5.36	76.81
faanom	No	75.92	26.61	74.14	6.51	82.2
sp_karyo	Yes	6.89	0.26	0	1.35	6.02
sp_drugs1	Yes	99.53	99.89	100	100	99.55
sp_sibanom	Yes	28.48	1.97	0	7.78	0.29
sp_moanom	Yes	28.26	9.57	0	2.72	0
sp_faanom	Yes	31.81	8.62	0	2.2	0
sp_syndrome	Yes	0.03	0	0	0	0
sp_malfo1	Yes	5.06	0	0	0	0
sp_malfo2	Yes	3.55	0	0	0	0.05

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Ukraine (UA)	Valencian Region (ES)	Vaud (CH)	Wales (UK)
sp_malfo3	Yes	3.53	0	0	0	0
sp_malfo4	Yes	3.91	0	0	0	0
sp_malfo5	Yes	3.82	0	0	0	0
sp_malfo6	Yes	4.58	0	0	0	0
sp_malfo7	Yes	5.31	0	0	0	0
sp_malfo8	Yes	6.07	0	0	0	0
civreg	No	7.52	0.06	0	0	0.02
firstpre	No	63.19	1.84	69.76	1.36	0.84
sp_firstpre	Yes	11.37	0	0	11.11	10
surgery	No	53.05	57.71	11.9	1.36	14.42
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	97.04	93.83	95.59	95.64
sp_consang	Yes	27.27	100	0	40	0
matedu	No	80.91	1.24	60.62	45.36	99.56
socm	No	83.06	3.02	75.45	42.17	99.96
socf	No	87.04	13.93	86.37	65.02	99.58
migrant	No	69.23	0.76	4.91	7.53	12.27
aetiology	No	94.77	100	0.02	100	100
folic_g14	No	66.84	25.47	55.5	33.83	76.96
bmi	No	56.04	58.35	81.42	28.34	31.46
matdiab	No	71.38	2.99	34.19	8.95	44.66
hba1c	No	99.92	100	99.74	100	100
gentest	No	72.01	0.48	71.64	3.12	18.66
sp_gentest	Yes	41.23	10	0.1	42.86	0
firsttri	No	69.73	14.28	44.34	20.47	65.89
presyn	Yes	6.47	0.26	0.46	0.86	0.42
premal1	Yes	13.58	0.33	0.49	0.59	0.02
premal2	Yes	12.45	0.46	0.86	0.4	0.2
premal3	Yes	12.01	0.94	1.79	0.84	0.41
premal4	Yes	11.73	0.86	1.72	2.75	0.77
premal5	Yes	11.93	0	1.52	3.33	0.65
premal6	Yes	13.18	1.39	1.79	2.94	0
premal7	Yes	15.37	0	2.31	0	1.96
premal8	Yes	16.19	0	7.02	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 2017 to 2021

Variable	Conditional	All full members registries	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)	Yorkshire and Humber (UK)
sex	No	4.83	9.72	3.49	0.16	3.66
nbrbaby	No	1.99	4.64	0.97	23.9	1
nbrmalf	Yes	4.65	11.67	0.53	26.67	5.19
type	No	0.01	0	0	0	0
weight	Yes	4.45	6.76	1.7	23.96	9.52
gestlength	No	7.53	16.98	3.06	24.33	23.26
death_date	Yes	28.67	0	0	97.82	0
survival	Yes	6.66	2.42	0.46	97.34	1.3
whendisc	No	3.99	5.05	3.21	44.78	3.05
agedisc	Yes	1.33	2.26	0.4	4.44	2.78
condisc	No	57	100	100	100	100
karyo	No	42.94	53.73	50.16	54.54	60.83
pm	Yes	75.99	91.97	85.39	100	95.02
datemo	No	22.18	19	18.33	18.86	17.48
residmo	No	26.3	19	18.33	5.27	17.48
agemo	No	1.56	0.19	0	18.91	0
pre_still	No	99.89	100	100	100	100
totpreg	No	48.11	100	100	25.9	100
occupmo	No	73.31	95.14	94.51	100	96.1
assconcept	No	56.38	81.98	83.09	66.84	89.66
illbef1	No	57.78	98.83	97.94	100	98.65
illdur1	No	53.36	100	100	0.79	100
drugs1	No	86.62	99.32	99.25	70.54	99.24
omim	No	62.14	19	18.33	99.89	17.48
consang	No	53.29	65.55	47.41	38.06	66.73
prevsib	No	75.86	100	100	100	100
sib1	Yes	33.91	0	0	0	0
sibanom	No	73.07	100	100	100	100
moanom	No	74.15	100	100	100	100
faanom	No	75.92	100	100	100	100
sp_karyo	Yes	6.89	1.14	0.4	82.13	0.91
sp_drugs1	Yes	99.53	100	100	99.96	100
sp_sibanom	Yes	28.48	0	0	0	0
sp_moanom	Yes	28.26	0	0	0	0
sp_faanom	Yes	31.81	0	0	0	0
sp_syndrome	Yes	0.03	0	0	0	0
sp_malfo1	Yes	5.06	0.88	0.56	0.24	0
sp_malfo2	Yes	3.55	1.47	0.51	0.44	0.23

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Wessex (UK)	West Midlands (UK)	Wielkopolska (PL)	Yorkshire and Humber (UK)
sp_malfo3	Yes	3.53	1.55	0.9	0.52	0.12
sp_malfo4	Yes	3.91	2.88	0.76	0	0
sp_malfo5	Yes	3.82	2.73	0.76	0	0
sp_malfo6	Yes	4.58	1.6	2.04	0	0
sp_malfo7	Yes	5.31	1.39	0.64	0	0
sp_malfo8	Yes	6.07	4.55	1.02	0	0
civreg	No	7.52	0	0	0	0
firstpre	No	63.19	100	100	100	100
sp_firstpre	Yes	11.37	0	0	0	0
surgery	No	53.05	78.35	79.14	100	69.34
folic	No	NaN	0	0	0	0
sp_twin	Yes	94.03	94.4	95.13	100	95.91
sp_consang	Yes	27.27	16.13	17.74	0	22.04
matedu	No	80.91	100	100	100	100
socm	No	83.06	100	100	100	100
socf	No	87.04	100	100	100	100
migrant	No	69.23	100	100	100	100
aetiology	No	94.77	100	100	100	100
folic_g14	No	66.84	77.45	79.06	66.14	83.26
bmi	No	56.04	46.74	57.24	99.95	72.17
matdiab	No	71.38	96.42	96.73	100	97.69
hba1c	No	99.92	100	100	100	100
gentest	No	72.01	100	100	72.67	100
sp_gentest	Yes	41.23	0	0	0	0
firsttri	No	69.73	100	100	63.64	100
presyn	Yes	6.47	2.2	0.42	51.9	1.39
premal1	Yes	13.58	7.52	4.76	47.06	4.13
premal2	Yes	12.45	7.92	2.81	48.22	2.86
premal3	Yes	12.01	10.31	2.21	51.97	2.63
premal4	Yes	11.73	5.45	0.76	53.7	2.74
premal5	Yes	11.93	5.46	2.27	57.95	4.63
premal6	Yes	13.18	5.6	1.22	73.17	4.31
premal7	Yes	15.37	6.94	1.92	78.57	0
premal8	Yes	16.19	2.27	1.02	85	0

- indicates no cases able to be missing

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Zagreb (HR)
sex	No	4.83	0
nbrbaby	No	1.99	0
nbrmalf	Yes	4.65	0
type	No	0.01	0.2
weight	Yes	4.45	0
gestlength	No	7.53	0
death_date	Yes	28.67	75.22
survival	Yes	6.66	0
whendisc	No	3.99	0
agedisc	Yes	1.33	0
condisc	No	57	1.77
karyo	No	42.94	0.59
pm	Yes	75.99	88.21
datemo	No	22.18	0.79
residmo	No	26.3	2.16
agemo	No	1.56	0.79
pre_still	No	99.89	99.61
totpreg	No	48.11	0.59
occupmo	No	73.31	25.54
assconcept	No	56.38	0.39
illbef1	No	57.78	21.41
illdur1	No	53.36	17.88
drugs1	No	86.62	76.42
omim	No	62.14	91.94
consang	No	53.29	0.2
prevsib	No	75.86	4.32
sib1	Yes	33.91	0
sibanom	No	73.07	0
moanom	No	74.15	0.2
faanom	No	75.92	0.79
sp_karyo	Yes	6.89	3.53
sp_drugs1	Yes	99.53	99.74
sp_sibanom	Yes	28.48	33.33
sp_moanom	Yes	28.26	7.32
sp_faanom	Yes	31.81	17.39
sp_syndrome	Yes	0.03	0
sp_malfo1	Yes	5.06	0
sp_malfo2	Yes	3.55	1.09

Missing values frequency tables (July 2025)

% Missing + Unknown + Invalid by variable by centre

Data for years 2017 to 2021

Variable	Conditional	All full members registries	Zagreb (HR)
sp_malfo3	Yes	3.53	0
sp_malfo4	Yes	3.91	0
sp_malfo5	Yes	3.82	0
sp_malfo6	Yes	4.58	0
sp_malfo7	Yes	5.31	0
sp_malfo8	Yes	6.07	0
civreg	No	7.52	0
firstpre	No	63.19	0.2
sp_firstpre	Yes	11.37	0
surgery	No	53.05	6.48
folic	No	NaN	0
sp_twin	Yes	94.03	97.64
sp_consang	Yes	27.27	100
matedu	No	80.91	4.13
socm	No	83.06	3.93
socf	No	87.04	11.98
migrant	No	69.23	1.96
aetiology	No	94.77	77.41
folic_g14	No	66.84	3.54
bmi	No	56.04	9.04
matdiab	No	71.38	3.54
hba1c	No	99.92	100
gentest	No	72.01	2.55
sp_gentest	Yes	41.23	25
firsttri	No	69.73	2.75
presyn	Yes	6.47	0
premal1	Yes	13.58	0.62
premal2	Yes	12.45	0
premal3	Yes	12.01	0
premal4	Yes	11.73	0
premal5	Yes	11.93	0
premal6	Yes	13.18	0
premal7	Yes	15.37	0
premal8	Yes	16.19	0

- indicates no cases able to be missing