

**Table. Crude (cRR) risk ratios with 95% confidence intervals (CIs) for associations between child and caregiver characteristics and length of time with observed medical complexity post-diagnosis, among children with medical complexity diagnosed by 36 months of age, live births captured in Department of Defense Birth and Infant Health Research program data, 2005-2020.<sup>a</sup>**

	Length of Time with Observed Medical Complexity								
	All Children with Medical Complexity (n=81,548)		< 12 months (n=35,205)		12-24 months (n=43,233)		Died within 12 months of diagnosis date (n=3,110)		
	n	%	n	%	n	%	cRR (95% CI)	n	%
<b>Child Characteristics</b>									
Sex									
Female	33,807	41.5	15,653	44.5	16,790	38.8	1.00 (Reference)	1,364	43.9
Male	47,741	58.5	19,552	55.5	26,443	61.2	<b>1.11 (1.10-1.13)</b>	1,746	56.1
Gestational age at birth									
Non-preterm (≥ 37 weeks)	60,034	73.6	27,842	79.1	31,369	72.6	1.00 (Reference)	823	26.5
Late preterm (34 - 36 weeks)	14,724	18.1	5,812	16.5	8,263	19.1	<b>1.11 (1.09-1.13)</b>	649	20.9
Moderately preterm (32 - 33 weeks)	1,550	1.9	582	1.7	859	2.0	<b>1.13 (1.08-1.18)</b>	109	3.5
Very preterm (<32 weeks)	5,240	6.4	969	2.8	2,742	6.3	<b>1.39 (1.37-1.42)</b>	1,529	49.2
Age at diagnosis									
Neonatal period <sup>b</sup>	34,688	42.5	14,243	40.5	17,618	40.8	1.00 (Reference)	2,827	90.9
Post-neonatal up to 1 year	26,355	32.3	12,865	36.5	13,299	30.8	<b>0.92 (0.91-0.93)</b>	191	6.1
1-2 years	11,562	14.2	5,143	14.6	6,364	14.7	1.00 (0.98-1.02)	55	1.8
2-3 years	8,943	11.0	2,954	8.4	5,952	13.8	<b>1.21 (1.19-1.23)</b>	37	1.2
<b>Birth Parent Characteristics<sup>c</sup></b>									
Age									
<25	31,479	38.6	14,311	40.7	15,807	36.6	1.00 (Reference)	1,361	43.8
25-29	21,774	26.7	9,346	26.6	11,708	27.1	<b>1.06 (1.04-1.08)</b>	720	23.2
30-34	18,297	22.4	7,643	21.7	10,049	23.2	<b>1.08 (1.06-1.10)</b>	605	19.5
35+	9,998	12.3	3,905	11.1	5,669	13.1	<b>1.13 (1.11-1.15)</b>	424	13.6
Beneficiary status									
Dependent	68,079	83.5	29,350	83.4	36,217	83.8	1.00 (Reference)	2,512	80.8
Sponsor	13,469	16.5	5,855	16.6	7,016	16.2	0.99 (0.97-1.00)	598	19.2
Marital Status <sup>d</sup>									
Married	74,456	91.3	32,145	91.3	39,582	91.6	1.00 (Reference)	2,729	87.8
Unmarried	7,045	8.6	3,047	8.7	3,622	8.4	0.98 (0.96-1.01)	376	12.1
<b>Military Service Member (Sponsor) Characteristics<sup>c</sup></b>									
Education <sup>d</sup>									
Bachelor's degree or greater	16,188	19.9	6,895	19.6	8,802	20.4	<b>1.03 (1.01-1.04)</b>	491	15.8
Less than Bachelor's degree	60,944	74.7	26,594	75.5	31,887	73.8	1.00 (Reference)	2,463	79.2
Military component <sup>d</sup>									
Active duty	69,785	85.6	30,507	86.7	36,669	84.8	1.00 (Reference)	2,609	83.9
Reserve/Guard	8,684	10.7	3,528	10.0	4,768	11.0	<b>1.05 (1.03-1.07)</b>	388	12.5
Race and ethnicity									
American Indian and Alaska Native	907	1.1	416	1.2	467	1.1	0.95 (0.89-1.01)	24	0.8
Asian	2,147	2.6	1,006	2.9	1,071	2.5	<b>0.93 (0.89-0.97)</b>	70	2.3
Black or African American	12,354	15.2	5,374	15.3	6,272	14.5	<b>0.97 (0.95-0.98)</b>	708	22.8
Hispanic	9,606	11.8	4,160	11.8	5,103	11.8	0.99 (0.97-1.01)	343	11.0
More than one race	1,882	2.3	832	2.4	966	2.2	0.96 (0.92-1.01)	84	2.7
Native Hawaiian or Pacific Islander	567	0.7	268	0.8	275	0.6	<b>0.91 (0.84-0.99)</b>	24	0.8
White	51,645	63.3	22,096	62.8	27,789	64.3	1.00 (Reference)	1,760	56.6
Not reported or classified	2,440	3.0	1,053	3.0	1,290	3.0	0.99 (0.95-1.03)	97	3.1
Sponsor service branch <sup>d</sup>									
Air Force	18,969	23.3	8,390	23.8	9,969	23.1	1.00 (0.98-1.01)	610	19.6
Army	35,240	43.2	15,334	43.6	18,400	42.6	1.00 (Reference)	1,506	48.4
Coast Guard	2,219	2.7	964	2.7	1,211	2.8	1.02 (0.98-1.06)	44	1.4
Marines Corps	8,782	10.8	3,850	10.9	4,574	10.6	1.00 (0.97-1.02)	358	11.5
Navy	16,084	19.7	6,562	18.6	8,940	20.7	<b>1.06 (1.04-1.08)</b>	582	18.7

Abbreviations: cRR, crude risk ratio; CI, confidence interval

<sup>a</sup> Largest group of each characteristic was used as reference group.

<sup>b</sup> The neonatal period is the first 28 days after birth or the end of the birth hospitalization, if birth hospitalization exceeds 28 days.

<sup>c</sup> Maternal and sponsor characteristics were captured at infant month of birth from administrative data; birthing parents and sponsors with multiple children included in the study were measured repeatedly.

<sup>d</sup> Associations for Other/Unknown strata were not reported for marital status (n=47), education (n=4416), military component (n=3079), and service branch (n=44).