

Table F-1

**Summary of Dioxin-by-Covariate Interactions for
Selected Birth Defects**

a) Table Reference: 8-21[b]

Interaction: Specific Delays in Development (Categ. DIOXIN by F-AGE,
Categ. DIOXIN by C-TIME)

F-AGE/C-TIME	Exposure Category	n	Rate/ (count)	Category Contrast	Adj. Relative Risk (95% C.I.)	p-Value
≤ 30	Background	253	102.8(26)	All		0.982
≤ 4	Unknown	69	115.9(8)	U vs B	1.13(0.82,3.22)	0.782
	Low	43	116.3(5)	L vs B	1.16(0.41,3.24)	0.779
	High	79	101.3(8)	H vs B	0.96(0.41,2.21)	0.915
≤ 30	Background	71	112.7(8)	All		0.281
> 4	Unknown	12	0.0(0)	U vs B	--	--
	Low	17	58.8(1)	L vs B	0.45(0.05,4.31)	0.482
	High	34	88.2(3)	H vs B	0.80(0.18,3.49)	0.759
> 30	Background	144	62.5(9)	All		0.024
≤ 4	Unknown	44	136.4(6)	U vs B	2.79(0.89,8.73)	0.075
	Low	20	250.0(5)	L vs B	6.48(1.78,23.5)	0.004
	High	13	153.8(2)	H vs B	4.29(0.75,24.5)	0.099
> 30	Background	247	56.7(14)	All		0.512
> 4	Unknown	74	40.5(3)	U vs B	0.68(0.19,2.44)	0.548
	Low	57	105.3(6)	L vs B	1.91(0.70,5.24)	0.208
	High	54	55.6(3)	H vs B	1.02(0.28,3.74)	0.922

Table G-1

**Listing of 66 Post-SEA Children with Multiple Defects,
Physician's Narrative and Summary Diagnosis**

Child	ICD Code	Physician's Narrative	Summary Diagnosis
1	74346 7455 74689 7580	brushfield spots secundum type atrial septal defect abnormal right ventricle Down's syndrome	syndromic (chromosomal)
2	7500 7441	tongue tied skin tags on right ear	
3	7470 75249	patent ductus arteriosus fusion labium	
4	7473 7580 74560 74690	pulmonary stenosis Down's syndrome endocardial cushion defect congenital heart disease	syndromic (chromosomal)
5	74363 7500 75461 75481 75567	epicanthial folds tongue tied flat feet funnel chest out turned legs	
6	7475 75569 75732	two vessels noted in cord mild bowlegs birthmark	
7	75453 75732 75739	metatarsus abductus birthmark posterior right heel small rectal skin tags	
8	74361 74365 75433	congenital ptosis congenital stenosis right lacramonasal duct hip click bilateral	
9	7454 75461	ventricular septal defect flat feet congenital	
10	7500 75450 75569	tongue tied left foot toe-in internal tibial torsion	

Table G-1 (Continued)

Child	ICD Code	Physician's Narrative	Summary Diagnosis
11	7454 75460	small vsd ext rotation both feet	
12	74511 7455 74742 7542 75513 75617	the aortic arch is on the right atrial septal defect partial anomalous pulmonary venous return dextroscoliosis syndactly of the toes of both feet there is a spina bifida at L5	
13	7423 7424 7531 74860 7560 7564	hydrocephalus cerebral atrophy congenital multicyctic kidney right chronic congenital lung disease macrocephalia achondroplastic dwarfism	syndromic (genetic, autosomal dominant)
14	7536 74193	meatal stenosis spina bifida L3-L4	
15	75432 75739	right hip click - asymmetry thigh creases small hymenal skin tag	
16	7438 7463 7464 7515 7572 74900 75431 75559	slanted eyes aortic stenosis bicuspid aortic valve anterior placement of anus simian crease cleft palate bilateral dislocated hips clinodactyly 5th finger	
17	74346 7449 74429 75026	stellate pattern to iris facial dysmorphism protruding ears high palate	
18	7454 7563 7542 75460 74689 75567	ventricular septal defect congenital fusion left 3rd & 4th rib scoliosis pes planus right ventricular hypertrophy eversion left foot	

Table G-1 (Continued)

Child	ICD Code	Physician's Narrative	Summary Diagnosis
19	7533 75450 75461	malrotation left kidney very mild pronation of feet feet slightly flat	
20	7526 75564	hypospadias genu valgum congenital	
21	7536 75528	midurethral stricture short stubby fingers	
22	74429 75461	preauricular cyst flat feet	
23	7480 7560 74409 74900	left nostril atretic Treacher-Collins' syndrome absence ears; rudimentary, deformed, low set cleft palate	syndromic (autosomal dominant)
24	75563 75453 75732	anteversion of femur metatarsus adductus bilaterally flat link hemang's mark forehead & upper eyelid	
25	7572 75432	simian crease left hip click	
26	7525 75451 75530 75563	undescended testicle equino varus right foot one inch right leg length discrepancy developmental problem right hip	
27	7525 75432	left testicle is undescended bilateral hip click	
28	7400 7517 7532 7591	anencephalic infant gastric diverticulum with ectopic pancreatic tissue hydronephrosis bilat. hydro-ureters bilat hypoplastic adrenal glands	
29	74689 75461	congenital heart disease mild congenital pes planus	
30	7443 75450	unusual shaped ears both feet turn inward	

Table G-1 (Continued)

Child	ICD Code	Physician's Narrative	Summary Diagnosis
31	75513 75732	webbed toes small birthmark on occipital area	
32	7485 75569	sequestration bronchopulmonary intralobar RLL congenital internal tibial torsion	
33	7455 7579 7580	atrial septal defect skin infection congenital Down's syndrome	syndromic (chromosomal)
34	7542 75450 75732	5 degree scoliosis L5 pronated feet birthmark	
35	7443 7536 75489	deformity external ear urethral stenosis chest cavity deformity	
36	7536 75453 75463	urethral meatal stenosis metatarsus varus bilateral internal femoral torsion	
37	7505 75563	pyloric stenosis mild left femoral anteversion	
38	7505 75732 75739	pyloric stenosis nevus flammeus forehead skin tag beneath left breast	
39	7536 75732	meatal stenosis birthmark	
40	7454 75453 75461	ventral septal defect mild metatarsus adductus flat feet	
41	7443 7525 7526 75563 75432	right pinna deformity undescended right testicle hypospadias grade 1 right displastic hip birthmark on left hip	
42	75453 7441	slight metatarsus adductus small skin tag right pinna	

Table G-1 (Continued)

Child	ICD Code	Physician's Narrative	Summary Diagnosis
43	7455 75453 75569	atrial septal defect mild to moderate metatarsus adductus internal tibial torsion	
44	7463 7464 75451	aortic stenosis bicuspid aortic valve valgus deformity with dorsiflexion & eversion left foot	
45	7525 75566	undescended testicle right underlapping 4th digit right foot; hallux valgus	
46	74363 74900 7542 75450 7560	epicanthal folds cleft palate thoracic scoliosis to the left tarsus varus at the left foot brachycephaly obvious at the occiput	
47	7564 7572	extosis of jaw simian crease	
48	7443 7541	familial vertigo torticollis	
49	7526 7532 75567	hypospadias mild hydronephrosis right, suspected on left extra bones in feet	
50	7421 7424 7526 75530	microcephaly cerebral dysgenesis chordee which was congenital in nature externally rotated the left foot on walking	
51	7441 7534 75489 75566 75739 7575	deformity of ear stricture ureter congenital deformity right fifth finger tip deformity toe skin tags left cheek & both preauricular areas deformed toenails	
52	75563 75564 75739	anteversion of femur bowlegs skin tag genital region	

Table G-1 (Continued)

Child	ICD Code	Physician's Narrative	Summary Diagnosis
53	7454 7475 7503 75530 75989	ventricular septal defect single umbilical artery trachoesophageal fistula short leg Vater syndrome	syndromic
54	74902 75481	thick bifid uvula pectus excavatum	
55	7445 74569 7470 75482 7580	webbed neck atrioventricular septal defect patent ductus arteriosus Down's syndrome pectus carinatum	syndromic (chromosomal)
56	74602 75569	mild valvular pulmonic stenosis itt bilateral	
57	75026 7526 7580	high arched palate hypospadias Down's syndrome	syndromic (chromosomal)
58	7500 7532	tongue tied hydronephrosis ureteropelvic junction obstruction	
59	75563 7572	femoral anteversion simian crease	
60	7536 75739	meatal stenosis anomaly of skin	
61	75314 75451	polycystic kidney infantile pes equinovarus	
62	75732 7596	port wine birthmark Sturge-Weber syndrome	syndromic

Table G-1 (Continued)

Child	ICD Code	Physician's Narrative	Summary Diagnosis
63	75453 7515 75569	metatarsus adductus congenital anal fissure internal tibial torsion	
64	7454 75450	small ventricular septal defect pronated feet	
65	75242 75453	imperforate hymen metatarsus adductus	
66	7475 75563	two vessels cord mild bilateral femoral anteversion	