

**TRENDS IN THE PREVALENCE OF BIRTH DEFECTS IN  
ILLINOIS AND CHICAGO  
1989 to 1995**

by

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# TRENDS IN THE PREVALENCE OF BIRTH DEFECTS IN ILLINOIS AND CHICAGO - 1989 to 1995

This report is the fourth in a series of surveillance reports issued by the Illinois Department of Public Health's Adverse Pregnancy Outcomes Reporting System (APORS) monitoring the prevalence of birth defects in Illinois. In this report, the prevalence of birth defects occurring among Illinois and Chicago newborns in 1994 and 1995 is presented in Tables 1 through 4. In addition, quarterly trends by birth defect category for Illinois are presented in Figure 1. Prevalence rates of birth defects among Illinois newborns from 1989 through 1993 and among Chicago newborns in 1993 and 1994 were published in previous surveillance reports.<sup>1,2</sup>

The quarterly rates (for all Illinois and Chicago newborns) are calculated by dividing the number of birth defects identified post-natally (newborn up to hospital discharge) by the total number of live births during that quarter. For the years 1994 and 1995, live births were extracted from the Department's birth master files. Table 1 shows an updated report for birth defects that occurred among Illinois newborns in 1994 while Table 2 shows the number of birth defects that occurred in 1995. In addition, Table 3 shows an updated report for birth defects that occurred among Chicago newborns in 1994 while Table 4 shows the number of birth defects that occurred in 1995.

Figure 1 shows the 1989 to 1995 quarterly trends by selected birth defects category. Because rates for several birth defect categories are based upon small numbers of affected newborns, caution should be exercised in the interpretation of the data. A description of the Adverse Pregnancy Outcomes Reporting System is found in Appendix A while a listing of International Classification of Diseases - 9<sup>th</sup> Revision Clinical Modification (ICD-9CM) codes for these selected birth defect categories is found in Appendix B.

## FINDINGS

Figure 1 shows that, since the first quarter of 1989, the prevalence at birth of 28 birth defect categories is increasing, two birth defect categories are decreasing, and five birth defects remained stable. The majority of the increasing defects were those specific to the following organ systems: cardiovascular, respiratory, gastrointestinal, genitourinary, musculoskeletal and chromosomal anomalies. These increases could be the result of improved diagnostic techniques, better clinical awareness and recognition of these malformations, or expanded reporting by hospital personnel.

These trends in the prevalence of birth defects are consistent with those observed in the Birth Defects Monitoring Program

(BDMP), a national program that tracks congenital malformations by using hospital discharge data on newborns.<sup>3</sup> While the rates have increased, they did not exceed those for the same type of birth defects in active birth defects surveillance systems that identify case infants up to 1 year of age. APORS personnel continues to improve completeness of reporting by conducting casefinding audit and mail surveys.

## **REFERENCES**

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1994

**TABLE 1. SELECTED BIRTH DEFECT CATEGORIES FOR 1994 LIVE BIRTHS, ILLINOIS (UPDATE)<sub>1</sub>**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>A. CENTRAL NERVOUS SYSTEM</b>										
Anencephaly	6	1.31	8	1.71	11	2.20	10	2.16	35	1.85
Spina Bifida w/o Anencephaly	19	4.14	11	2.35	18	3.60	14	3.02	62	3.28
Encephalocele	1	0.22	3	0.64	1	0.20	1	0.22	6	0.32
Microcephalocele	6	1.31	12	2.56	15	3.00	11	2.37	44	2.33
Hydrocephalocele	28	6.10	23	4.91	34	6.79	37	7.98	122	6.45
<b>B. EYE</b>										
Anophthalmos	4	0.87	2	0.43	4	0.80	5	1.08	15	0.79
Congenital Cataract	2	0.44	2	0.43	1	0.20	2	0.43	7	0.37
Coloboma of the Eye	2	0.44	1	0.21	2	0.40	0	0.00	5	0.26
Aniridia	1	0.22	0	0.00	0	0.00	0	0.00	1	0.05
<b>C. CARDIOVASCULAR</b>										
Common Truncus	4	0.87	0	0.00	1	0.20	2	0.43	7	0.37
Transposition of the Great Arteries	10	2.18	10	2.13	5	1.00	6	1.29	31	1.64
Tetralogy of Fallot	8	1.74	10	2.13	7	1.40	7	1.51	32	1.69
Ventricular Septal Defect	70	15.26	63	13.44	65	12.99	101	21.78	299	15.80
Atrial Septal Defect	54	11.77	41	8.75	52	10.39	54	11.65	201	10.62
Endocardial Cushion Defect	2	0.44	4	0.85	6	1.20	4	0.86	16	0.85
Pulmonary Valve Stenosis and Atresia	4	0.87	5	1.07	10	2.00	5	1.08	24	1.27
Tricuspid Valve Stenosis and Atresia	1	0.22	1	0.21	0	0.00	4	0.86	6	0.32
Aortic Valve Stenosis and Atresia	3	0.65	3	0.64	1	0.20	1	0.22	8	0.42
Hypoplastic Left Heart Syndrome	5	1.09	4	0.85	6	1.20	6	1.29	21	1.11
Patent Ductus Arteriosus	174	37.92	215	45.87	201	40.16	206	44.42	796	42.08
Coarctation of the Aorta	10	2.18	9	1.92	6	1.20	4	0.86	29	1.53
Pulmonary Artery Anomaly	56	12.20	61	13.01	60	11.99	46	9.92	223	11.79
<b>D. RESPIRATORY</b>										

**TABLE 1. SELECTED BIRTH DEFECT CATEGORIES FOR 1994 LIVE BIRTHS, ILLINOIS (UPDATE)<sub>1</sub>**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Choanal Atresia	6	1.31	2	0.43	3	0.60	5	1.08	16	0.85
Lung Agenesis	11	2.40	8	1.71	22	4.40	12	2.59	53	2.80
<b>E. OROFACIAL</b>										
Cleft Palate w/o Cleft Lip	15	3.27	19	4.05	21	4.20	13	2.80	68	3.59
Cleft Lip with or without Cleft Palate	29	6.32	29	6.19	31	6.19	26	5.61	115	6.08
<b>F. GASTROINTESTINAL</b>										
Tracheoesophageal Anomalies	11	2.40	15	3.20	13	2.60	8	1.73	47	2.48
Pyloric Stenosis	0	0.00	2	0.43	0	0.00	0	0.00	2	0.11
Rectal and Intestinal Atresia	7	1.53	5	1.07	17	3.40	10	2.16	39	2.06
Hirschsprung's Disease	2	0.44	9	1.92	6	1.20	7	1.51	24	1.27
<b>G. GENITOURINARY</b>										
Renal Agenesis	7	1.53	11	2.35	14	2.80	6	1.29	38	2.01
Bladder Exstrophy	0	0.00	1	0.21	3	0.60	2	0.43	6	0.32
<b>H. MUSCULOSKELETAL</b>										
Club Foot w/o CNS Defect	53	11.55	60	12.80	54	10.79	43	9.27	210	11.10
Reduction Defect of Upper Limbs	2	0.44	11	2.35	9	1.80	6	1.29	28	1.48
Reduction Defect of Lower Limbs	6	1.31	3	0.64	2	0.40	1	0.22	12	0.63
Gastroschisis/Omphalocele	10	2.18	18	3.84	15	3.00	25	5.39	68	3.59
<b>I. CHROMOSOMAL</b>										
Down Syndrome	28	6.10	37	7.89	51	10.19	47	10.14	163	8.62
Patau Syndrome	2	0.44	4	0.85	5	1.00	4	0.86	15	0.79
Edward Syndrome	9	1.96	6	1.28	7	1.40	10	2.16	32	1.69
<b>GRAND TOTAL</b>	<b>668</b>	<b>145.58</b>	<b>728</b>	<b>155.32</b>	<b>779</b>	<b>155.63</b>	<b>751</b>	<b>161.95</b>	<b>2926</b>	<b>154.67</b>

SOURCE: Illinois Department of Public Health, APORS, February 1997

<sup>1</sup>Updated numbers for 1994 livebirths

Cases=Number of livebirths and fetal deaths; rate is per 10,000 livebirths

1995

**TABLE 2. SELECTED BIRTH DEFECT CATEGORIES FOR 1995 LIVE BIRTHS, ILLINOIS**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>A. CENTRAL NERVOUS SYSTEM</b>										
Anencephaly	9	2.00	4	0.86	9	1.83	11	2.45	33	1.78
Spina Bifida w/o Anencephaly	7	1.56	14	3.00	18	3.66	22	4.90	61	3.28
Encephalocele	3	0.67	5	1.07	5	1.02	1	0.22	14	0.75
Microcephalocele	11	2.44	13	2.78	10	2.03	18	4.01	52	2.80
Hydrocephalocele	21	4.67	24	5.14	32	6.50	19	4.24	96	5.17
<b>B. EYE</b>										
Anophthalmos	5	1.11	4	0.86	1	0.20	15	3.34	25	1.35
Congenital Cataract	0	0.00	0	0.00	3	0.61	4	0.89	7	0.38
Coloboma of the Eye	1	0.22	1	0.21	1	0.20	4	0.89	7	0.38
Aniridia	1	0.22	2	0.43	2	0.41	0	0.00	5	0.27
<b>C. CARDIOVASCULAR</b>										
Common Truncus	4	0.89	1	0.21	1	0.20	2	0.45	8	0.43
Transposition of the Great Arteries	9	2.00	10	2.14	13	2.64	11	2.45	43	2.31
Tetralogy of Fallot	7	1.56	3	0.64	7	1.42	6	1.34	23	1.24
Ventricular Septal Defect	75	16.66	67	14.34	92	18.70	60	13.37	294	15.82
Atrial Septal Defect	53	11.77	56	11.99	66	13.41	55	12.26	230	12.38
Endocardial Cushion Defect	4	0.89	3	0.64	11	2.24	7	1.56	25	1.35
Pulmonary Valve Stenosis and Atresia	5	1.11	9	1.93	5	1.02	8	1.78	27	1.45
Tricuspid Valve Stenosis and Atresia	0	0.00	5	1.07	2	0.41	1	0.22	8	0.43
Aortic Valve Stenosis and Atresia	3	0.67	2	0.43	1	0.20	0	0.00	6	0.32
Hypoplastic Left Heart Syndrome	3	0.67	4	0.86	7	1.42	7	1.56	21	1.13
Patent Ductus Arteriosus	181	40.21	178	38.10	182	36.99	157	35.00	698	37.57
Coarctation of the Aorta	4	0.89	8	1.71	4	0.81	6	1.34	22	1.18
Pulmonary Artery Anomaly	45	10.00	44	9.42	39	7.93	47	10.48	175	9.42
<b>D. RESPIRATORY</b>										

**TABLE 2. SELECTED BIRTH DEFECT CATEGORIES FOR 1995 LIVE BIRTHS, ILLINOIS**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
Choanal Atresia	3	0.67	5	1.07	5	1.02	1	0.22	14	0.75
Lung Agenesis	15	3.33	14	3.00	9	1.83	20	4.46	58	3.12
<b>E. OROFACIAL</b>										
Cleft Palate w/o Cleft Lip	14	3.11	12	2.57	21	4.27	11	2.45	58	3.12
Cleft Lip with or without Cleft Palate	19	4.22	26	5.56	24	4.88	20	4.46	89	4.79
<b>F. GASTROINTESTINAL</b>										
Tracheoesophageal Anomalies	11	2.44	10	2.14	8	1.63	13	2.90	42	2.26
Pyloric Stenosis	0	0.00	4	0.86	2	0.41	1	0.22	7	0.38
Rectal and Intestinal Atresia	13	2.89	21	4.49	13	2.64	17	3.79	64	3.44
Hirschsprung's Disease	4	0.89	7	1.50	7	1.42	8	1.78	26	1.40
<b>G. GENITOURINARY</b>										
Renal Agenesis	13	2.89	8	1.71	12	2.44	11	2.45	44	2.37
Bladder Exstrophy	2	0.44	0	0.00	0	0.00	1	0.22	3	0.16
<b>H. MUSCULOSKELETAL</b>										
Club Foot w/o CNS Defect	49	10.89	43	9.20	61	12.40	50	11.15	203	10.93
Reduction Defect of Upper Limbs	1	0.22	8	1.71	6	1.22	4	0.89	19	1.02
Reduction Defect of Lower Limbs	1	0.22	4	0.86	4	0.81	3	0.67	12	0.65
Gastroschisis/Omphalocele	22	4.89	20	4.28	20	4.06	11	2.45	73	3.93
<b>I. CHROMOSOMAL</b>										
Down Syndrome	50	11.11	36	7.70	50	10.16	40	8.92	176	9.47
Patau Syndrome	8	1.78	4	0.86	9	1.83	3	0.67	24	1.29
Edward Syndrome	2	0.44	6	1.28	11	2.24	6	1.34	25	1.35

TABLE 2. SELECTED BIRTH DEFECT CATEGORIES FOR 1995 LIVE BIRTHS, ILLINOIS

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>GRAND TOTAL</b>	678	150.63	685	146.61	773	157.10	681	151.80	2817	151.61

SOURCE: Illinois Department of Public Health, APORS, February, 1997  
 Cases=Number of live births and fetal deaths; rate is per 10,000 live births

1994  
CHICAGO

**Table 3. SELECTED BIRTH DEFECT CATEGORIES FOR 1994 LIVE BIRTHS, CHICAGO (UPDATE)<sup>1</sup>**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>A. CENTRAL NERVOUS SYSTEM</b>										
Anencephaly	0	0.00	2	1.45	0	0.00	0	0.00	2	0.35
Spina Bifida w/o Anencephaly	3	2.11	4	2.90	5	3.29	2	1.42	14	2.44
Encephalocele	0	0.00	1	0.72	0	0.00	0	0.00	1	0.17
Microcephalocele	3	2.11	5	3.62	8	5.27	4	2.84	20	3.49
Hydrocephalocele	10	7.02	10	7.25	8	5.27	10	7.09	38	6.63
<b>B. EYE</b>										
Anophthalmos	0	0.00	0	0.00	1	0.66	1	0.71	2	0.35
Congenital Cataract	0	0.00	1	0.72	0	0.00	0	0.00	1	0.17
Coloboma of the Eye	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Aniridia	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<b>C. CARDIOVASCULAR</b>										
Common Truncus	2	1.40	0	0.00	0	0.00	1	0.71	3	0.52
Transposition of the Great Arteries	1	0.70	0	0.00	2	1.32	1	0.71	4	0.70
Tetralogy of Fallot	0	0.00	3	2.17	2	1.32	3	2.13	8	1.40
Ventricular Septal Defect	9	6.32	15	10.87	14	9.22	22	15.60	60	10.47
Atrial Septal Defect	14	9.83	8	5.80	10	6.59	9	6.38	41	7.15
Endocardial Cushion Defect	0	0.00	0	0.00	1	0.66	0	0.00	1	0.17
Pulmonary Valve Stenosis and Atresia	2	1.40	2	1.45	1	0.66	0	0.00	5	0.87
Tricuspid Valve Stenosis and Atresia	0	0.00	1	0.72	0	0.00	0	0.00	1	0.17
Aortic Valve Stenosis and Atresia	1	0.70	2	1.45	0	0.00	0	0.00	3	0.52
Hypoplastic Left Heart Syndrome	1	0.70	0	0.00	3	1.98	0	0.00	4	0.70
Patent Ductus Arteriosus	47	33.01	51	36.95	45	29.64	52	36.88	195	34.02
Coarctation of the Aorta	4	2.81	2	1.45	1	0.66	1	0.71	8	1.40
Pulmonary Artery Anomaly	8	5.62	11	7.97	8	5.27	12	8.51	39	6.80
<b>D. RESPIRATORY</b>										
Choanal Atresia	1	0.70	1	0.72	1	0.66	1	0.71	4	0.70
Lung Agenesis	1	0.70	1	0.72	6	3.95	3	2.13	11	1.92

**Table 3. SELECTED BIRTH DEFECT CATEGORIES FOR 1994 LIVE BIRTHS, CHICAGO (UPDATE)<sup>1</sup>**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>E. OROFACIAL</b>										
Cleft Palate w/o Cleft Lip	2	1.40	3	2.17	2	1.32	2	1.42	9	1.57
Cleft Lip with or without Cleft Palate	6	4.21	4	2.90	5	3.29	2	1.42	17	2.97
<b>F. GASTROINTESTINAL</b>										
Tracheoesophageal Anomalies	1	0.70	1	0.72	1	0.66	1	0.71	4	0.70
Pyloric Stenosis	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Rectal and Intestinal Atresia	1	0.70	3	2.17	4	2.63	4	2.84	12	2.09
Hirschsprung's Disease	0	0.00	3	2.17	2	1.32	0	0.00	5	0.87
<b>G. GENITOURINARY</b>										
Renal Agenesis	1	0.70	3	2.17	2	1.32	1	0.71	7	1.22
Bladder Exstrophy	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<b>H. MUSCULOSKELETAL</b>										
Club Foot w/o CNS Defect	4	2.81	16	11.59	13	8.56	5	3.55	38	6.63
Reduction Defect of Upper Limbs	0	0.00	2	1.45	0	0.00	1	0.71	3	0.52
Reduction Defect of Lower Limbs	0	0.00	0	0.00	1	0.66	0	0.00	1	0.17
Gastroschisis/Omphalocele	4	2.81	7	5.07	6	3.95	6	4.26	23	4.01
<b>I. CHROMOSOMAL</b>										
Down Syndrome	5	3.51	8	5.80	12	7.90	14	9.93	39	6.80
Patau Syndrome	1	0.70	2	1.45	2	1.32	0	0.00	5	0.87
Edward Syndrome	2	1.40	0	0.00	0	0.00	1	0.71	3	0.52
<b>GRAND TOTAL</b>	134	94.11	172	124.62	166	109.33	159	112.76	631	110.08

SOURCE: Illinois Department of Public Health, APORS, February 1997

<sup>1</sup>Updated numbers for 1994 live births

Cases=Number of livebirth and fetal deaths; rate is per 10,000 live births

1995  
CHICAGO

**Table 4. SELECTED BIRTH DEFECT CATEGORIES FOR 1995 LIVE BIRTHS, CHICAGO**

SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>A. CENTRAL NERVOUS SYSTEM</b>										
Anencephaly	0	0.00	0	0.00	0	0.00	2	1.41	2	0.35
Spina Bifida w/o Anencephaly	2	1.41	4	2.81	5	3.30	5	3.54	16	2.77
Encephalocele	0	0.00	3	2.11	1	0.66	1	0.71	5	0.87
Microcephalocele	8	5.64	5	3.51	6	3.96	6	4.24	25	4.33
Hydrocephalocele	9	6.35	8	5.62	11	7.26	8	5.66	36	6.24
<b>B. EYE</b>										
Anophthalmos	1	0.71	3	2.11	0	0.00	9	6.36	13	2.25
Congenital Cataract	0	0.00	0	0.00	0	0.00	1	0.71	1	0.17
Coloboma of the Eye	1	0.71	0	0.00	0	0.00	2	1.41	3	0.52
Aniridia	0	0.00	1	0.70	0	0.00	0	0.00	1	0.17
<b>C. CARDIOVASCULAR</b>										
Common Truncus	0	0.00	1	0.70	0	0.00	1	0.71	2	0.35
Transposition of the Great Arteries	3	2.12	1	0.70	5	3.30	1	0.71	10	1.73
Tetralogy of Fallot	3	2.12	2	1.40	1	0.66	2	1.41	8	1.39
Ventricular Septal Defect	8	5.64	11	7.73	21	13.87	11	7.78	51	8.84
Atrial Septal Defect	5	3.53	8	5.62	11	7.26	10	7.07	34	5.89
Endocardial Cushion Defect	0	0.00	1	0.70	1	0.66	0	0.00	2	0.35
Pulmonary Valve Stenosis and Atresia	0	0.00	2	1.40	0	0.00	2	1.41	4	0.69
Tricuspid Valve Stenosis and Atresia	0	0.00	1	0.70	0	0.00	0	0.00	1	0.17
Aortic Valve Stenosis and Atresia	0	0.00	1	0.70	0	0.00	0	0.00	1	0.17
Hypoplastic Left Heart Syndrome	1	0.71	1	0.70	2	1.32	0	0.00	4	0.69
Patent Ductus Arteriosus	38	26.79	43	30.21	41	27.07	28	19.80	150	25.99
Coarctation of the Aorta	0	0.00	1	0.70	1	0.66	1	0.71	3	0.52
Pulmonary Artery Anomaly	14	9.87	6	4.21	5	3.30	11	7.78	36	6.24
<b>D. RESPIRATORY</b>										
Choanal Atresia	1	0.71	3	2.11	0	0.00	0	0.00	4	0.69
Lung Agenesis	2	1.41	4	2.81	1	0.66	3	2.12	10	1.73

**Table 4. SELECTED BIRTH DEFECT CATEGORIES FOR 1995 LIVE BIRTHS, CHICAGO**

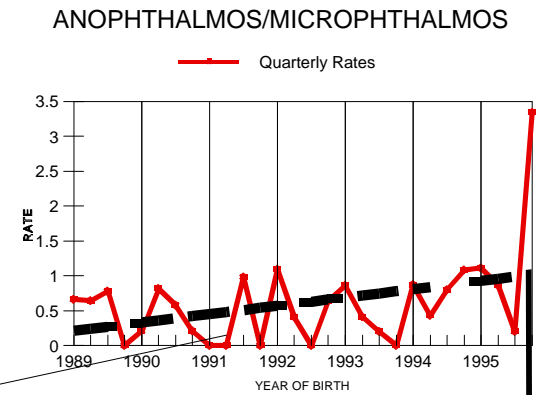
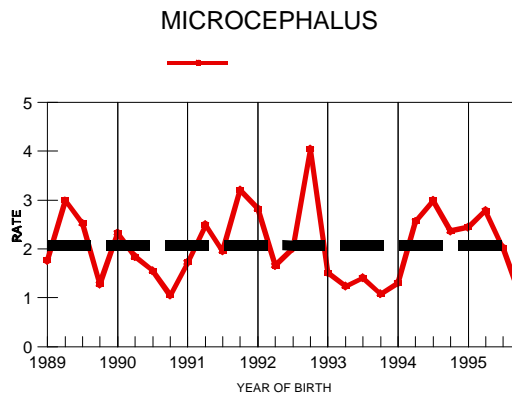
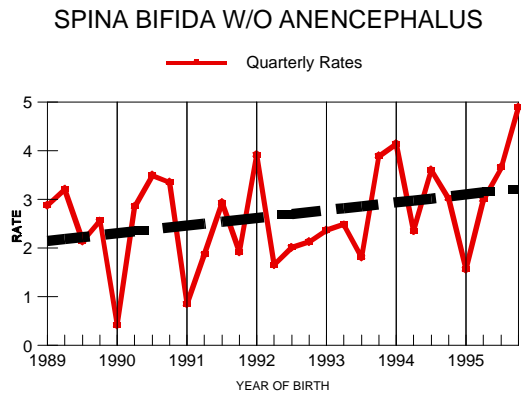
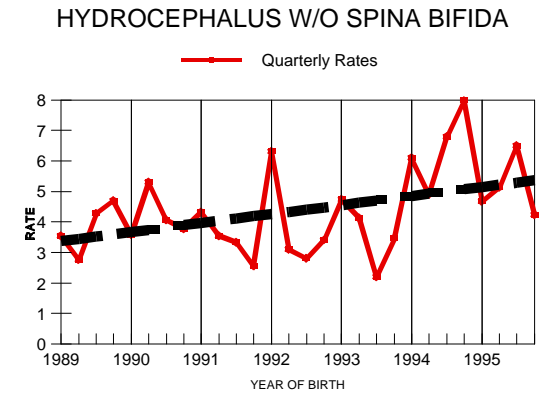
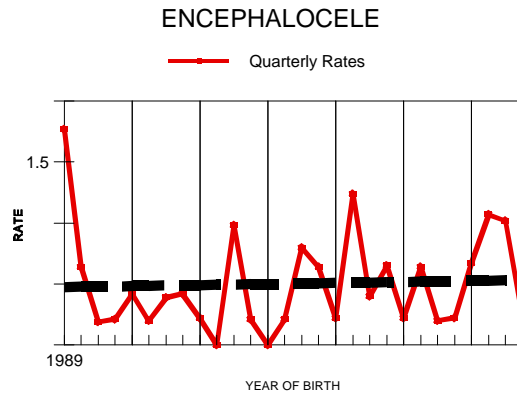
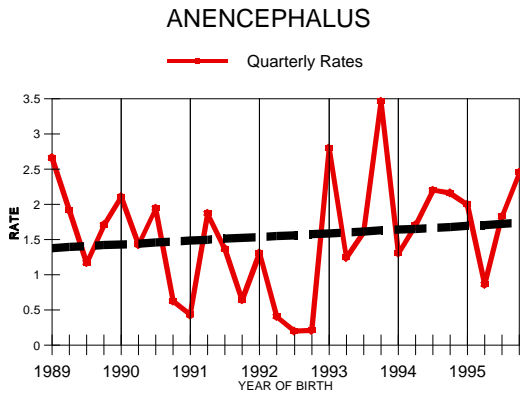
SELECTED BIRTH DEFECTS GROUPS	FIRST QUARTER		SECOND QUARTER		THIRD QUARTER		FOURTH QUARTER		TOTAL	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
<b>E. OROFACIAL</b>										
Cleft Palate w/o Cleft Lip	0	0.00	4	2.81	0	0.00	1	0.71	5	<b>0.87</b>
Cleft Lip with or without Cleft Palate	8	5.64	1	0.70	4	2.64	3	2.12	16	<b>2.77</b>
<b>F. GASTROINTESTINAL</b>										
Tracheoesophageal Anomalies	2	1.41	0	0.00	1	0.66	2	1.41	5	<b>0.87</b>
Pyloric Stenosis	0	0.00	1	0.70	2	1.32	0	0.00	3	<b>0.52</b>
Rectal and Intestinal Atresia	4	2.82	9	6.32	4	2.64	5	3.54	22	<b>3.81</b>
Hirschsprung's Disease	1	0.71	3	2.11	2	1.32	5	3.54	11	<b>1.91</b>
<b>G. GENITOURINARY</b>										
Renal Agenesis	0	0.00	1	0.70	2	1.32	2	1.41	5	<b>0.87</b>
Bladder Exstrophy	2	1.41	0	0.00	0	0.00	0	0.00	2	<b>0.35</b>
<b>H. MUSCULOSKELETAL</b>										
Club Foot w/o CNS Defect	7	4.94	8	5.62	12	7.92	12	8.49	39	<b>6.76</b>
Reduction Defect of Upper Limbs	0	0.00	1	0.70	4	2.64	0	0.00	5	<b>0.87</b>
Reduction Defect of Lower Limbs	0	0.00	2	1.40	1	0.66	2	1.41	5	<b>0.87</b>
Gastroschisis/Omphalocele	7	4.94	2	1.40	5	3.30	3	2.12	17	<b>2.95</b>
<b>I. CHROMOSOMAL</b>										
Down Syndrome	12	8.46	12	8.43	7	4.62	4	2.83	35	<b>6.07</b>
Patau Syndrome	1	0.71	0	0.00	1	0.66	0	0.00	2	<b>0.35</b>
Edward Syndrome	0	0.00	1	0.70	1	0.66	1	0.71	3	<b>0.52</b>
<b>GRAND TOTAL</b>	<b>140</b>	<b>98.70</b>	<b>155</b>	<b>108.88</b>	<b>158</b>	<b>104.33</b>	<b>144</b>	<b>101.83</b>	<b>597</b>	<b>103.46</b>

SOURCE: Illinois Department of Public Health, APORS, February 1997  
 Cases=Number of livebirths and fetal deaths; rate is per 10,000 live births

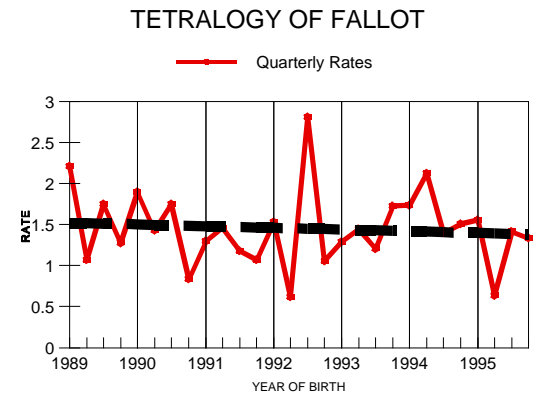
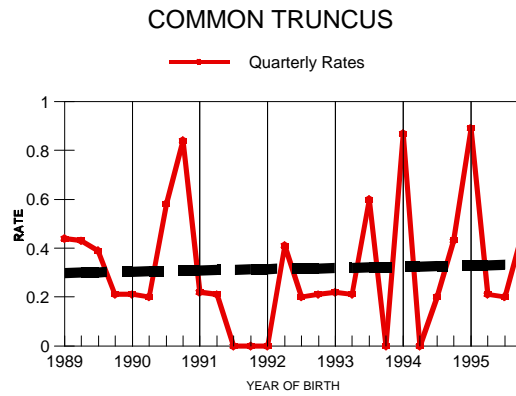
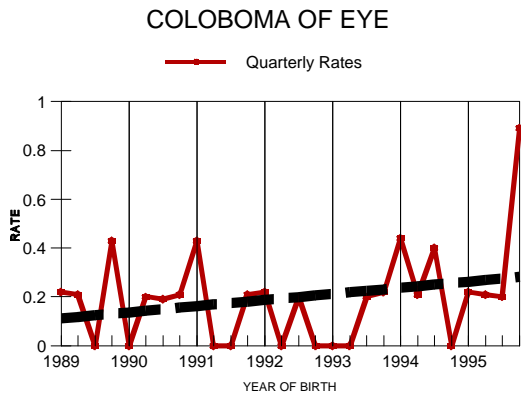
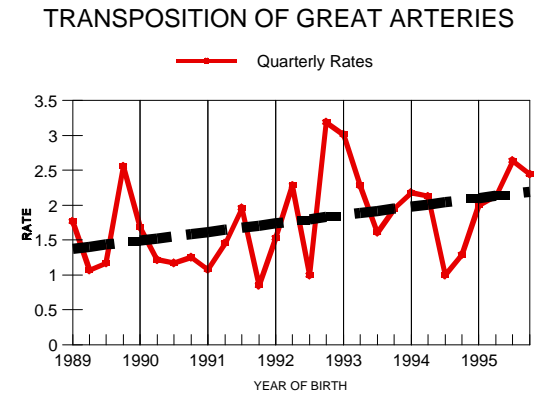
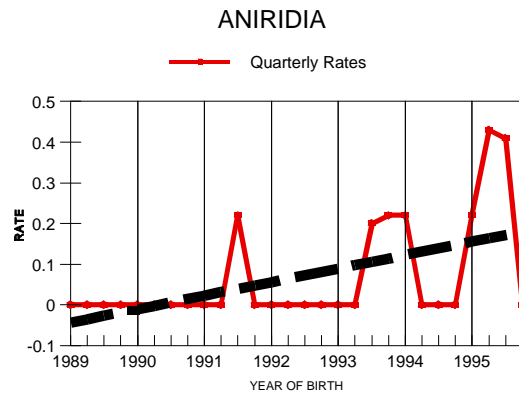
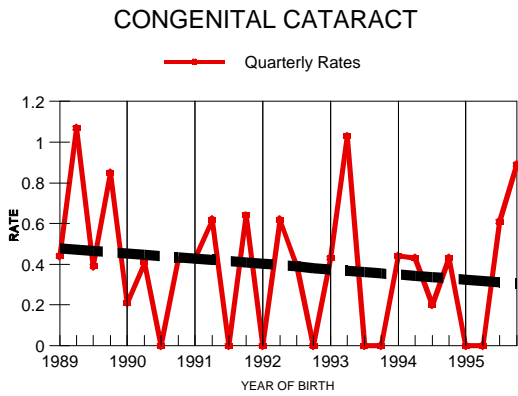
# TRENDS

## 1989 TO 1995

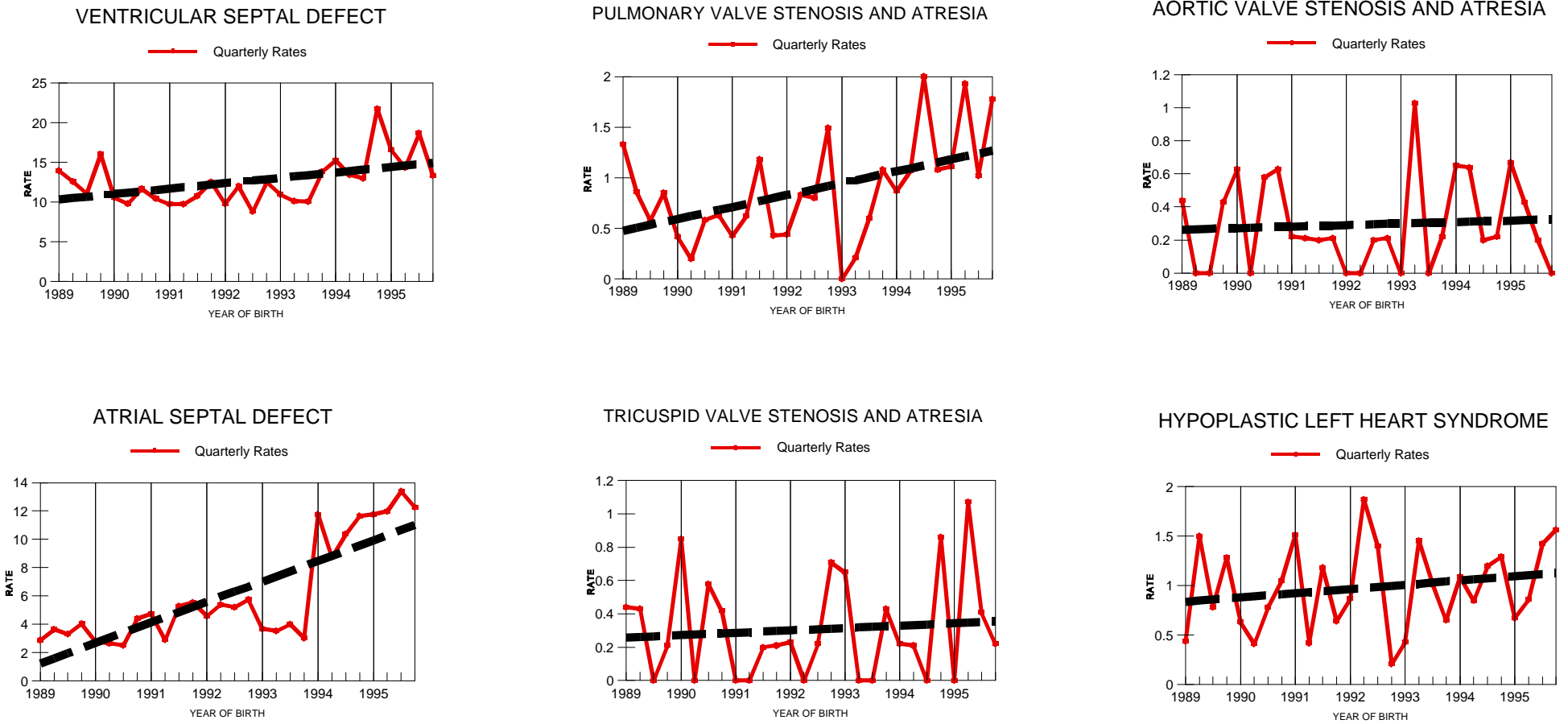
**FIGURE 1. QUARTERLY TRENDS IN THE REPORTED PREVALENCE RATES OF BIRTH DEFECTS PER 10,000 LIVEBIRTHS 1989-1995**



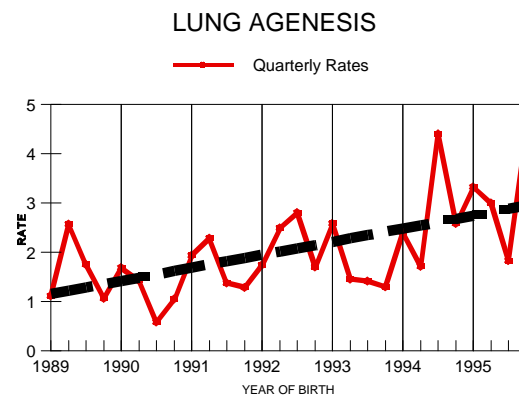
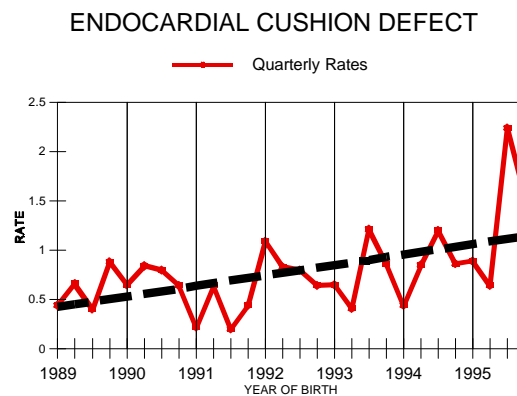
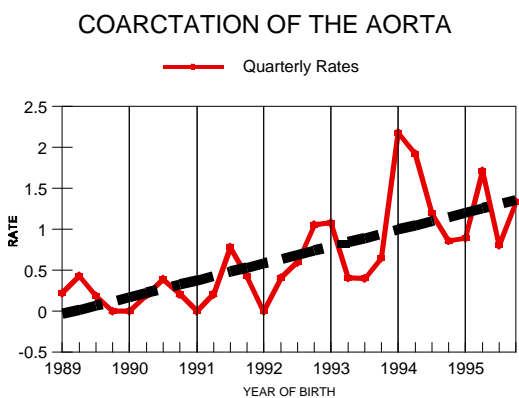
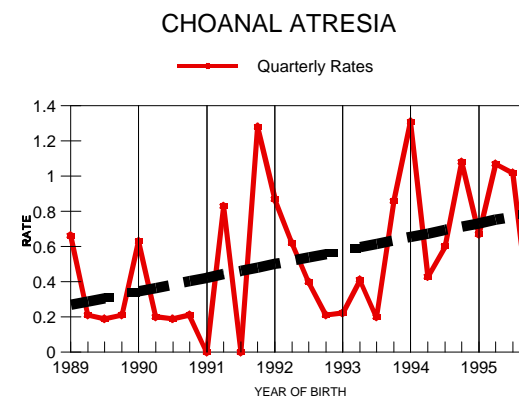
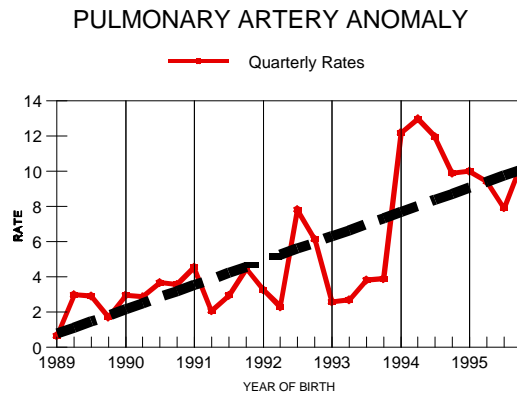
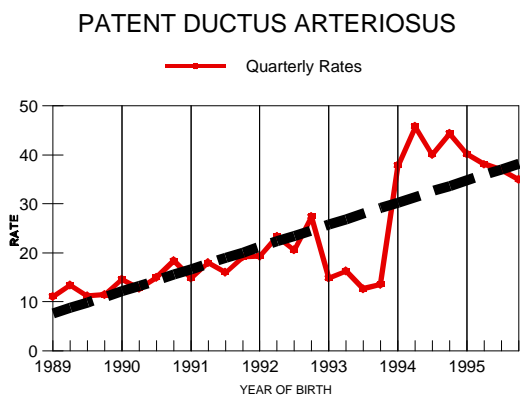
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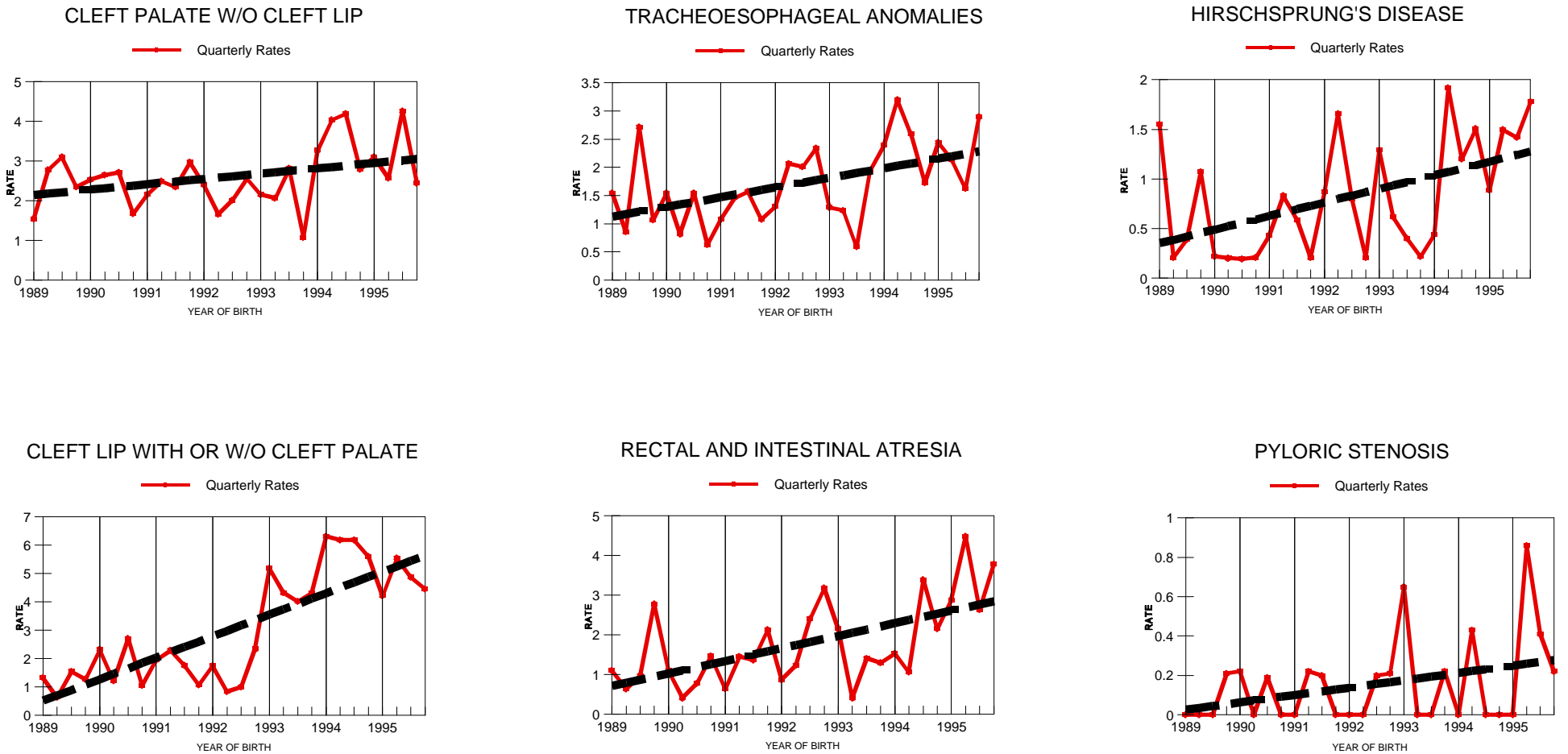
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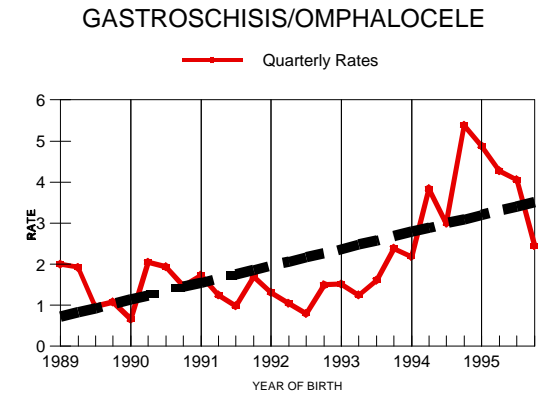
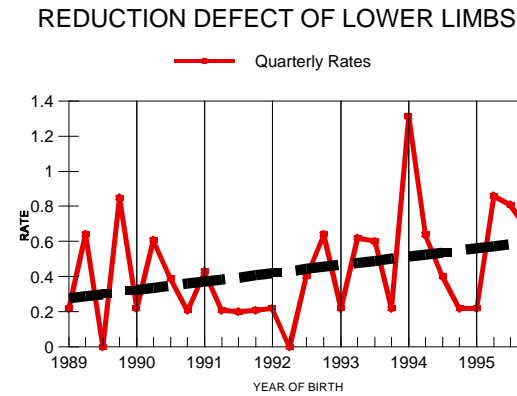
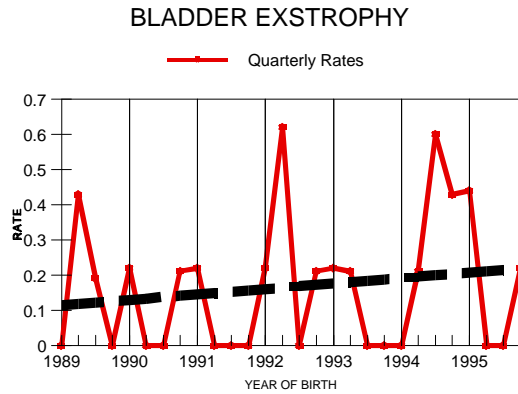
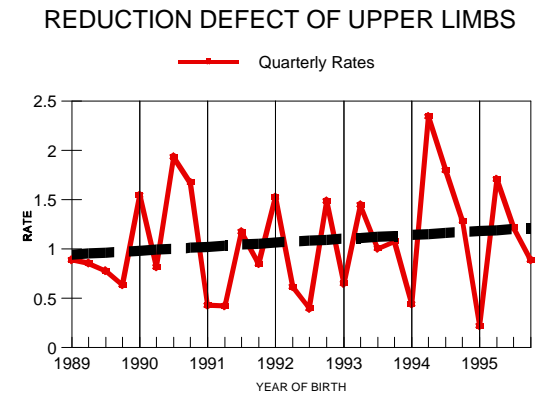
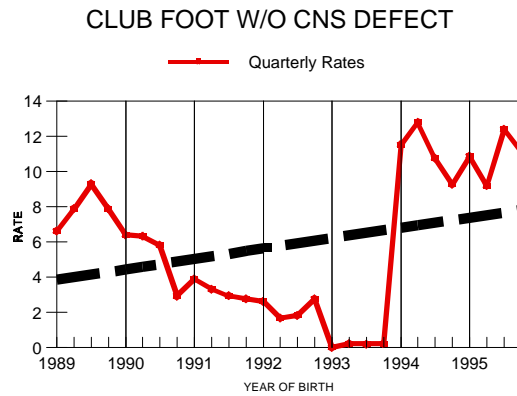
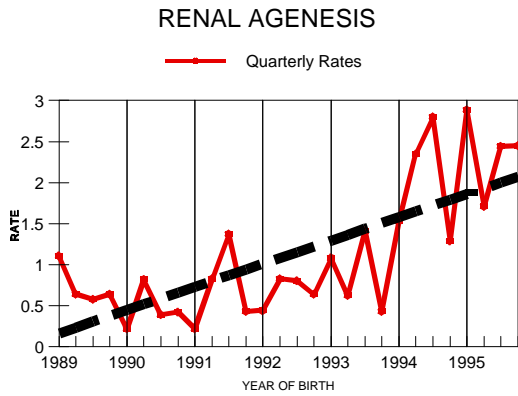
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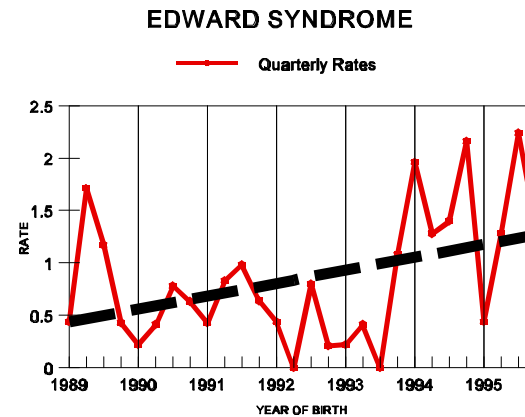
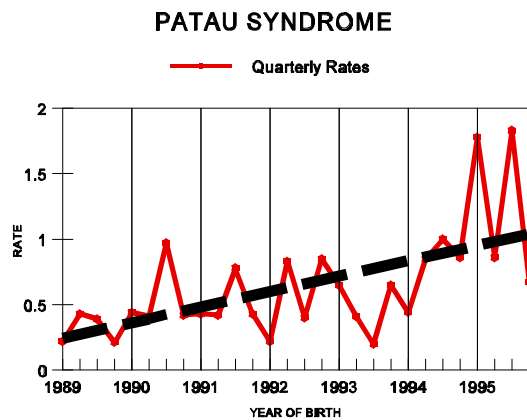
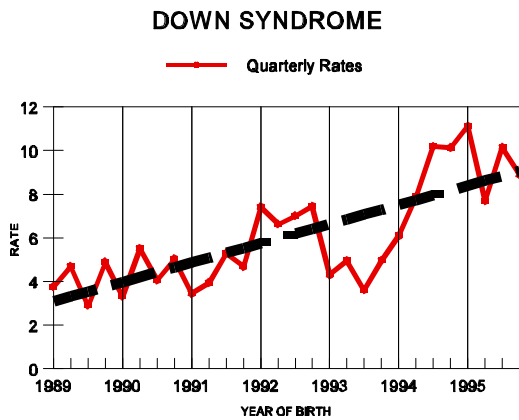
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