

DQI (birth years 2007-2011)

	EUROCAT average	Styria (Austria)	Antwerp (Belgium)	Hainaut (Belgium)	Zagreb (Croatia)	Odense (Denmark)	French West Indies (France)	Isle de la Reunion (France)
ASCERTAINMENT								
Total no. of cases		812	2449	1477	777	778	652	2133
Total congenital anomaly prevalence [95% confidence interval]. >200 per 10,000 births expected	260.5 [258.9 - 262]	264.3 [246.4 - 283.1]	234.6 [225.4 - 244.1]	228.9 [217.3 - 240.8]	195.3 [181.8 - 209.5]	300.0 [279.3 - 321.8]	201.4 [186.2 - 217.4]	291.2 [279 - 303.9]
Anencephaly prevalence	3.6	2.3	2.8	3.9	2.5	3.9	3.4	8.7
Severe cardiac defects prevalence	21.3	28.6	18.7	18.9	12.6	21.2	22.9	22.4
Prevalence of selected CAs often diagnosed after the neonatal period	11.2	14.3	14.7	9	5.5	11.2	10.5	11.9
Genetic syndromes and microdeletions prevalence	5	4.6	8.3	6.7	2.3	11.2	7.1	8.7
Prevalence malformed fetal deaths	4.7	6.2	4.4	3.7	0.8	5.4	6.8	7.9
Down syndrome: Observed/Expected ratio by maternal age	1	1.20	0.85	-	0.71	1.22	-	-
ACCURACY OF DIAGNOSIS								
% Potential multiple anomalies	9.8	18.5	13.3	13	8.4	8.1	10.7	10.1
% fetal deaths with postmortem carried out	40.5	73.7	19.6	70.8	100	50	9.1	36.2
% TOPFA (GA >=15 weeks) with postmortem carried out	28.7	57.5	15.5	48.7	63.9	60.4	11.8	23.1
% Chromosomal cases (except T13, T18 & T21) with karyotype text	66.5	96.6	59.4	83.9	84.6	96	100	97.2
% Potential multiple anomalies with known karyotype	19.7	16.7	31.4	60.9	12.3	60.3	68.6	50.5
Prevalence selected 4-digit Q-BPA codes	17.4	25.4	12.3	0	13.1	28.1	9	24
Prevalence selected unspecified Q-codes	14.6	3.9	16.1	2.9	1.8	0	0.9	3.4
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	20	98.2	25.1	0.4	53.4	96.9	92.6	53.6
COMPLETENESS OF INFORMATION								
No. of core variables 90% complete (out of selected 11)		11	9	10	11	11	11	11
No. of non-core variables 80% complete (out of selected 26)		9	5	6	16	18	15	15
% TOPFA with civil registration known	76.2	99.2	0	100	52.9	100	100	95.7
% LB with one week survival known	89.7	99.7	95	98.7	96.7	100	99.8	99.8
Medication exposure recorded using 7-digit ATC codes			Yes	Yes from 2011	Yes	Yes	Yes from 09	Yes from 07
% ATC codes with 7 digits and in correct format	82.4	-	88.9	82.2	89.8	96.1	93.8	39.7
% Genetic syndromes + microdeletions with syndrome text complete	75.2	78.6	80.5	95.3	66.7	100	95.7	96.9
% Malformation 1 text complete	65.8	100	100	99.7	99.4	100	100	99.9
Number of unresolved data edits (excluding free text fields)	1.5	0	0	0	0	1	0	0
TIMELINESS								
Timeliness for February deadline	total=22		Yes	Yes	Yes	Yes	Yes	Yes
DENOMINATORS								
Years with 80% maternal age denominators	25 with 5 years	3	5	0	5	5	0	0
Years with monthly denominators	14 with 5 years	3	5	5	5	0	0	0

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	EUROCAT average	Paris (France)	Mainz (Germany)	Saxony-Anhalt (Germany)	Hungary	Cork and Kerry (Ireland)	Dublin (Ireland)	SE Ireland (Ireland)
ASCERTAINMENT								
Total no. of cases		4360	727	2649	16950	1379	2133	645
Total congenital anomaly prevalence [95% confidence interval]. >200 per 10,000 births expected	260.5 [258.9 - 262]	325.7 [316.1 - 335.5]	451.7 [419.5 - 485.8]	305.5 [294 - 317.3]	357.7 [352.3 - 363.1]	265.8 [251.9 - 280.2]	157.8 [151.1 - 164.6]	165.1 [152.6 - 178.3]
Anencephaly prevalence	3.6	5.1	4.3	2	1.8	4.2	2.3	3.1
Severe cardiac defects prevalence	21.3	26.5	26.1	23.4	20.6	26.6	21.7	22.3
Prevalence of selected CAs often diagnosed after the neonatal period	11.2	14.1	8.1	14	9.8	15	10.9	10.2
Genetic syndromes and microdeletions prevalence	5	5.6	16.2	3.1	2.8	7.3	4.2	5.6
Prevalence malformed fetal deaths	4.7	3.6	8.7	7.4	0.8	9.6	12.9	6.9
Down syndrome: Observed/Expected ratio by maternal age	1	1.51	1.44	0.95	0.95	1.19	0.93	1.04
ACCURACY OF DIAGNOSIS								
% Potential multiple anomalies	9.8	10	5.8	13.9	7.9	12	9.7	8.4
% fetal deaths with postmortem carried out	40.5	0	21.4	84.4	0	18	52	11.1
% TOPFA (GA >=15 weeks) with postmortem carried out	28.7	0	18.4	71.8	0	illegal	illegal	illegal
% Chromosomal cases (except T13, T18 & T21) with karyotype text	66.5	0	70.6	94.3	0	95.6	94.6	68.8
% Potential multiple anomalies with known karyotype	19.7	0	31	17.9	0	28.9	44.2	24.1
Prevalence selected 4-digit Q-BPA codes	17.4	6.5	5.6	57.9	42.9	19.7	4.4	6.4
Prevalence selected unspecified Q-codes	14.6	13.1	2.5	7.6	38.6	1.5	3.1	10.2
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	20	0	0	0	0	96.5	74.6	84
COMPLETENESS OF INFORMATION								
No. of core variables 90% complete (out of selected 11)		11	11	10	6	11	10	10
No. of non-core variables 80% complete (out of selected 26)		4	9	8	0	8	6	12
% TOPFA with civil registration known	76.2	100	100	100	0	illegal	illegal	illegal
% LB with one week survival known	89.7	99.8	100	100	86.4	100	100	100
Medication exposure recorded using 7-digit ATC codes		Yes	Yes	Yes		Yes	Yes from 07	Yes from 08
% ATC codes with 7 digits and in correct format	82.4	90.3	6	82.3	-	84.4	11.5	67.6
% Genetic syndromes + microdeletions with syndrome text complete	75.2	89.3	80.8	88.9	0	100	100	86.4
% Malformation 1 text complete	65.8	0.3	3.5	100	0	100	100	100
Number of unresolved data edits (excluding free text fields)	1.5	0	1	0	0	1	0	1
TIMELINESS								
Timeliness for February deadline	total=22	Yes		Yes		Yes	Yes	Yes
DENOMINATORS								
Years with 80% maternal age denominators	25 with 5 years	5	5	5	5	5	5	5
Years with monthly denominators	14 with 5 years	5	3	5	1	5	4	1

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	EUROCAT average	Emilia Romagna (Italy)	Tuscany (Italy)	Malta	N Netherlands (NL)	Norway	Wielkopolska (Poland)
ASCERTAINMENT							
Total no. of cases		4595	3180	509	2448	8615	3891
Total congenital anomaly prevalence [95% confidence interval]. >200 per 10,000 births expected	260.5 [258.9 - 262]	220.4 [214.1 - 226.9]	206.9 [199.8 - 214.2]	246.5 [225.5 - 268.8]	276.6 [265.7 - 287.8]	279.3 [273.4 - 285.2]	240.8 [233.3 - 248.5]
Anencephaly prevalence	3.6	2.1	1.5	2.9	3.8	3.2	0.5
Severe cardiac defects prevalence	21.3	19.2	16.2	30.5	24.9	21.9	13.3
Prevalence of selected CAs often diagnosed after the neonatal period	11.2	12.7	8.1	15.5	12.3	8.1	6.3
Genetic syndromes and microdeletions prevalence	5	4.5	2.3	5.3	11.9	3.1	2.4
Prevalence malformed fetal deaths	4.7	1.1	2.1	11.6	5	3.6	1.9
Down syndrome: Observed/Expected ratio by maternal age	1	0.69	0.71	1.05	0.85	0.92	1.01
ACCURACY OF DIAGNOSIS							
% Potential multiple anomalies	9.8	8.3	8.5	12.4	11.6	9.3	9.6
% fetal deaths with postmortem carried out	40.5	68.2	68.8	87.5	54.5	0	10
% TOPFA (GA >=15 weeks) with postmortem carried out	28.7	44	47	illegal	43.3	0	-
% Chromosomal cases (except T13, T18 & T21) with karyotype text	66.5	0	91.1	100	97.1	0	96.8
% Potential multiple anomalies with known karyotype	19.7	36.8	41.3	22.2	45.4	0	26.4
Prevalence selected 4-digit Q-BPA codes	17.4	16.2	10.7	29.5	13	1.1	11.3
Prevalence selected unspecified Q-codes	14.6	9.8	11.3	2.4	2.7	22.9	10
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	20	7.3	0	78.2	41.9	0	0
COMPLETENESS OF INFORMATION							
No. of core variables 90% complete (out of selected 11)		10	11	11	11	9	8
No. of non-core variables 80% complete (out of selected 26)		9	8	18	13	4	3
% TOPFA with civil registration known	76.2	100	100	illegal	100	0	0
% LB with one week survival known	89.7	84	99.8	99.6	100	100	23.7
Medication exposure recorded using 7-digit ATC codes		Yes	Yes	Yes	Yes	Yes	Yes
% ATC codes with 7 digits and in correct format	82.4	93.8	87.3	95.4	90.7	84.7	95.7
% Genetic syndromes + microdeletions with syndrome text complete	75.2	100	91.7	90.9	99	77.3	65.8
% Malformation 1 text complete	65.8	100	99.9	99.4	100	0	53.3
Number of unresolved data edits (excluding free text fields)	1.5	7	2	0	2	13	0
TIMELINESS							
Timeliness for February deadline	total=22	Yes	Yes		Yes	Yes	
DENOMINATORS							
Years with 80% maternal age denominators	25 with 5 years	5	5	5	5	5	4
Years with monthly denominators	14 with 5 years	5	5	5	3	5	2

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	EUROCAT average	S Portugal (Portugal)	Basque Country (Spain)	Valencia Region (Spain)	Vaud (Switzerland)	Ukraine	East Midlands & South Yori
ASCERTAINMENT							
Total no. of cases		968	2873	6144	1468	3889	7912
Total congenital anomaly prevalence [95% confidence interval]. >200 per 10,000 births expected	260.5 [258.9 - 262]	101.2 [94.9 - 107.8]	272.0 [262.2 - 282.2]	229.8 [224.1 - 235.6]	372.4 [353.6 - 392]	251.6 [243.7 - 259.6]	212.3 [207.6 - 217]
Anencephaly prevalence	3.6	1.5	5.4	2.4	3.8	6.5	4.9
Severe cardiac defects prevalence	21.3	7.5	23.1	16.4	26.9	22.3	22.9
Prevalence of selected CAs often diagnosed after the neonatal period	11.2	2.3	21.2	14.9	16.7	10.7	8.5
Genetic syndromes and microdeletions prevalence	5	0.7	4.1	3.7	17.5	3.5	3.1
Prevalence malformed fetal deaths	4.7	0.8	1	2.1	5.6	7.4	6
Down syndrome: Observed/Expected ratio by maternal age	1	0.30	1.10	0.84	1.41	0.99	1.04
ACCURACY OF DIAGNOSIS							
% Potential multiple anomalies	9.8	11.9	15.8	8.9	13.8	11.9	9.4
% fetal deaths with postmortem carried out	40.5	87.5	45.5	0	68.2	64.9	15.6
% TOPFA (GA >=15 weeks) with postmortem carried out	28.7	85.7	74.2	0	44.2	71.9	14.9
% Chromosomal cases (except T13, T18 & T21) with karyotype text	66.5	92	92.6	20.5	98.8	100	90.6
% Potential multiple anomalies with known karyotype	19.7	34.8	47.5	13.2	48.5	13	11.5
Prevalence selected 4-digit Q-BPA codes	17.4	4.7	23.3	21.2	46.9	13.5	11.8
Prevalence selected unspecified Q-codes	14.6	4.2	2.8	15.9	3	1.7	18.5
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	20	0.2	95.9	29	99.6	16.9	0
COMPLETENESS OF INFORMATION							
No. of core variables 90% complete (out of selected 11)		10	10	10	11	11	10
No. of non-core variables 80% complete (out of selected 26)		11	16	6	16	21	4
% TOPFA with civil registration known	76.2	0	0.7	100	98.1	100	98.4
% LB with one week survival known	89.7	95.4	99.8	100	100	99.9	100
Medication exposure recorded using 7-digit ATC codes			Yes	Yes	Yes	Yes from 08	
% ATC codes with 7 digits and in correct format	82.4	-	75.5	58.6	75.9	74.7	-
% Genetic syndromes + microdeletions with syndrome text complete	75.2	42.9	93	97	100	88.9	84.6
% Malformation 1 text complete	65.8	49.5	100	100	99.9	100	100
Number of unresolved data edits (excluding free text fields)	1.5	0	1	1	0	0	2
TIMELINESS							
Timeliness for February deadline	total=22				Yes		Yes
DENOMINATORS							
Years with 80% maternal age denominators	25 with 5 years	5	5	5	5	5	5
Years with monthly denominators	14 with 5 years	0	5	4	5	5	0

DQI (birth years 2007-2011)

	EUROCAT average	Northern England (United Kingdom)	South West England (United Kingdom)	Thames Valley (United Kingdom)	Wales (United Kingdom)	Wessex (United Kingdom)
ASCERTAINMENT						
Total no. of cases		3915	7830	3285	6343	3285
Total congenital anomaly prevalence [95% confidence interval]. >200 per 10,000 births expected	260.5 [258.9 - 262]	231.8 [224.6 - 239.2]	311.1 [304.3 - 318.1]	214.0 [206.7 - 221.4]	357.5 [348.8 - 366.4]	216.9 [209.6 - 224.5]
Anencephaly prevalence	3.6	5.7	4.4	5.5	5	5.3
Severe cardiac defects prevalence	21.3	29.6	19.6	19	31.2	24.5
Prevalence of selected CAs often diagnosed after the neonatal period	11.2	10.1	11.1	11.7	20.9	7.9
Genetic syndromes and microdeletions prevalence	5	6.7	7.6	6.1	8.8	8.3
Prevalence malformed fetal deaths	4.7	7.9	7.7	6.4	6.8	7.1
Down syndrome: Observed/Expected ratio by maternal age	1	1.28	1.27	1.07	1.21	1.29
ACCURACY OF DIAGNOSIS						
% Potential multiple anomalies	9.8	8.1	8.7	9.3	10.7	8.3
% fetal deaths with postmortem carried out	40.5	65.7	51	24.5	56.2	53.3
% TOPFA (GA >=15 weeks) with postmortem carried out	28.7	55.8	30.9	29.7	33.1	44
% Chromosomal cases (except T13, T18 & T21) with karyotype text	66.5	92.5	49.7	83.1	98.8	98.4
% Potential multiple anomalies with known karyotype	19.7	0	2.2	0	26.8	56.8
Prevalence selected 4-digit Q-BPA codes	17.4	11.7	12.1	13.8	24.5	14.6
Prevalence selected unspecified Q-codes	14.6	9.7	24.8	7.2	10.3	9.1
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	20	0	0	39	67.7	46.9
COMPLETENESS OF INFORMATION						
No. of core variables 90% complete (out of selected 11)		11	7	11	11	10
No. of non-core variables 80% complete (out of selected 26)		4	2	2	10	5
% TOPFA with civil registration known	76.2	98	98.8	99.9	100	99.9
% LB with one week survival known	89.7	100	48	96.4	100	100
Medication exposure recorded using 7-digit ATC codes					Yes	
% ATC codes with 7 digits and in correct format	82.4	-	-	-	83.2	-
% Genetic syndromes + microdeletions with syndrome text complete	75.2	0	62.8	85.1	96.8	50.4
% Malformation 1 text complete	65.8	100	65.1	100	100	100
Number of unresolved data edits (excluding free text fields)	1.5	13	2	1	0	0
TIMELINESS						
Timeliness for February deadline	total=22	Yes	Yes	Yes	Yes	Yes
DENOMINATORS						
Years with 80% maternal age denominators	25 with 5 years	5	5	5	5	5
Years with monthly denominators	14 with 5 years	0	0	0	5	0