

**Table 1 Reproductive number ( $R_0$ ) and corresponding Herd Immunity Threshold (HIT) of COVID-19 in Egypt, February-May 2020**

Date	Incidence /100 000	Growth rate	Doubling time (days)	$R_0$	HIT (%)
28/02/2020	0	0		1	0%
07/03/2020	0.02	1.18	1.8	6.5	85%
14/03/2020	0.09	0.79	2.7	4.7	79%
21/03/2020	0.26	0.44	4.8	3.1	67%
28/03/2020	0.5	0.29	7.4	2.3	57%
07/04/2020	1.07	0.34	6.3	2.6	61%
14/04/2020	2.19	0.31	6.8	2.5	59%
21/04/2020	3.34	0.18	11.6	1.9	46%
28/04/2020	4.79	0.16	13.4	1.7	42%
07/05/2020	7.6	0.2	10.5	1.9	49%
14/05/2020	10.45	0.14	15.2	1.6	39%
21/05/2020	14.25	0.13	15.6	1.6	39%
<b>Mean</b>	<b>3.71</b>	<b>0.35</b>	<b>8.73</b>	<b>2.60</b>	<b>52%</b>
<b>SD</b>	<b>4.72</b>	<b>0.33</b>	<b>4.85</b>	<b>1.55</b>	<b>22%</b>