

## Online supplemental information 4.

### Other indicators from the measurement plan across the same duration

This data included women <40 years old having fresh ICSI cycles (all semen sample types were included, as were ICSI/IVF spit cases where ICSI embryos were transferred, both cleavage and blastocyst stage embryo transfers included)

Date range	25 case period	ICSI Implantation rate	ICSI damage rate	ICSI normal fertilisation rate	Proportion of MII oocytes at ICSI	Average number of eggs collected for ICSI cases	Average maternal age ICSI cases
Jan- March 2017	1	25.58%	6.11%	69.87%	85.13%	10.76	33.16
April-May 2017	2	24.39%	5.67%	64.37%	86.06%	11.48	31.64
June-July 2017	3	33.33%	6.80%	74.27%	83.13%	9.96	31.84
August-Oct 2017	4	35.71%	8.12%	62.39%	76.47%	12.24	34.04
Oct-Dec 2017	5	37.50%	2.03%	72.76%	78.34%	12.56	32.76
Jan-Feb 2018	6	34.21%	4.36%	74.55%	90.76%	12.12	32.24
March-June 2018	7	29.03%	5.10%	70.92%	88.34%	8.92	34.24
July-October 2018	8	38.71%	5.26%	77.63%	77.55%	11.76	32.68
Nov 2018 - Feb 2019	9	18.75%	5.78%	64.62%	86.29%	12.84	32.64
Feb-April 2019	10	17.65%	5.91%	66.67%	79.80%	11.88	33.16
May-July 2019	11	22.58%	8.30%	64.19%	81.43%	11.2	32.68
August-Oct 2019	12	16.22%	7.90%	62.07%	83.82%	9.64	33.44
Oct-Dec 2019	13	16.67%	11.02%	62.20%	91.37%	11.12	33.64
Jan-Sept 2020*	14	21.62%	7.65%	68.31%	80.26%	9.12	33.76
Sept-Dec 2020	15	18.92%	8.06%	70.97%	81.58%	9.12	34.00
Dec 2020- May 2021	16	34.21%	10.04%	67.07%	81.11%	12.28	34.48
May-August 2021	17	28.57%	5.35%	62.03%	74.80%	10.00	33.56
August- Nov 2021	18	27.27%	7.45%	72.67%	75.57%	8.84	34.76
Nov 21 - April 2022	19	36.36%	3.98%	71.31%	84.51%	11.88	33.60
April 22 - June 2022	20	40.00%	3.64%	71.52%	80.47%	11.32	30.05

\*Implementation of main improvement interventions January 2020