

## Supplemental Online Content

Guare EG, Zhao R, Ssentongo P, Batra EK, Chinchilli VM, Paules CI. Rates of sudden unexpected infant death before and during the COVID-19 pandemic. *JAMA Netw Open*. 2024;7(9):e2435722. doi:10.1001/jamanetworkopen.2024.35722

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This supplemental material has been provided by the authors to give readers additional information about their work.

**eTable 1. Summary Demographic Information of 14 308 Sudden Unexpected Infant Death (SUID) Cases, 2018-2021**

	2018	2019	2020	2021 <sup>a</sup>	Total
<b>Total SUID</b>	3571	3493	3482	3762	14308
<b>Sex, n (%)</b>					
Female	1471 (41)	1462 (42)	1494 (43)	1624 (43)	6051 (42)
Male	2100 (59)	2031 (58)	1988 (57)	2138 (57)	8257 (58)
<b>Race/ethnicity, n (%)</b>					
White	2076 (58)	1970 (56)	1914 (55)	NA	
Black	1305 (37)	1339 (38)	1424 (41)	NA	
American Indian/Alaska Native	91 (2.5)	98 (2.8)	79 (2.3)	NA	
Asian	99 (2.8)	86 (2.5)	65 (1.9)	NA	

a: Race/ethnicity data missing for 2021.

Abbreviations: NA not applicable

**eTable 2. Distribution of Sudden Unexpected Infant Death (SUID) Cases and Adjusted Rate per 100 000 Live Births by Month, 2018-2021**

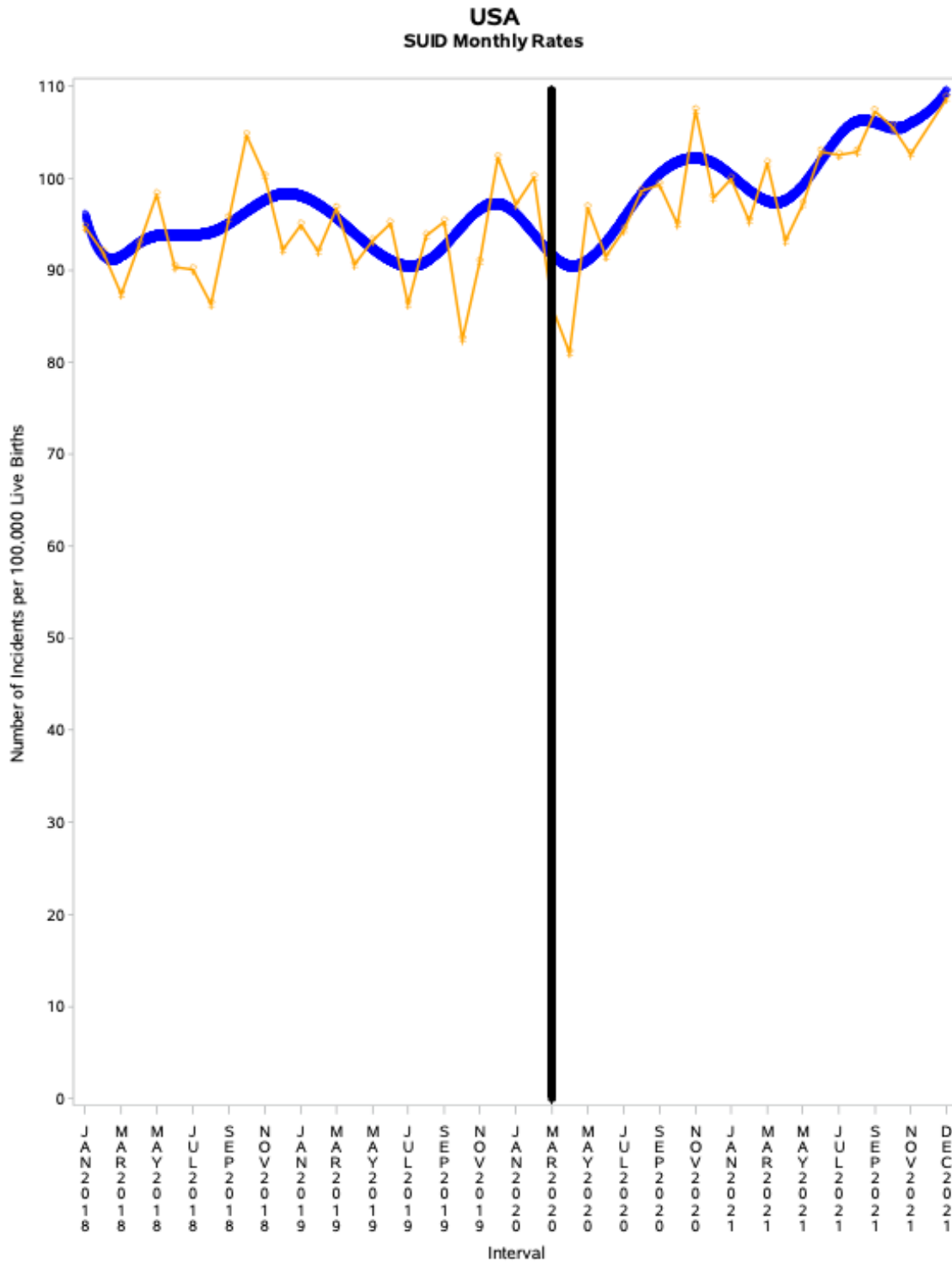
	2018	2019	2020	2021
<b>January</b>	308 (95.6)	303 (95.2)	298 (97.4)	313 (100.6)
<b>February</b>	271 (93.2)	265 (92.2)	293 (102.3)	271 (96.4)
<b>March</b>	283 (87.9)	309 (97.1)	265 (86.6)	319 (102.5)
<b>April</b>	292 (93.7)	281 (91.2)	243 (82.0)	288 (95.6)
<b>May</b>	317 (98.4)	398 (93.6)	299 (97.7)	308 (99.0)
<b>June</b>	282 (90.5)	296 (96.1)	273 (92.2)	313 (103.9)
<b>July</b>	290 (90.1)	276 (86.7)	291 (95.1)	321 (103.1)
<b>August</b>	279 (86.6)	299 (93.9)	304 (99.3)	320 (102.8)
<b>September</b>	300 (96.3)	294 (95.4)	298 (100.6)	325 (107.9)
<b>October</b>	338 (105.0)	264 (82.9)	294 (96.1)	332 (106.7)
<b>November</b>	312 (100.1)	281 (91.2)	322 (108.7)	311 (103.3)
<b>December</b>	299 (92.8)	327 (102.7)	302 (98.7)	341 (109.6)

Cases (adjusted rate per 100,000)

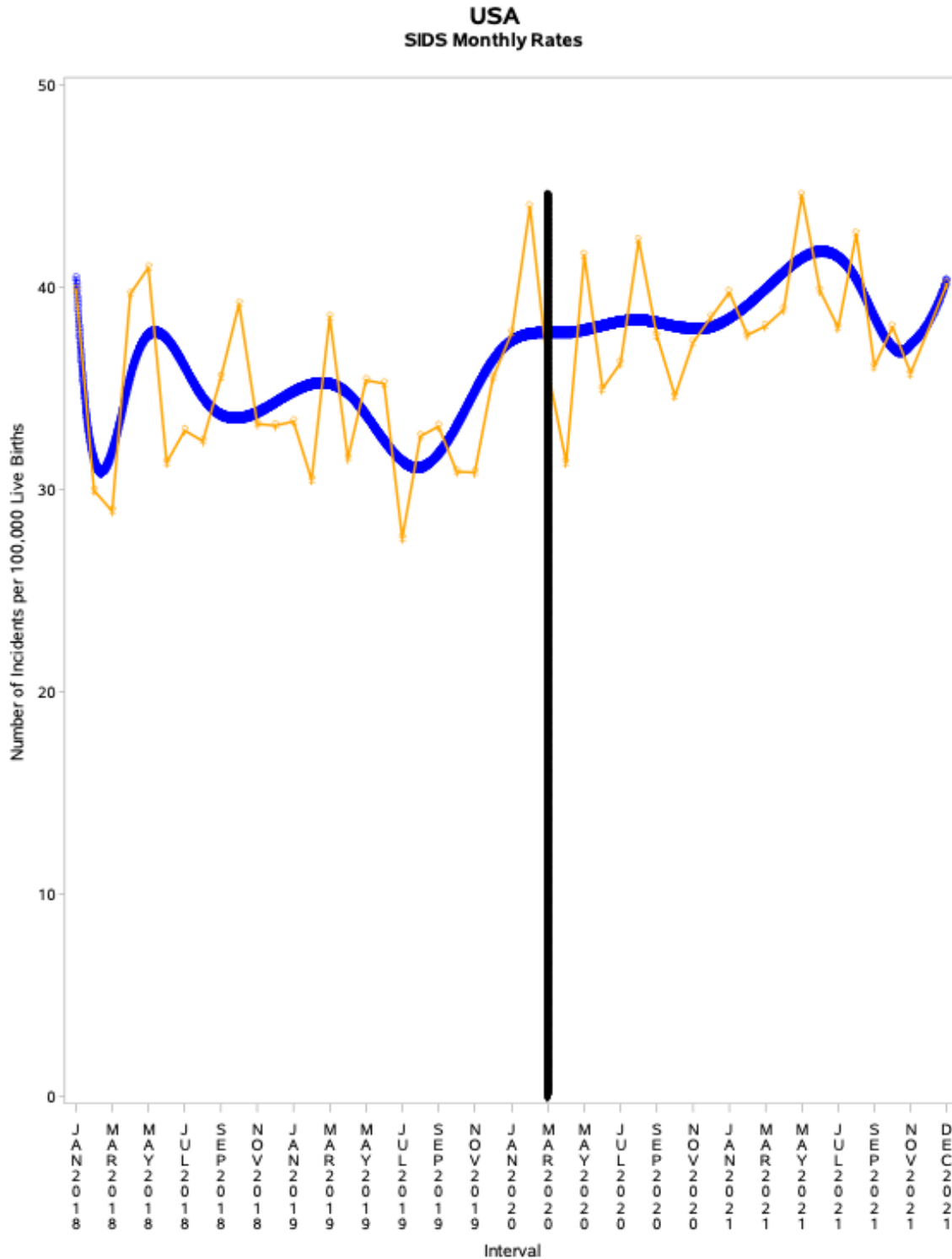
**eTable 3. Distribution of Sudden Infant Death Syndrome (SIDS) Cases and Adjusted Rate per 100 000 Live Births by Month, 2018-2021**

	2018	2019	2020	2021
<b>January</b>	131 (40.7)	107 (33.6)	117 (38.2)	124 (39.8)
<b>February</b>	89 (30.6)	88 (30.6)	129 (45.1)	108 (38.4)
<b>March</b>	95 (29.5)	123 (38.6)	112 (36.6)	120 (38.6)
<b>April</b>	125 (40.1)	99 (32.1)	95 (32.1)	120 (39.8)
<b>May</b>	133 (41.3)	114 (35.8)	129 (42.1)	142 (45.6)
<b>June</b>	99 (31.8)	111 (36.0)	105 (35.4)	122 (40.5)
<b>July</b>	107 (33.2)	88 (27.6)	114 (37.2)	121 (38.9)
<b>August</b>	106 (32.9)	105 (33.0)	132 (43.1)	135 (43.4)
<b>September</b>	112 (35.9)	102 (33.1)	114 (38.5)	111 (36.9)
<b>October</b>	126 (39.1)	100 (31.4)	108 (35.3)	120 (38.6)
<b>November</b>	103 (33.1)	96 (31.2)	114 (38.5)	111 (36.5)
<b>December</b>	108 (33.5)	115 (36.1)	120 (39.4)	126 (40.5)

Cases (adjusted rate per 100,000)



**eFigure 1. Monthly Sudden Unexpected Infant Death (SUID) From January 2018 to December 2021.** The orange line represents monthly SUID cases per 100,000 live births. The blue line represents model-based estimated monthly SUID cases per 100,000 live births. The vertical black line shows March 2020, or the beginning of the pandemic period.



**eFigure 2. Monthly Sudden Infant Death Syndrome (SIDS) From January 2018 to December 2021.** The orange line represents monthly SIDS cases per 100,000 live births. The blue line represents model-based estimated monthly SIDS cases per 100,000 live births. The vertical black line shows March 2020, or the beginning of the pandemic period.

**eTable 4. Intensity Ratios (IRs) of Sudden Unexpected Infant Death (SUID) in March 2020 to December 2020 Compared With 2018 and 2019**

Month	Intensity Ratio	Standard Deviation	Lower Bound	Upper Bound	P-value
March	0.98	0.01	0.96	1.00	0.96
April	0.97	0.01	0.95	1.00	0.99
May	0.98	0.01	0.96	1.01	0.93
June	1.01	0.01	0.99	1.03	0.18
July	1.04	0.01	1.02	1.06	<0.001
August	1.06	0.01	1.04	1.09	<0.001
September	1.07	0.01	1.05	1.10	<0.001
October	1.07	0.01	1.04	1.09	<0.001
November	1.05	0.01	1.03	1.08	<0.001
December	1.04	0.01	1.02	1.07	0.001
Overall	1.03	0.01	1.01	1.04	<0.001

**eTable 5. Intensity Ratios (IRs) of Sudden Infant Death Syndrome (SIDS) in March 2020 to December 2020 Compared With 2018 and 2019**

Month	Intensity Ratio	Standard Deviation	Lower Bound	Upper Bound	P-value
March	1.11	0.02	1.07	1.15	<0.001
April	1.06	0.02	1.02	1.10	<0.001
May	1.05	0.02	1.01	1.09	0.003
June	1.07	0.02	1.04	1.11	<0.001
July	1.12	0.02	1.08	1.16	<0.001
August	1.15	0.02	1.10	1.19	<0.001
September	1.15	0.02	1.10	1.19	<0.001
October	1.12	0.02	1.08	1.15	<0.001
November	1.08	0.02	1.04	1.12	<0.001
December	1.05	0.02	1.01	1.09	0.003
Overall	1.09	0.01	1.07	1.12	<0.001

**eTable 6. Intensity Ratios (IRs) of Sudden Unexpected Infant Death (SUID) in January 2021 to December 2021 Compared With 2018 and 2019**

Month	Intensity Ratio	Standard Deviation	Lower Bound	Upper Bound	P-value
January	1.04	0.01	1.01	1.06	0.005
February	1.05	0.01	1.03	1.07	<0.001
March	1.05	0.01	1.02	1.07	<0.001
April	1.05	0.01	1.03	1.08	<0.001
May	1.08	0.01	1.05	1.10	<0.001
June	1.11	0.01	1.08	1.13	<0.001
July	1.13	0.01	1.11	1.16	<0.001
August	1.14	0.01	1.12	1.17	<0.001
September	1.13	0.01	1.11	1.16	<0.001
October	1.11	0.01	1.08	1.14	<0.001
November	1.10	0.01	1.07	1.12	<0.001
December	1.12	0.02	1.08	1.16	<0.001
Overall	1.09	0.01	1.08	1.10	<0.001

**eTable 7. Intensity Ratios (IRs) of Sudden Infant Death Syndrome (SIDS) in January 2021 to December 2021 Compared With 2018 and 2019**

Month	Intensity Ratio	Standard Deviation	Lower Bound	Upper Bound	P-value
January	1.06	0.02	1.02	1.10	<0.001
February	1.13	0.02	1.09	1.18	<0.001
March	1.15	0.02	1.10	1.19	<0.001
April	1.11	0.02	1.07	1.16	<0.001
May	1.12	0.02	1.08	1.16	<0.001
June	1.15	0.02	1.11	1.19	<0.001
July	1.18	0.02	1.13	1.22	<0.001
August	1.17	0.02	1.13	1.22	<0.001
September	1.12	0.02	1.08	1.16	<0.001
October	1.05	0.02	1.01	1.10	0.002
November	1.03	0.02	0.98	1.07	0.12
December	1.08	0.03	1.02	1.14	<0.001
Overall	1.10	0.01	1.08	1.13	<0.001