	Monitoring Data Quality in the National Fatalit	y Review-Cas	e Reporting	g System		
	Appendix A					
	https://www.ncfrp.org/data/data	i-quality-initia	<u>ntive/</u>			
Percent c	hange in missing/unknown for all priority variables					
	NFR-CRS Data Quality Priority Variables		All States 2014		es 2018	
			Unknown	Missing &	Unknown	
Var	iables highlighted in <b>ORANGE</b> are designated CORE variables	Ν	%	Ν	%	% Change
	Section A: Child Inform	nation				
A4	Child's age	27	0.2	16	0.2	0.0%
A5	Child's race	617	4.9	547	4.8	-2.0%
A6	Hispanic or Latino origin	1148	9.2	997	8.7	-5.4%
A7	Child's sex	126	1.0	87	0.8	-20.0%
A13	Child had disability or chronic illness	4913	39.2	3009	26.3	-32.9%
A15	Child's health insurance	7565	60.4	6200	54.0	-10.6%
Child ever	left hospital					
A22	Child had history of maltreatment as victim	6374	50.8	3751	40.0	-21.3%
A23	Was there an open CPS case with child at time of death	4404	35.2	2783	29.7	-15.6%
Non-infant	t, ever left the hospital					
A30	Child's mental health: Had received services	3110	24.9	2499	44.9	80.3%
A31	Child's mental health: Was receiving services	3174	25.3	2609	46.9	85.4%
A32	Child's mental health: On meds for MH issue	3200	25.6	2649	47.6	85.9%
A35	Child's mental health: Issues prevented rcv srvcs	3396	27.1	2881	51.8	91.1%
Infants						
A43	Gestational age	1182	17.0	1079	18.3	7.6%
A44	Birth weight	1520	21.8	1461	24.8	13.8%
A45	Multiple birth	1415	20.3	941	15.9	-21.7%
A49	Prenatal care provided during pregnancy of deceased infant	2277	32.6	1625	27.5	-15.6%
A61	Did mother smoke at any time during pregnancy	2751	39.4	1963	33.2	-15.7%
	Section C: Primary Caregiver	Information				
All						
C1	Primary caregiver (CG) 1 (relationship to decedent)	2314	18.5	1579	13.8	-25.4%
C2	CG1 age in years	4642	37.0	4194	36.5	-1.4%
C3	CG1 sex	2755	22.0	1712	14.9	-32.3%

	NFR-CRS Data Quality Priority Variables		es 2014	All States 2018		
	NFR-CRS Data Quality Priority Variables	Missing &	Unknown	Missing &	Unknown	
Vari	ables highlighted in <b>ORANGE</b> are designated CORE variables	Ν	%	Ν	%	% Change
	Section D: Supervisor Info	rmation				
Child ever	left hospital					
D1	Did child have supervision at time of incident	2899	23.1	1742	18.6	-19.5%
Child super	rvised not equal "no" and ever left hospital					
D4	Person responsible for supervision, relationship to decedent	2962	28.4	1692	23.4	-17.6%
Child ever	eft hospital and not hospital or institutional staff					
D5	Supervisor age in years	6536	62.7	2988	44.4	-29.2%
D6	Supervisor sex	5585	53.7	1751	26.1	-51.4%
Child ever	eft hospital and not hospital or institutional staff (v5)					
D15	At time of incident was supervisor asleep (v5/v5.1 only)	NA	NA	2033	32.4	NA
Child ever	eft hospital and not hospital or institutional staff					
D16	Was supervisor impaired at time of incident	4577	43.9	3024	45.0	2.5%
Child ever	left hospital					
	Section E: Incident Inform	nation				
E3	Place of incident	2488	19.9	1136	12.1	-39.2%
E11	Had child used drugs or alcohol	3928	31.4	2428	25.9	-17.5%
	Section F: Investigation Info	ormation				
Death inve	stigation performed					
F1	Was a death scene investigation performed	4160	33.2	857	13.5	-59.3%
All						
F3	Death referred to ME/C	2192	17.5	1436	12.5	-28.6%
F5	Autopsy Performed	2326	18.6	817	7.1	-61.8%
F13	CPS record check conducted	4556	36.4	3259	28.4	-21.9%
F15	CPS action taken	4452	35.5	3410	29.8	-16.1%
	Section G: Official Manner and Prima	ary Cause of D	Death			
G5	Official manner of death from death certificate	493	3.9	276	2.5	-35.9%
G6	Primary cause of death	864	6.9	951	8.2	18.8%
	Section H: Detailed Information by	Cause of Dea	ath			
	H1: Motor Vehicle and Other	Transport				
H1a	Child's vehicle type	178	14.8	93	8.9	-39.9%
H1b	Position of child	105	8.8	58	5.5	-37.5%

	All State	s 2014	All States 2018		
NFR-CRS Data Quality Priority Variables	Missing &	Unknown	Missing &	Unknown	
Variables highlighted in ORANGE are designated CORE variables	Ν	%	Ν	%	% Change
H1c Causes of incident	236	19.7	167	15.9	-19.3%
Motor Vehicle and Other Transport - child as driver					
H1g Driver age and circumstances (child as driver)	50	17.4	28	10.8	-37.9%
Motor Vehicle and Other Transport					
H1i Protective measures for child (any check in column 1-5)	569	47.6	495	47.1	-1.1%
H2: Fire, Burn or Electroc	ution				
H2a (F/B/E) Source	70	38.7	70	37.8	-2.3%
H2b Type of incident	12	6.6	3	1.6	-75.8%
Fire, Burn or Electrocution - number of fire deaths					
H2p Smoke alarms present (fire deaths only)	74	50.0	73	43.2	-13.6%
Fire, Burn or Electrocution - number of electrocution deaths					
H2s Electrocution cause	0	0.0	2	28.6	NA
H3: Drowning					
H3d Drowning location	41	8.7	17	3.5	-59.8%
Drawing location = Open water					
H3e Open water place	2	1.3	2	1.4	7.7%
Drowning location = Pool					
H3i Pool type	33	16.8	27	11.5	-31.5%
Drowning location = Open water or pool					
H3m Floatation device used	44	12.7	51	13.6	7.1%
Drowning location = various locations					
H3n What barriers existed	82	21.5	105	25.8	20.0%
H3t Local ordinance	189	49.4	192	47.0	-4.9%
H3v Child able to swim	110	28.8	118	28.9	0.3%
Drowning location = all locations except toilet					
H3x Warning sign posted	212	45.1	182	37.0	-18.0%
H4: Unintentional Asph	ухіа				
H4a Type of event	61	4.7	19	1.9	-59.6%
Type of event = suffocation					
H4b Action causing suffocation	4	0.5	3	0.4	-20.0%
Type of event = strangulation					

	NED CDC Data Quality Driavity Variables	All State	es 2014	All State	es 2018	
	NFR-CRS Data Quality Priority Variables	Missing &	Unknown	Missing &	Unknown	
Vari	iables highlighted in ORANGE are designated CORE variables	Ν	%	Ν	%	% Change
H4c	Object causing strangulation event	24	7.5	0	0.0	-100.0%
Type of eve	ent = choking					
H4d	Object causing choking event	1	2.6	0	0.0	-100.0%
Type of eve	ent = all					
H4f	Choking game	155	11.8	58	5.9	-50.1%
	H5: Assault, Weapon, Including Per	son's Body Pa	art			
H5a	Type of weapon	67	7.3	79	5.5	-24.7%
Type of we	eapon = gun					
H5b	Firearm type	111	17.5	180	20.4	16.6%
Type of we	eapon = all					
H5o	Persons handling weapon	238	26.2	309	21.5	-17.8%
H5q	Use of weapon	223	24.5	300	20.9	-14.7%
	H6: Fall or Crush				-	
H6a	Type (fall/crush)	3	2.9	2	2.9	0.0%
	H7: Poisoning, Overdose, or Acut	e Intoxicatior	า			
H7a	Type of substance	17	6.9	16	6.5	-5.8%
H7f	Incident result of	56	22.9	42	17.3	-24.5%
	H8: Medical conditio	n				
H8b	Death expected as a result of this condition	2804	47.6	1747	38.2	-19.7%
H8c	Receiving care for condition	2149	36.5	1158	25.3	-30.7%
	Section I: Other Circumstances	of Incident				
	12: Death Related to Sleeping or Slee	ping Environr	nent			
12	Was death related to sleeping/sleep environ (< 5yo)	1927	22.5	1025	13.9	-38.2%
Sleep-Rela	ted Death					
I2a	Incident sleep place (Sleep env=yes)	49	2.4	56	2.7	12.5%
I2b	Put to sleep on	439	20.9	384	18.5	-11.5%
l2c	Child found	437	20.8	374	18.1	-13.0%
I2d	Usual sleep place	762	36.2	652	31.4	-13.3%
l2e	Usual sleep position	983	46.7	850	41.0	-12.2%
I2f	Bassinette/port-a-crib in home	618	29.4	565	27.3	-7.1%
I2h	Pacifier	881	41.8	650	31.3	-25.1%

	NFR-CRS Data Quality Priority Variables		es 2014	All State		
	NFR-CRS Data Quality Priority Variables	Missing &	Unknown	Missing & Unknown		
Var	iables highlighted in ORANGE are designated CORE variables	N	%	Ν	%	% Change
I2i	Swaddled	661	31.4	564	27.2	-13.4%
I2k	Child exposed to 2nd hand smoke	966	45.9	742	35.8	-22.0%
121	Child face when found	646	30.7	594	28.7	-6.5%
120	Objects in the child's sleep environment	117	5.6	124	6.0	7.1%
l2q	CG fell asleep while feeding child	272	12.9	201	9.7	-24.8%
l2r	Child sleeping in same room with CG	243	11.5	199	9.6	-16.5%
I2s	Child sleeping on same surface with person(s) or animal(s)	171	8.2	133	6.4	-22.0%
	Section I5: Child Abuse, Neglect, Poor Supervisi	on and Expos	ure to Hazar	ds		
I5a	Did abuse, neglect, poor supervision, expos to hazards					
	cause/contribute to death***	3744	29.9	2355	20.5	-31.4%
CAN sectio	on marked Yes					
I5a	What act caused/contributed (yes/probable)	97	2.7	18	0.6	-77.8%
CAN sectio	on marked Child Abuse					
I5b	Child abuse type	3	1.1	18	5.8	427.3%
Type of ab	use = Abusive head trauma					
I5d	Was child shaken	78	48.8	94	54.6	11.9%
CAN sectio	on marked Child Neglect					
I5f	Child neglect, type	12	3.2	8	1.9	-40.6%
	Section J: Person Respon	nsible				
J1	Did a person cause or contribute to child's death	NA	NA	2425	21.2	NA
J5	Person responsible: Relationship to child	719	20.2	672	18.4	-8.9%
J6	Person responsible: Age	1187	33.3	1127	30.8	-7.5%
J7	Person responsible: Sex	763	21.5	685	18.7	-13.0%
	Section L: Findings Identified Dur	ing the Revie	w			
All						
L5	Could death have been prevented	3160	25.2	2334	20.3	-19.4%
	Section M: The Review P	rocess				
M3	Is CDR complete	3007	24.0	1681	14.6	-39.2%
	Section P: Form Comple	eted				
Р	Data entry completed for this case	2902	23.2	1539	13.4	-42.2%
Р	Data Quality Assurance completed by state	10143	81.0	8417	73.3	-9.5%

	NED CDS Data Quality Driarity Variables	All States 2014 Missing & Unknown			All Sta		
	NFR-CRS Data Quality Priority Variables				Missing		
Vai	riables highlighted in ORANGE are designated CORE variables	N		%	N	%	% Change
* Data do	ownload date = 22 July 2020; deaths only (casetype=1)						
Reflects V	/ersion 5.1 question numbering/order						
***2014 v	was not an exact crosswalk						
NOTE:	NOTE: Data on eight suicide priority variables are not reported above due to reporting changes in Version 5.1						

	Monitoring Data Quality in the	National Fata	lity Review	-Case Report	ing System	1				
	Appendix B									
	<u>https://www.ncf</u>	rp.org/data/da	ata-quality-i	<u>nitiative/</u>						
Percent (	Change for CORE Priority Variables and Number of States N	leeting Each	Benchmarl	K						
			ortion of Missing/Unknown Responses			er of State Benchma	Benchmark			
		2014	2018		2014	2018		% Missing		
		%	%	% Chg	Count	Count	Unknown			
A4	Child's age	0.2	0.2	0.0%	35	30	-5	10		
A5	Child's race	4.9	4.8	-2.0%	33	33	0	10		
A7	Child's sex	1.0	0.8	-20.0%	34	29	-5	10		
A15	Child's health insurance	60.4	54.0	-10.6%	5	21	16	25		
A22	Child had history of maltreatment as victim	50.8	40.0	-21.3%	11	24	13	25		
A23	Was there an open CPS case with child at time of death	35.2	29.7	-15.6%	18	19	1	25		
A49	Prenatal care provided during pregnancy	32.6	27.5	-15.6%	15	22	7	25		
C1	Primary caregiver (CG) 1 (relationship to decedent)	18.5	13.8	-25.4%	22	24	2	10		
C2	CG1 age in years	37.0	36.5	-1.4%	16	11	-5	25		
C3	CG1 sex	22.0	14.9	-32.3%	20	21	1	10		
D1	Did child have supervision at time of incident	23.1	18.6	-19.5%	18	18	0	10		
D5	Supervisor age in years	62.7	44.4	-29.2%	10	13	3	25		
D6	Supervisor sex	53.7	26.1	-51.4%	14	28	14	25		
D15	At time of incident was supervisor asleep (v5/v5.1 only)	NA	32.4	NA	NA	24	NA	25		
D16	Was supervisor impaired at time of incident	43.9	45.0	2.5%	12	10	-2	25		
E3	Place of incident	19.9	12.1	-39.2%	20	27	7	10		
F1	Was a death scene investigation performed	33.2	13.5	-59.3%	20	30	10	10		
F5	Autopsy Performed	18.6	7.1	-61.8%	20	27	7	10		
F15	CPS action taken	35.5	29.8	-16.1%	20	22	2	25		
H1a	Child's vehicle type	14.8	8.9	-39.9%	17	27	10	10		
H1b	Position of child	8.8	5.5	-37.5%	29	30	1	10		
H1c	Causes of incident	19.7	15.9	-19.3%	15	20	5	10		
H1i	Protective measures for child (any check in column 1-5)	47.6	47.1	-1.1%	8	7	-1	25		
H2a	(F/B/E) Source	38.7	37.8	-2.3%	19	21	2	25		
H2b	Type of incident	6.6	1.6	-75.8%	28	33	5	10		

48 CORE variables		Proportion	of Missing, Responses	/Unknown	Numbe	er of State Benchma	Benchmark	
		2014	2018		2014	2018		% Missing
		%	%	% Chg	Count	Count	Difference	Unknown
H2p	Smoke alarms present (fire deaths only)	50.0	43.2	-13.6%	19	35	16	25
H3d	Drowning location	8.7	3.5	-59.8%	27	31	4	10
H3m	Floatation device used	12.7	13.6	7.1%	20	23	3	10
H3n	What barriers existed	21.5	25.8	20.0%	13	17	4	10
H4a	Type of event	4.7	1.9	-59.6%	30	33	3	10
H4b	Action causing suffocation	0.5	0.4	-20.0%	35	35	0	10
H4c	Object causing strangulation event	7.5	0.0	-100.0%	30	35	5	10
H5a	Type of weapon	7.3	5.5	-24.7%	26	30	4	10
H5b	Firearm type	17.5	20.4	16.6%	21	20	-1	10
H5o	Persons handling weapon	26.2	21.5	-17.8%	14	20	6	10
H5q	Use of weapon	24.5	20.9	-14.7%	12	14	2	10
H7a	Type of substance	6.9	6.5	-5.8%	28	33	5	10
H8b	Death expected as a result of this condition	47.6	38.2	-19.7%	9	21	12	25
12	Was death related to sleeping/sleep environ (< 5yo)	22.5	13.9	-38.2%	14	18	4	10
l2a	Incident sleep place (Sleep env=yes)	2.4	2.7	12.5%	30	34	4	10
I2f	Bassinette/port-a-crib in home	29.4	27.3	-7.1%	16	18	2	25
l2o	Objects in the child's sleep environment	5.6	6.0	7.1%	24	29	5	10
I2s	Child sleeping on same surface with person(s) or animal(s)	8.2	6.4	-22.0%	23	30	7	10
I5a	Did abuse, neglect, poor supervision, expos to hazards cause/contribute to death	29.9	20.5	-31.4%	8	12	4	10
I5a	What act caused/contributed (yes/probable)	2.7	0.6	-77.8%	30	34	4	10
L5	Could death have been prevented	25.2	20.3	-19.4%	23	24	1	10
P	Data entry completed for this case	23.2	13.4	-42.2%	13	18	5	10
P	Data Quality Assurance completed by state	81.0	73.3	-9.5%	5	9	4	25
Average		24.6	19.9	-19.1%	20	24	4	NA
-	with more than 30 deaths in 2014 and 2018							