

Online supplementary material**Tables**

Variable	Data Coding
Skeletal Survey date	Date
Age	Weeks
Sex	Male/Female
Ante-/Post-Mortem	A/P
Skeletal Survey Normal or Abnormal	N/A
Number Rib Fractures	Number
Number Leg Fractures	Number
Number Clavicular Fractures	Number
Number Skull Fractures	Number
Number Other Fractures	Number
Intracranial Haemorrhage	Y/N
Hypoxic Ischaemic Injury	Y/N

Supplementary table 1. Data collected following skeletal survey report review for central coding and collation.

	Normal	Abnormal	Age Mean (weeks)	Age Median (weeks)	Male	% Male	% Abnormal*
Jan-18	57	17	37.80	26.00	38	51.35	22.97
Feb-18	39	26	41.11	27.57	42	64.62	40.00
Mar-18	34	24	59.91	30.86	36	62.07	41.38
Apr-18	31	22	46.05	28.00	34	64.15	41.51
May-18	36	21	39.93	17.00	29	50.88	36.84
Jun-18	31	14	28.63	20.14	27	60.00	31.11
Jul-18	37	15	39.66	16.93	30	57.69	28.85
Aug-18	32	22	45.85	17.64	31	57.41	40.74
Sep-18	30	17	42.56	20.00	28	59.57	36.17
Oct-18	41	22	52.99	23.00	38	60.32	34.92
Nov-18	20	15	28.40	26.00	20	57.14	42.86
Dec-18	24	27	50.95	32.29	33	64.71	52.94
Jan-19	23	14	29.53	22.00	20	54.05	37.84
Feb-19	22	14	59.79	40.50	22	61.11	38.89
Mar-19	36	20	35.22	32.57	30	53.57	35.71
Apr-19	33	21	39.31	18.57	34	62.96	38.89
May-19	23	14	51.96	28.93	20	54.05	37.84
Jun-19	30	18	38.02	29.93	24	50.00	37.50
Jul-19	34	17	33.62	26.00	33	64.71	33.33

Aug-19	30	12	36.00	23.93	18	42.86	28.57
Sep-19	20	20	32.60	20.36	27	67.50	50.00
Oct-19	38	22	28.08	24.21	37	61.67	36.67
Nov-19	26	20	61.31	36.00	22	47.83	43.48
Dec-19	33	19	35.16	26.86	34	65.38	36.54
Jan-20	43	17	39.58	27.29	38	63.33	28.33
Feb-20	33	22	37.71	22.71	31	56.36	40.00
Mar-20	24	23	37.90	18.86	29	61.70	48.94
Apr-20	26	21	24.19	21.29	29	61.70	44.68
May-20	28	17	56.31	28.00	20	44.44	37.78
Jun-20	47	24	41.50	23.00	36	50.70	33.80

Supplementary table 2. Characteristics of patients presenting for a skeletal survey across all units by month of initial skeletal survey.

Figures

Supplementary figure 1. Comparison of the absolute numbers of live versus postmortem skeletal surveys undertaken from January 2018-July 2020 inclusive.

Supplementary figure 2. Time series demonstrating the total number of skeletal surveys (SKS) over time with segmented trend pre- and post-lockdown implementation.

Supplementary figure 3. Time series demonstrating rate of postmortem skeletal surveys (SKS) imaging over time with segmented trend both pre- and post-lockdown implementation.

Supplementary figure 4. Time series demonstrating the rate of fracture per child over time with segmented trend both pre- and post-lockdown implementation.

Supplementary figure 5. Time series demonstrating the total number of fractures identified over time with segmented trend both pre- and post-lockdown implementation.