

DQI (birth years 2012-2016)	EUROCAT average	Styria (Austria)	Antwerp (Belgium)	Hainaut (Belgium)	Zagreb (Croatia)	Odense (Denmark)	Auvergne (France)
<b>ASCERTAINMENT</b>							
Total no. of cases		1192	3148	1327	575	623	2438
Total congenital anomaly prevalence [95% confidence interval]	<b>260.1</b> [258.5 - 261.8]	222.4 [209.9 - 235.4]	307.4 [296.8 - 318.3]	229.4 [217.2 - 242.1]	212.2 [195.2 - 230.3]	273.4 [252.3 - 295.7]	372.6 [357.9 - 387.7]
Anencephaly prevalence	<b>3.9</b>	1.3	1.8	3.6	1.8	4.4	4.4
Severe cardiac defects prevalence	<b>23.7</b>	24.1	23.3	20.9	15.9	21.5	26.9
Selected postnatal diagnosis prevalence	<b>12.9</b>	12.9	25.4	13.1	2.6	11	21.7
Genetic syndromes and microdeletions prevalence	<b>6.1</b>	5	13.6	7.4	1.8	14	11.6
Prevalence malformed fetal deaths	<b>4.3</b>	2.8	2.7	2.4	4.8	0.9	5
Down syndrome: Observed/Expected ratio by maternal age	<b>1</b>	1.092	0.979		0.946		1.255
<b>ACCURACY OF DIAGNOSIS</b>							
% Potential multiple anomalies	<b>10.6</b>	20	11.9	8.7	7.5	7.7	16
% fetal deaths with postmortem carried out	<b>39.9</b>	100	14.3	64.3	84.6	50	54.5
% TOPFA (GA >=15 weeks) with postmortem carried out	<b>32.6</b>	92.7	12.4	46.3	86	48.6	52.1
% Chromosomal cases (except T13, T18 & T21) with karyotype text	<b>75.8</b>	91.5	32.9	77.6	100	100	77.9
% Potential multiple anomalies with karyotype text	<b>30.2</b>	23.9	16.8	36.5	14	75	37.1
Prevalence selected 4-digit Q-BPA codes	<b>19.7</b>	19.6	21.4	0	38.4	24.6	35.5
Prevalence selected unspecified Q-codes	<b>8.7</b>	4.5	13.8	1.2	0.7	0.4	3.4
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	<b>50.7</b>	98	60.3	51.7	82.9	98.5	69.8
<b>COMPLETENESS OF INFORMATION</b>							
No. of core variables 90% complete (out of selected 12*)		12	9	9	11	11	9
No. of non-core variables 80% complete (out of selected 23#)		6	8	6	17	15	0
% TOPFA with civil registration known	<b>88</b>	98.4	0	100	84.5	100	83.7
% LB with one week survival known	<b>93.6</b>	99.2	96.2	98.9	99.8	100	79.6
% ATC codes with 7 digits and in correct format	<b>83.8</b>	-	85.7	88.8	91.9	95.7	-
% Genetic syndromes + microdeletions with syndrome text complete	<b>77.7</b>	77.8	63.3	100	80	100	94.7
% Malformation 1 text complete	<b>84.7</b>	99.9	100	98.5	99.8	100	100
Number of unresolved data edits	<b>0.3</b>	0	0	0	0	0	0
<b>TIMELINESS</b>							
Timeliness for February deadline	<b>Total for birth year 2016 (sub. Feb. 2018): 19/34</b>	YES		YES			
<b>DENOMINATORS</b>							
No. of year included in DQI		5	5	5	5	5	5
Years with 80% maternal age denominators	<b>4.1</b>	5	5	2	5	3	5
Years with monthly denominators	<b>2.8</b>	0	5	4	5	0	5

\* Including surgery

# excluded: Surgery (moved to core variables), Aethiology, Folic Acid (recently replaced by Folic\_G14)

DQI (birth years 2012-2016)	EUROCAT average	Brittany (France)	French West Indies (France)	Isle de la Reunion (France)	Paris (France)	Mainz (Germany)	Saxony-Anhalt (Germany)
<b>ASCERTAINMENT</b>							
Total no. of cases		6240	1207	2362	4231	470	2708
Total congenital anomaly prevalence [95% confidence interval]	<b>260.1</b> [258.5 - 261.8]	356.4 [347.6 - 365.4]	261.3 [246.8 - 276.5]	329.2 [316.1 - 342.7]	331.3 [321.3 - 341.4]	478.7 [436.4 - 523.9]	312.8 [301.1 - 324.8]
Anencephaly prevalence	<b>3.9</b>	5.8	5.4	6.8	4.6	3.1	2.7
Severe cardiac defects prevalence	<b>23.7</b>	26.9	25.1	24.7	24.3	32.6	32.7
Selected postnatal diagnosis prevalence	<b>12.9</b>	16.1	16.7	17.8	14.9	16.3	14.6
Genetic syndromes and microdeletions prevalence	<b>6.1</b>	8.7	5.6	9.5	6.5	19.4	6.2
Prevalence malformed fetal deaths	<b>4.3</b>	3.4	10.4	6	6.3	17.3	3.2
Down syndrome: Observed/Expected ratio by maternal age	<b>1</b>			1.127	1.311		0.947
<b>ACCURACY OF DIAGNOSIS</b>							
% Potential multiple anomalies	<b>10.6</b>	9.2	15.6	11.7	10.6	5.5	11.7
% fetal deaths with postmortem carried out	<b>39.9</b>	65	12.5	51.2	0	0	42.9
% TOPFA (GA >=15 weeks) with postmortem carried out	<b>32.6</b>	58.1	12.8	35.6	0	6.5	37.2
% Chromosomal cases (except T13, T18 & T21) with karyotype text	<b>75.8</b>	94.9	94.4	98.6	99	12.5	98.4
% Potential multiple anomalies with karyotype text	<b>30.2</b>	57.1	63.8	55.8	69.4	0	22.3
Prevalence selected 4-digit Q-BPA codes	<b>19.7</b>	29.8	24.5	31.2	18.1	9.2	89.1
Prevalence selected unspecified Q-codes	<b>8.7</b>	3.1	1.1	0	16.4	2	2.9
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	<b>50.7</b>	85.6	94	95.1	61.9	0	82.5
<b>COMPLETENESS OF INFORMATION</b>							
No. of core variables 90% complete (out of selected 12*)		10	11	11	11	11	11
No. of non-core variables 80% complete (out of selected 23#)		11	18	16	11	12	11
% TOPFA with civil registration known	<b>88</b>	64.1	100	100	100	100	100
% LB with one week survival known	<b>93.6</b>	99.8	99.9	100	100	100	100
% ATC codes with 7 digits and in correct format	<b>83.8</b>	88.5	92.2	85	95	5.5	80.9
% Genetic syndromes + microdeletions with syndrome text complete	<b>77.7</b>	77.1	65.4	88.2	86.7	100	100
% Malformation 1 text complete	<b>84.7</b>	100	100	100	0	3.5	100
Number of unresolved data edits	<b>0.3</b>	0	0	3	1	0	1
<b>TIMELINESS</b>							
Timeliness for February deadline	<b>Total for birth year 2016 (sub. Feb. 2018): 19/34</b>	YES		YES	YES		YES
<b>DENOMINATORS</b>							
No. of year included in DQI		5	5	5	5	5	5
Years with 80% maternal age denominators	<b>4.1</b>	0	0	5	5	3	5
Years with monthly denominators	<b>2.8</b>	0	0	5	5	0	5

\* Including surgery

# excluded: Surgery (moved to core variables), Aethiology, Folic Acid (recently replaced by Folic\_G14)

DQI (birth years 2012-2016)	EUROCAT average	Cork and Kerry (Ireland)	Dublin (Ireland)	SE Ireland (Ireland)	Emilia Romagna (Italy)	Milan Area (Italy)	Tuscany (Italy)
<b>ASCERTAINMENT</b>							
Total no. of cases		1525	271	579	5194	2900	3071
Total congenital anomaly prevalence [95% confidence interval]	<b>260.1</b> [258.5 - 261.8]	325.3 [309.2 - 342]	97.6 [86.3 - 109.9]	165.5 [152.3 - 179.6]	280.8 [273.2 - 288.6]	240.7 [232 - 249.6]	218.9 [211.2 - 226.8]
Anencephaly prevalence	<b>3.9</b>	6.2	1.4	4.6	1.9	1.8	2.4
Severe cardiac defects prevalence	<b>23.7</b>	25.2	11.9	16.9	23.4	22.2	18.5
Selected postnatal diagnosis prevalence	<b>12.9</b>	8.7	1.8	4.9	16.5	11.5	6.8
Genetic syndromes and microdeletions prevalence	<b>6.1</b>	9.8	2.2	3.7	7.3	3.7	2.6
Prevalence malformed fetal deaths	<b>4.3</b>	9.8	10.4	10.3	0.8	0.2	1.6
Down syndrome: Observed/Expected ratio by maternal age	<b>1</b>	1.369	0.864	1.099	0.81	0.592	0.786
<b>ACCURACY OF DIAGNOSIS</b>							
% Potential multiple anomalies	<b>10.6</b>	6.3	5.5	11.7	8.8	7.8	6.9
% fetal deaths with postmortem carried out	<b>39.9</b>	34.8	27.6	8.3	46.7	100	60.9
% TOPFA (GA >=15 weeks) with postmortem carried out	<b>32.6</b>	illegal	illegal	illegal	43	64.8	38.9
% Chromosomal cases (except T13, T18 & T21) with karyotype text	<b>75.8</b>	97.5	100	71.4	47.4	84.8	53.4
% Potential multiple anomalies with karyotype text	<b>30.2</b>	41.7	26.7	35.3	36.5	34.2	31.6
Prevalence selected 4-digit Q-BPA codes	<b>19.7</b>	18.8	1.4	17.7	23.2	19.6	11
Prevalence selected unspecified Q-codes	<b>8.7</b>	2.3	1.1	8.6	22.8	4.2	9.3
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	<b>50.7</b>	93.9	49.1	77.9	10.8	94	37.7
<b>COMPLETENESS OF INFORMATION</b>							
No. of core variables 90% complete (out of selected 12*)		12	10	11	11	9	10
No. of non-core variables 80% complete (out of selected 23#)		5	6	14	13	12	5
% TOPFA with civil registration known	<b>88</b>	illegal	illegal	illegal	100	99.7	100
% LB with one week survival known	<b>93.6</b>	99.9	100	100	99.1	99.9	98
% ATC codes with 7 digits and in correct format	<b>83.8</b>	93.6	66.7	86.3	83.4	92.2	84.7
% Genetic syndromes + microdeletions with syndrome text complete	<b>77.7</b>	97.8	100	84.6	100	84.1	86.1
% Malformation 1 text complete	<b>84.7</b>	100	100	99.8	100	100	100
Number of unresolved data edits	<b>0.3</b>	0	0	0	0	0	1
<b>TIMELINESS</b>							
Timeliness for February deadline	<b>Total for birth year 2016 (sub. Feb. 2018): 19/34</b>	YES			YES		YES
<b>DENOMINATORS</b>							
No. of year included in DQI		5	1	5	5	4	5
Years with 80% maternal age denominators	<b>4.1</b>	5	1	5	5	4	5
Years with monthly denominators	<b>2.8</b>	5	0	0	5	4	5

\* Including surgery

# excluded: Surgery (moved to core variables), Aethiology, Folic Acid (recently replaced by Folic\_G14)

DQI (birth years 2012-2016)	EUROCAT average	Malta	N Netherlands (NL)	Norway	Wielkopolska (Poland)	S Portugal (Portugal)	Basque Country (Spain)
<b>ASCERTAINMENT</b>							
Total no. of cases		673	2444	7497	3898	971	2767
Total congenital anomaly prevalence [95% confidence interval]	<b>260.1</b> [258.5 - 261.8]	309.4 [286.5 - 333.7]	307.3 [295.2 - 319.7]	248.0 [242.4 - 253.7]	208.6 [202.1 - 215.2]	107.9 [101.2 - 114.9]	286.7 [276.1 - 297.6]
Anencephaly prevalence	<b>3.9</b>	2.3	4.8	2.8	0.4	1.4	6.3
Severe cardiac defects prevalence	<b>23.7</b>	34	28.8	24	14	11.1	27
Selected postnatal diagnosis prevalence	<b>12.9</b>	17	11.4	10	8.1	4.4	20
Genetic syndromes and microdeletions prevalence	<b>6.1</b>	5.1	12.3	3.3	3	1.6	6.7
Prevalence malformed fetal deaths	<b>4.3</b>	7.8	6.3	3.2	0.1	1.9	1
Down syndrome: Observed/Expected ratio by maternal age	<b>1</b>	0.972	0.876	0.979	0.773	0.577	1.139
<b>ACCURACY OF DIAGNOSIS</b>							
% Potential multiple anomalies	<b>10.6</b>	10.5	10.1	9	8.8	13	12.7
% fetal deaths with postmortem carried out	<b>39.9</b>	76.5	40	0	0	94.1	50
% TOPFA (GA >=15 weeks) with postmortem carried out	<b>32.6</b>	illegal	37.5	0	-	96.1	74.1
% Chromosomal cases (except T13, T18 & T21) with karyotype text	<b>75.8</b>	36.4	94.7	0	36.4	100	88.9
% Potential multiple anomalies with karyotype text	<b>30.2</b>	8.5	69.5	0	24.9	42.9	43.5
Prevalence selected 4-digit Q-BPA codes	<b>19.7</b>	69.4	22.5	1.5	18.5	11.1	31.2
Prevalence selected unspecified Q-codes	<b>8.7</b>	3.7	1	14.7	10.3	3	1.5
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	<b>50.7</b>	97.9	82.8	0	0	12.3	98.6
<b>COMPLETENESS OF INFORMATION</b>							
No. of core variables 90% complete (out of selected 12*)		12	9	9	4	10	12
No. of non-core variables 80% complete (out of selected 23#)		19	8	3	4	13	14
% TOPFA with civil registration known	<b>88</b>	illegal	100	0	-	83.8	95
% LB with one week survival known	<b>93.6</b>	99.8	100	100	25.2	94.2	100
% ATC codes with 7 digits and in correct format	<b>83.8</b>	98.1	93.6	85.4	90.7	6.2	97.7
% Genetic syndromes + microdeletions with syndrome text complete	<b>77.7</b>	90.9	100	73.7	96.4	42.9	84.6
% Malformation 1 text complete	<b>84.7</b>	100	100	0	98.9	86.5	100
Number of unresolved data edits	<b>0.3</b>	0	1	0	0	0	0
<b>TIMELINESS</b>							
Timeliness for February deadline	<b>Total for birth year 2016 (sub. Feb. 2018): 19/34</b>	YES	YES	YES			
<b>DENOMINATORS</b>							
No. of year included in DQI		5	5	5	5	5	5
Years with 80% maternal age denominators	<b>4.1</b>	5	5	5	5	5	5
Years with monthly denominators	<b>2.8</b>	5	0	5	5	0	5

\* Including surgery

# excluded: Surgery (moved to core variables), Aethiology, Folic Acid (recently replaced by Folic\_G14)

DQI (birth years 2012-2016)	EUROCAT average	Navarra (Spain)	Valencian Region (Spain)	Vaud (Switzerland)	Ukraine	East Midlands & South Yorkshire (United Kingdom)	Northern England (United Kingdom)
<b>ASCERTAINMENT</b>							
Total no. of cases		836	5650	1421	3954	2949	3686
Total congenital anomaly prevalence [95% confidence interval]	<b>260.1</b> [258.5 - 261.8]	345.2 [322.2 - 369.4]	254.6 [248 - 261.3]	336.7 [319.5 - 354.7]	259.8 [251.8 - 268.1]	197.0 [189.9 - 204.2]	228.1 [220.8 - 235.5]
Anencephaly prevalence	<b>3.9</b>	5.8	2.3	2.6	7.4	5.8	6
Severe cardiac defects prevalence	<b>23.7</b>	30.6	19.6	32.9	23.9	26.7	27.7
Selected postnatal diagnosis prevalence	<b>12.9</b>	22.7	19.9	20.9	10.1	8.9	9.2
Genetic syndromes and microdeletions prevalence	<b>6.1</b>	10.7	5.4	12.1	3.7	2.5	5.6
Prevalence malformed fetal deaths	<b>4.3</b>	4.1	3	3.3	5.2	6.4	6.4
Down syndrome: Observed/Expected ratio by maternal age	<b>1</b>	1.248	0.945	1.158	1.115		1.26
<b>ACCURACY OF DIAGNOSIS</b>							
% Potential multiple anomalies	<b>10.6</b>	8.1	13.6	13.7	11	10.2	9
% fetal deaths with postmortem carried out	<b>39.9</b>	70	49.3	35.7	70.9	25	46.6
% TOPFA (GA >=15 weeks) with postmortem carried out	<b>32.6</b>	6.3	0.4	40.8	68.9	16.7	36.5
% Chromosomal cases (except T13, T18 & T21) with karyotype text	<b>75.8</b>	100	25.4	97.2	95.1	88.7	75.2
% Potential multiple anomalies with karyotype text	<b>30.2</b>	48.5	18.3	41.2	17.5	22.7	0.6
Prevalence selected 4-digit Q-BPA codes	<b>19.7</b>	28.5	18.6	44.1	25.2	14.2	9.1
Prevalence selected unspecified Q-codes	<b>8.7</b>	2.1	14.3	1.7	1.3	10.5	9
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	<b>50.7</b>	97.5	49.7	99.1	29.6	11.6	31.5
<b>COMPLETENESS OF INFORMATION</b>							
No. of core variables 90% complete (out of selected 12*)		12	10	12	11	9	8
No. of non-core variables 80% complete (out of selected 23#)		14	7	13	21	1	2
% TOPFA with civil registration known	<b>88</b>	100	100	96.3	99.5	99.9	99.5
% LB with one week survival known	<b>93.6</b>	100	100	100	100	99.6	98.5
% ATC codes with 7 digits and in correct format	<b>83.8</b>	96.4	65	84.2	76.6	86.5	87.7
% Genetic syndromes + microdeletions with syndrome text complete	<b>77.7</b>	92.3	93.3	100	89.5	65.8	17.8
% Malformation 1 text complete	<b>84.7</b>	100	100	100	100	81.9	88.4
Number of unresolved data edits	<b>0.3</b>	0	0	1	0	0	0
<b>TIMELINESS</b>							
Timeliness for February deadline	<b>Total for birth year 2016 (sub. Feb. 2018): 19/34</b>			YES		YES	YES
<b>DENOMINATORS</b>							
No. of year included in DQI		4	5	5	5	2	5
Years with 80% maternal age denominators	<b>4.1</b>	4	5	5	5	1	5
Years with monthly denominators	<b>2.8</b>	4	5	5	5	0	0

\* Including surgery

# excluded: Surgery (moved to core variables), Aethiology, Folic Acid (recently replaced by Folic\_G14)

DQI (birth years 2012-2016)	EUROCAT average	South West England (United Kingdom)	Thames Valley (United Kingdom)	Wales (United Kingdom)	Wessex (United Kingdom)
<b>ASCERTAINMENT</b>					
Total no. of cases		6529	3325	5181	3179
Total congenital anomaly prevalence [95% confidence interval]	<b>260.1</b> [258.5 - 261.8]	260.5 [254.2 - 266.9]	222.2 [214.7 - 229.9]	305.5 [297.3 - 314]	208.7 [201.5 - 216.1]
Anencephaly prevalence	<b>3.9</b>	5	3.9	4.6	5.3
Severe cardiac defects prevalence	<b>23.7</b>	24.1	23.5	29.6	24.7
Selected postnatal diagnosis prevalence	<b>12.9</b>	10.1	11.4	17.9	9.6
Genetic syndromes and microdeletions prevalence	<b>6.1</b>	7.8	5.1	5.7	7.4
Prevalence malformed fetal deaths	<b>4.3</b>	7.1	6.3	5.8	7.3
Down syndrome: Observed/Expected ratio by maternal age	<b>1</b>	1.269	1.106		
<b>ACCURACY OF DIAGNOSIS</b>					
% Potential multiple anomalies	<b>10.6</b>	11.5	10.1	12.6	9.8
% fetal deaths with postmortem carried out	<b>39.9</b>	54.7	20.2	41.4	51.4
% TOPFA (GA >=15 weeks) with postmortem carried out	<b>32.6</b>	30	19.9	32.1	33.6
% Chromosomal cases (except T13, T18 & T21) with karyotype text	<b>75.8</b>	85.6	74.6	98.7	89.9
% Potential multiple anomalies with karyotype text	<b>30.2</b>	18.5	6.8	26	41.7
Prevalence selected 4-digit Q-BPA codes	<b>19.7</b>	15.9	12.8	20.3	10.7
Prevalence selected unspecified Q-codes	<b>8.7</b>	14.3	7.6	9.1	4.9
% LB with ASD, VSD, Hydronephrosis, Hypospadias or club foot with surgery data	<b>50.7</b>	22.9	36.8	72.1	57.1
<b>COMPLETENESS OF INFORMATION</b>					
No. of core variables 90% complete (out of selected 12*)		6	7	11	9
No. of non-core variables 80% complete (out of selected 23#)		1	1	7	1
% TOPFA with civil registration known	<b>88</b>	99.3	100	99.9	99.6
% LB with one week survival known	<b>93.6</b>	79.9	90.5	99.9	99.9
% ATC codes with 7 digits and in correct format	<b>83.8</b>	86.9	79.3	85.5	91.9
% Genetic syndromes + microdeletions with syndrome text complete	<b>77.7</b>	48.5	50	91.7	49.6
% Malformation 1 text complete	<b>84.7</b>	89	96.7	100	97.1
Number of unresolved data edits	<b>0.3</b>	0	0	0	2
<b>TIMELINESS</b>					
Timeliness for February deadline	<b>Total for birth year 2016 (sub. Feb. 2018): 19/34</b>	YES	YES	YES	YES
<b>DENOMINATORS</b>					
No. of year included in DQI		5	5	5	5
Years with 80% maternal age denominators	<b>4.1</b>	5	5	4	4
Years with monthly denominators	<b>2.8</b>	0	0	2	0

\* Including surgery

# excluded: Surgery (moved to core variables), Aethiology, Folic Acid (recently replaced by Folic\_G14)