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Escape Corona- Part 7.....

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- Vaccination progress for SARS-CoV-2
- Emergence approval of medicine (2-DG)
for SARS-CoV-2 Patients in India
- Time line of Covid-19 (Pandemic infection) critical Data

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Vaccination progress for SARS-CoV-2

Upto Date	Country/ Region (Population)	Doses administered Millions (M)	Fully vaccinated %	Received at least one dose %	Confirmed cases	
						During last 45 days Lakhs
	Global					
15-05-21	786, 58,18, 173	1,37,03,23,701	4.27	8.66	16,15,45,247	328
02-05-21 (13:29Hrs —04-05-21)	786, 33, 99, 300	1,13,43,33,474	---	----	15,21,99,538	
15-04-21 (11:00 Hrs)	785, 91, 45, 636	80,58,00,837	2.26	5.76		
01-04-21 1-04-21 dmy 14:12:44 hms	785, 60, 57, 780	56,45,61,593	--	----	12,87,91,500	

Upto Date	Country/ Region (Population)	Doses administered Millions (M)	Fully vaccinated	Received at least one dose	Confirmed cases	
			%	%		During last 45 days Lakhs
	United States					
15-05-21	33, 27,06,163	26,46,80,844	35.18	40.04	3,30,45,180	23
02-05-21	33, 26,46,058 13:29Hrs —04-05-21)	24,01,59,677	30.32	43.32	3,25,80,305	
15-04-21	33, 25,43,942	18,96,92,045	22.15%	36.13%	3,16,08,403	
01-04-21	33,24,69,733	14,58,12,835	15.73	28.41	3,06,13,592	
	India					
15-05-21	139, 19, 79,726	17,92,98,584	3.04	10.41	2,43,72,243	121
02-05-21		15,68,16,031	2.1	9.53	1,99,00,371	
15-04-21	139, 08, 50, 376	11,11,79,578	1.04	7.3	1,40,70,890	
01-04-21	139, 03, 27, 276	6,11,13,354	0.65	3.78	1,21,49,335	
	Brazil					
15-05-21	21,38,86,806	4,91,88,608	7.46	15.68	1,55,19,525	27
02-05-21	21, 38,41,458 13:33Hrs —04-05-21)	4,26,98,862	6.37	13.71	1,47,25,975	
15-04-21	21, 37,61,755	2,74,32,994	2.99	9.92	1,36,77,564	
01-04-21	21, 37,03,850	1,80,82,153	1.93	6.58	1,27,48,747	
	United Kingdom					
15-05-21	6,81,98,293	5,41,60,993	27.16	52.62	44,46,824	1
02-05-21	6,81,87,640 (13:46Hrs —04-05-21)	4,87,48,962	21.41	50.4	44,20,201	
15-04-21	6,81,68,896	3,98,46,781	11.28	47.42	43,78,305	
01-04-21	6,81,55,279	3,41,19,095	5.41	44.85	43,45,788	
	China (mainland)					
15-05-21	144, 41,79, 284	35,42,72,000	---	----	90,815	0.0066
02-05-21	144, 40,13,697 (13:32Hrs —04-05-21)	26,50,64,000	---	----	90,686	
15-04-21	144, 37,22,839	17,19,28,000	---	----	90,400	
01-04-21	144, 35,10,860	11,09,62,000	---	----	90,159	

Upto Date	Country/ Region (Population)	Doses administered Millions (M)	Fully vaccinated	Received at least one dose	Confirmed cases	
			%	%		During last 45 days Lakhs
	Italy↓					
15-05-21	6, 03, 84, 865	2,54,04,855	13.05	29.3	41,46,722	5
02-05-21	6, 03, 87, 483 13:43Hrs —04-05-21)	1,99,49,067	9.85	23.24	40,44,762	
15-04-21	6, 03, 92, 079	1,32,86,783	6.6	15.38	38,09,193	
01-04-21	6, 03, 95, 439	96,58,927	5.02	10.95	35,84,899	
https://www.worldometers.info/world-population/						

Emergence approval of medicine for SARS-CoV-2 Patients in India

Drug	Date of sanction	Information
2-deoxy-D-glucose (2-DG)	Drugs Controller General of India (DCGI) 08-5-21	➔ Adjunct therapy for moderate to severe Covid-19 patients
Adjunct therapy	An alternative treatment to be used together with the primary treatment. Its purpose is to assist the primary treatment	

- ➔ 2-Deoxy-d-glucose is a glucose molecule in which 2-hydroxyl group is replaced by hydrogen
- ➔ It cannot undergo further glycolysis
- ➔ Acts to competitively inhibit production of glucose-6-phosphate from glucose at phosphoglucoisomerase level

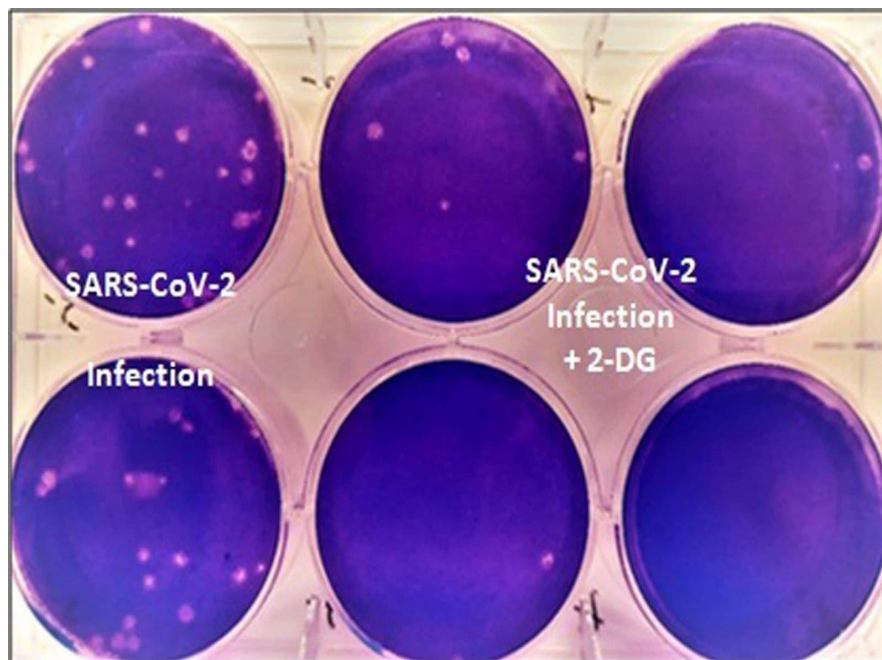
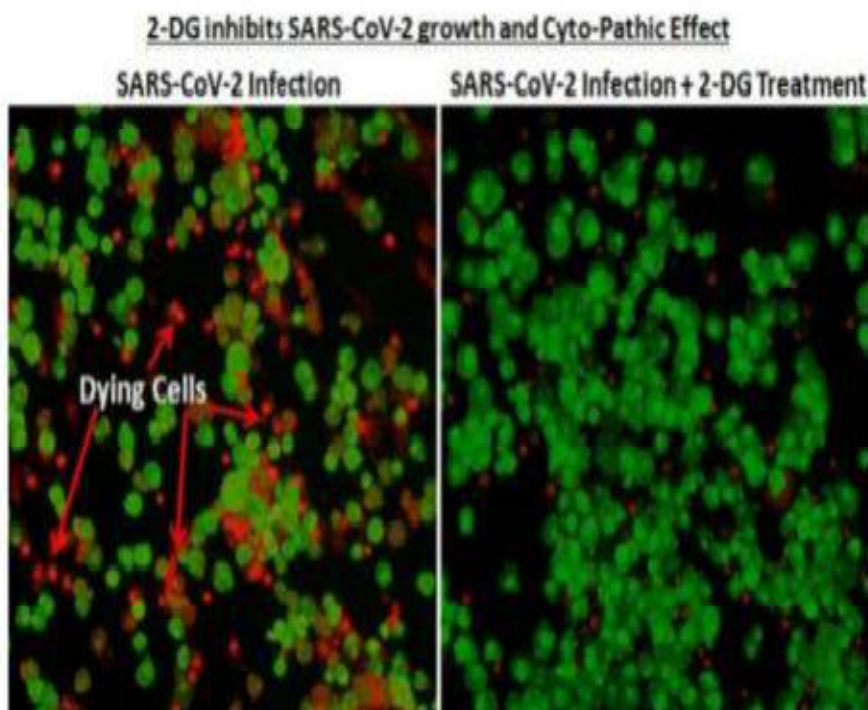


Image of cell cultures in an in vitro study of 2DG
Centre for Cellular and Molecular Biology, Hyderabad
cell cultures in a laboratory without 2-DG had more viral plaques



Clinical trials outcome

Time line of Covid-19 (Pandemic infection) critical Data

[15-May-2021 down to 22-Jan-2020]

Global

New cases –Daily trends CoViD-19

Global

SARS-CoV-2 (Global)

Up to dd-mm-yy	Infected	Deaths
15-05-21	16,15,45,247	33,52,830
02-05-21	15,21,99,538	31,92,613
15-04-21	13,78,47,272	29,65,199
01-04-21	12,87,91,500	28,14,899
15-03-21	11,98,47,912	26,53,483
01-03-21	11,40,67,962	25,30,723
15-02-21	10,87,15,375	23,97,312
02-02-21	10,35,30,848	22,41,409
15-01-21	9,31,05,607	19,93,910
02-01-21	8,39,59,994	18,27,176
15-12-20	7,22,21,634	16,12,014
01-12-20	6,32,36,804	14,67,987

SARS-CoV-2 (Global)

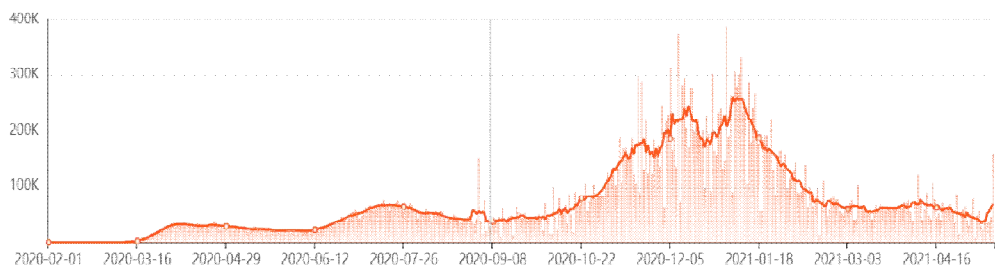
Up to dd-mm-yy	Infected	Deaths
01-11-20	4,59,16,151	11,93,070
01-10-20	3,38,32,124	10,11,282
01-09-20	2,55,84,820	8,48,084
01-08-20	1,75,94,541	6,79,439
01-07-20	1,05,12,383	5,12,331
01-06-20	62,46,042	3,74,452
01-05-20	33,03,296	2,35,290
01-04-20	9,32,605	46,809
01-03-20	87,137	2,977
01-02-20	11,953	0
22-01-20	313	0

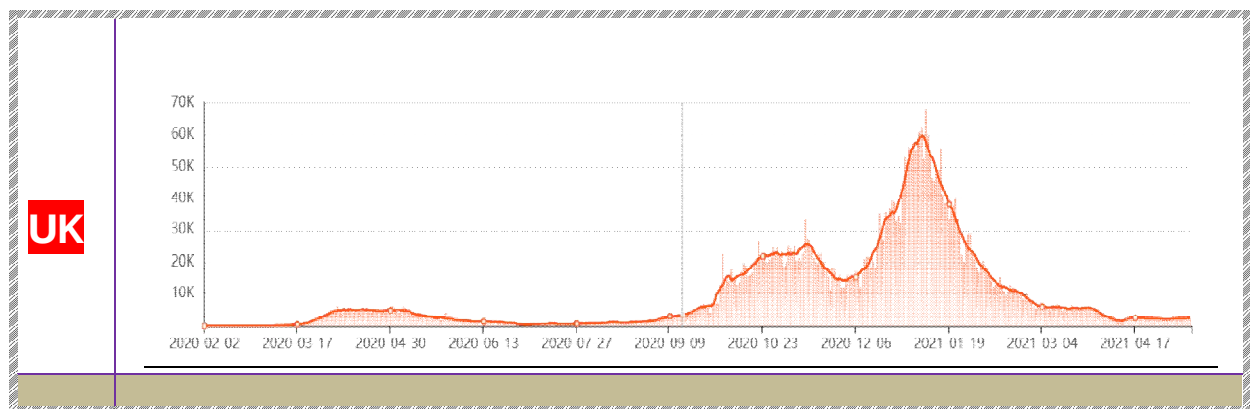
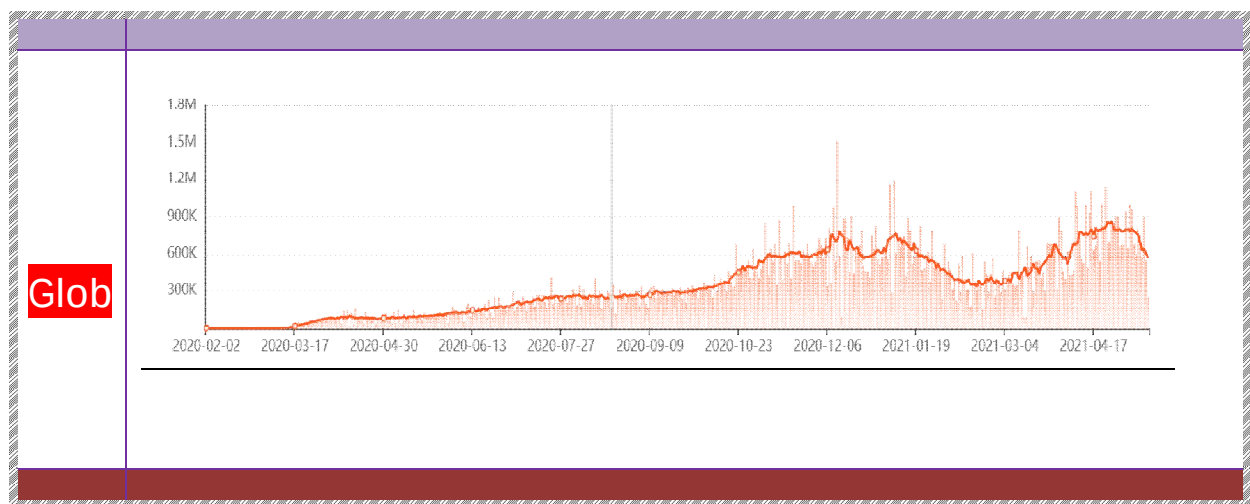
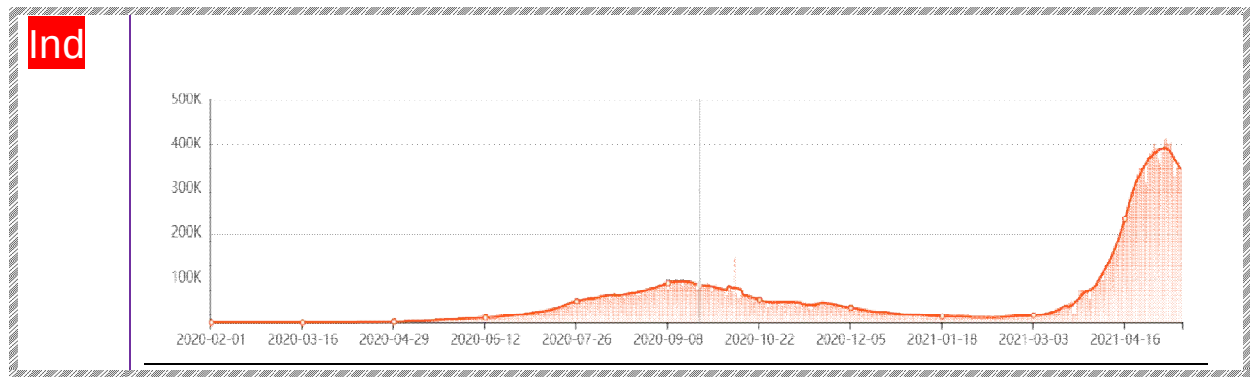
Country

DailyCases

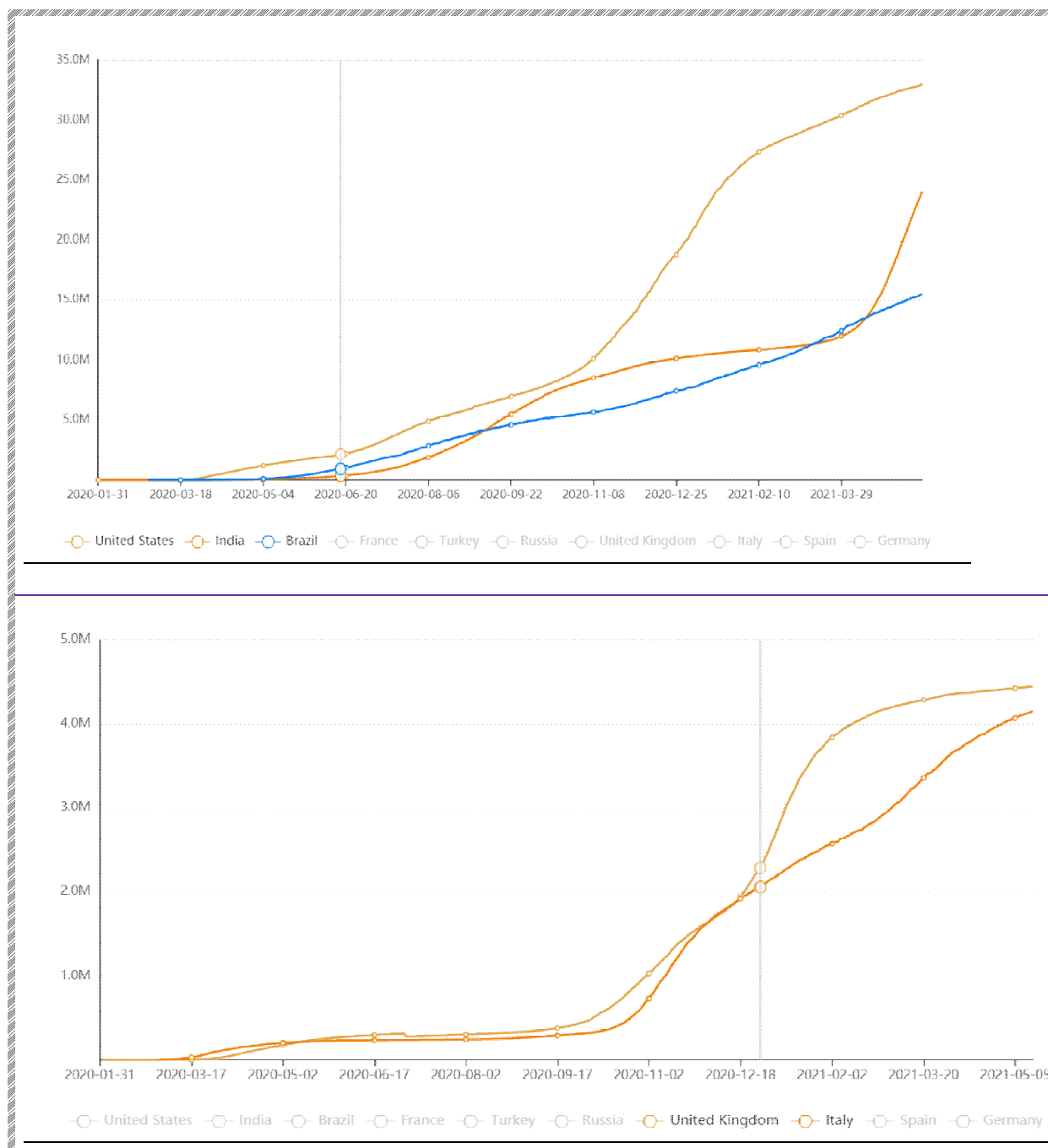
15-05-2021

US

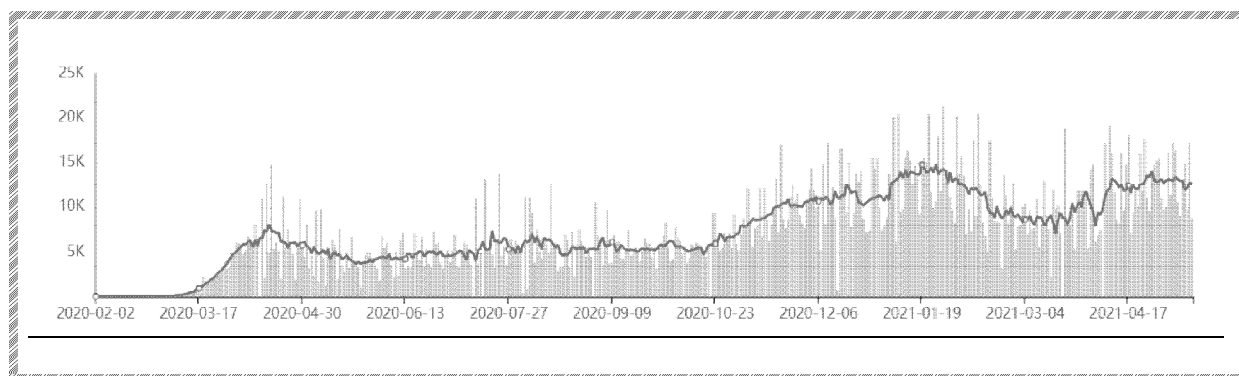




GlobalConformed



GlobalFatal



Time line of Covid-19 (Pandemic infection) typical Data

..... USA

SARS-CoV-2 (USA)

Up to dd-mm- yy	Infected	Deaths	
15-05-21	3,30,45,180	5,90,463	
02-05-21	3,25,80,305	5,82,838	
28-04-21	3,23,75,602	5,79,162	
15-04-21	3,16,08,403	5,69,556	
01-04-21	3,06,13,592	5,56,487	
15-03-21	2,96,76,645	5,40,452	
01-03-21	2,88,97,871	5,18,720	

Up to dd-mm- yy	Infected	Deaths	Recovered
15-02-21	2,78,37,755	4,88,364	1,11,66,500
02-02-21	2,65,24,218	4,47,715	1,11,66,500
15-01-21	2,34,89,378	3,90,738	1,02,62,463
02-01-21	2,03,23,743	3,50,710	91,70,094
15-12-20	1,65,32,754	3,03,482	74,84,733
01-12-20	1,36,17,362	2,71,296	65,94,109
01-11-20	92,22,849	2,34,085	55,52,170
01-10-20	73,27,224	2,10,217	39,22,195

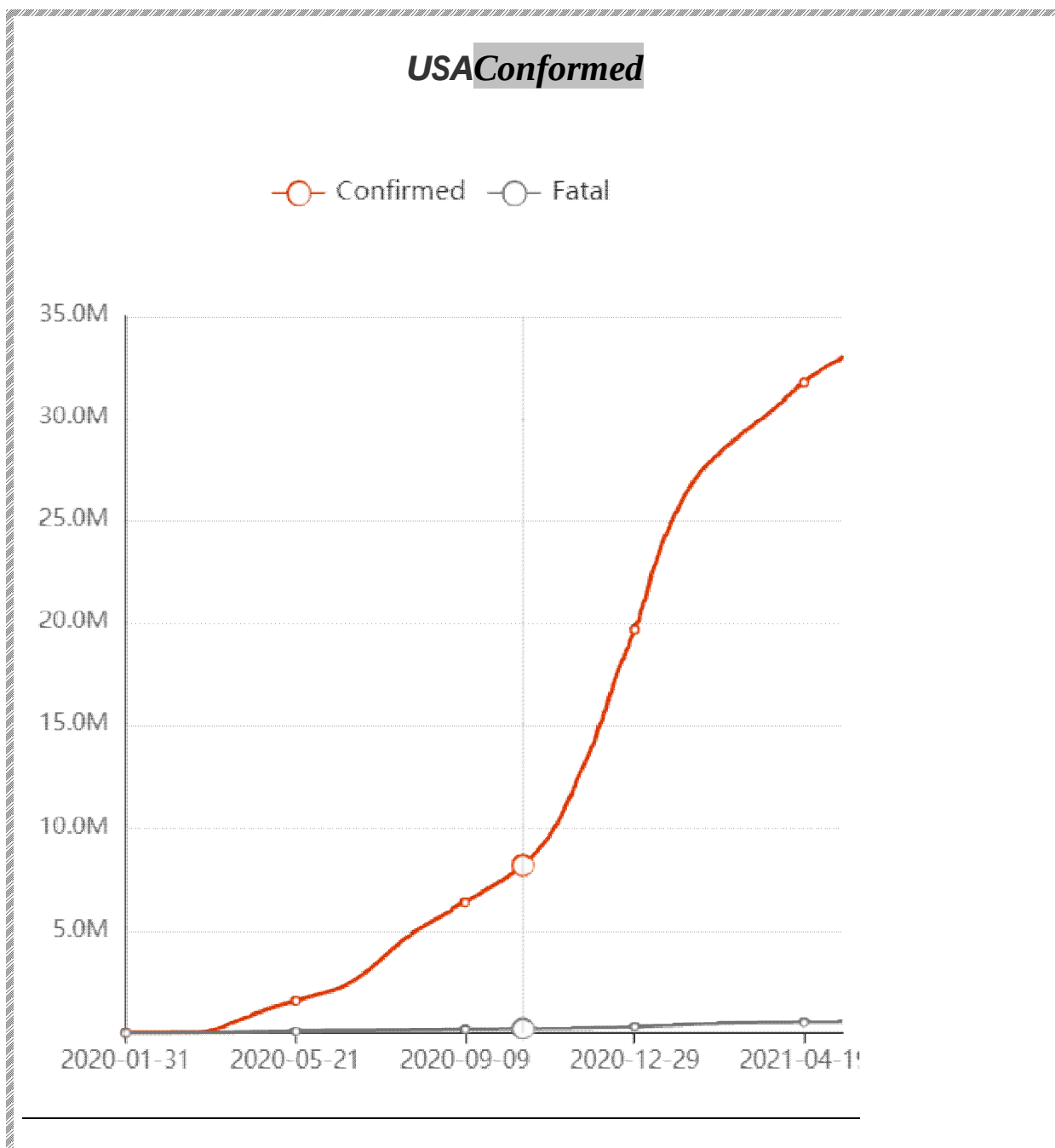
India

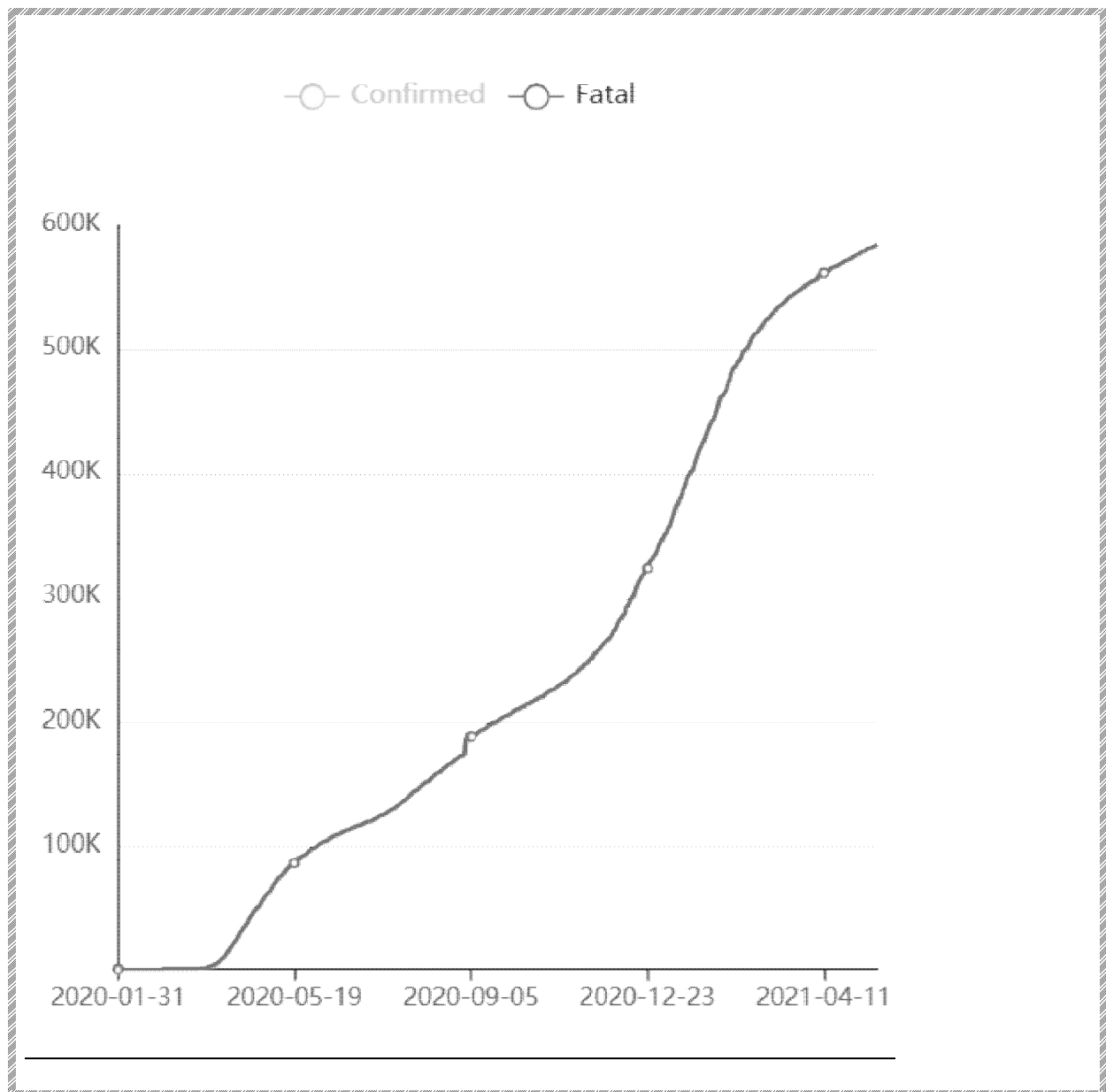
SARS-CoV-2 (India)

Up to dd-mm- yy	Infected	Deaths	
15-05-21	2,43,72,243	2,66,229	
02-05-21	1,99,00,371	2,18,595	
28-04-21	1,79,88,637	2,01,165	
15-04-21	1,40,70,890	1,73,153	
01-04-21	1,21,49,335	1,62,468	
15-03-21	1,13,85,158	1,58,762	

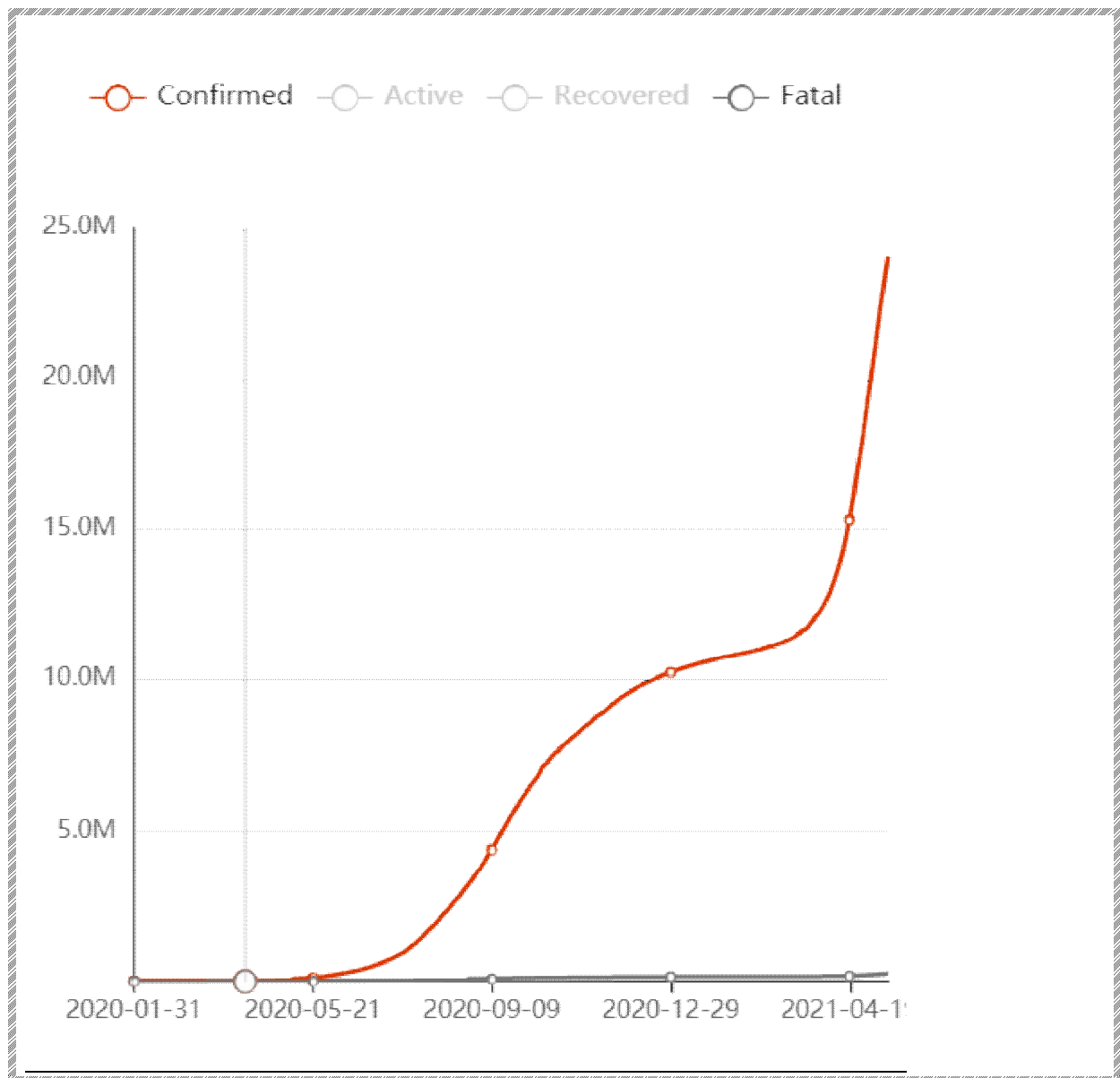
Up to dd-mm- yy	Infected	Deaths	Recovered
01-03-21	1,11,22,703	1,57,255	1,07,95,993
15-02-21	1,09,16,172	1,55,764	1,06,19,083
02-02-21	1,07,77,551	1,54,605	1,04,60,683
15-01-21	1,05,28,896	1,51,958	1,01,62,335
02-01-21	1,03,05,710	1,49,243	99,04,724
15-12-20	99,06,666	1,43,747	94,21,965
01-12-20	94,63,254	1,37,659	88,88,595

01-11-20	85,53,864	1,26,653	79,15,660
01-11-20	81,82,896	1,22,149	74,89,227
01-10-20	63,12,584	98,708	52,73,201

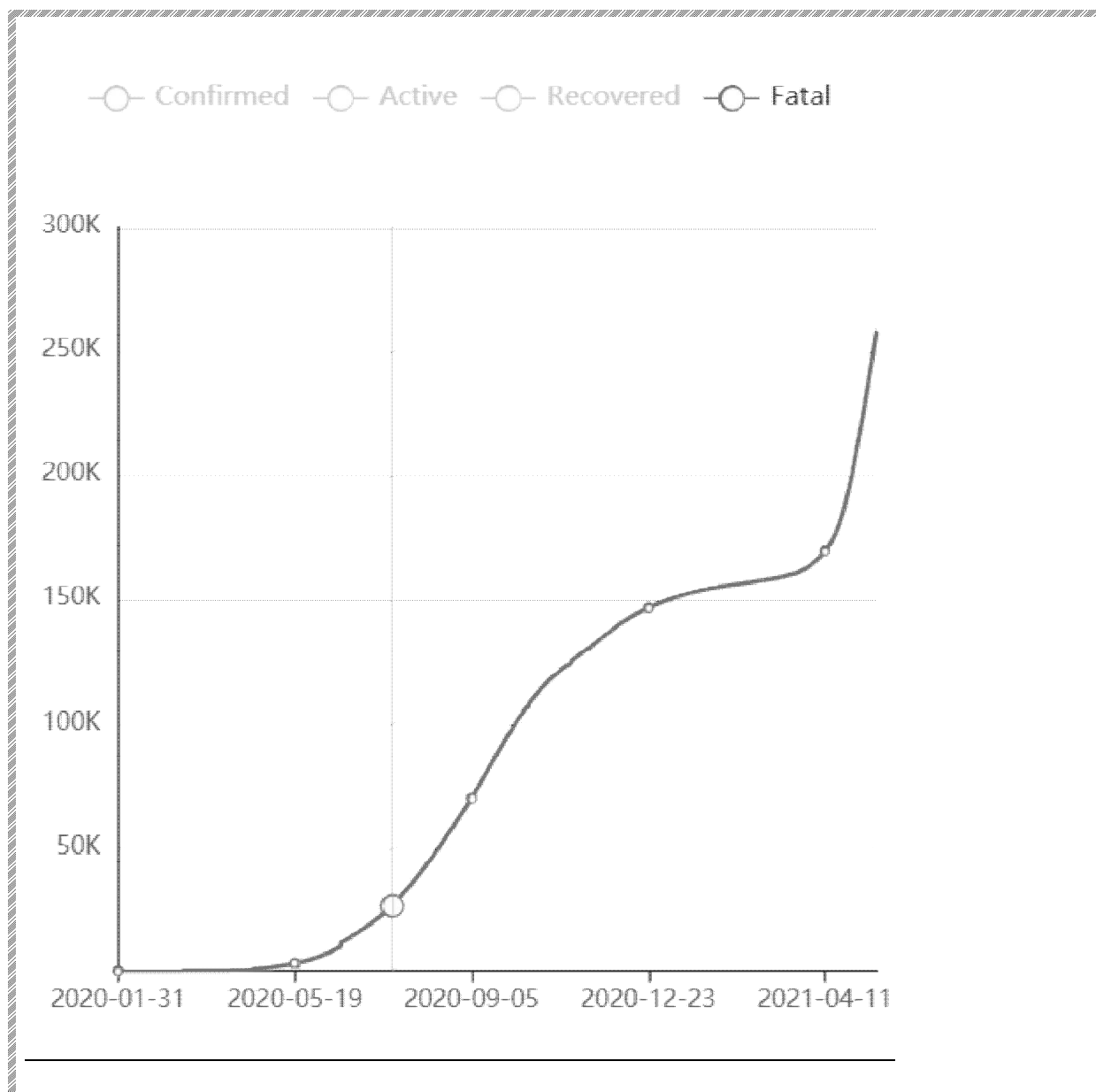




IndiaConformed



India**Fatal**



Time line of Covid-19 (Pandemic infection) typical Data

..... UK				 UK			
SARS-CoV-2 + Mutated virus				SARS-CoV-2			
Up to dd-mm-yy	Infected	Deaths		Up to dd-mm-yy	Infected	Deaths	
15-05-21	44,46,824	1,27,668		12-01-21	3,164K	83K	
02-05-21	44,20,201	1,27,538		09-01-21	3,017K	81K	

15-04-21	43,78,305	1,27,161	1K (45 days)
01-04-21	43,45,788	1,26,713	

Up to dd-mm-yy	Infected	Deaths
15-03-21	42,58,438	1,25,516
01-03-21	41,76,554	1,22,849
15-02-21	40,38,078	1,17,166
02-02-21	38,35,783	1,06,564
15-01-21	32,60,258	86,015
01-01-21	25,42,065	74,125
15-12-20	18,88,116	64,908
01-12-20	16,43,186	59,051
01-11-20	10,11,660	46,717
01-10-20	4,60,178	42,202
07-09-20		41,554
08-08-20		45,566

06-01-21	2,836 K	77K
03-01-21	2,654 K	75K
30-12-20	2,433 K	73K
25-12-20	2,221 K	70K
20-12-20	2,040 K	67 K
15-12-20	1,886 K	65 K
10-12-20	1,788 K	63 K
05-12-20	1,706 K	61 K

SARS-CoV-2 15-05-2021 UK, Europe,			
Infected	Country	Country	Infected
1,55,19,525	Brazil	Canada	13,18,405
49,22,901	Russia	Switzerland	6,79,510
44,46,824	United Kingdom	Japan	6,65,547
58,41,129	France	Egypt	2,43,317
41,46,722	Italy	China (mainland)	90,815
36,04,799	Spain	Singapore	61,505
35,77,040	Germany	Greenland	31
15,89,282	Netherlands	Marshall Islands	4

References

Title	EscapeCorona – Part 6
Journal	Journal of Applicable Chemistry, 2021, 10 (2): 227-234
Authors	K. Somasekhara Rao, R.Sambasiva Rao

Title	EscapeCorona – Part 5 Knowledge Inn (in nature)-15
Journal	Journal of Applicable Chemistry, 2021, 10 (1): 108-120
Authors	R.Sambasiva Rao

Title	EscapeCorona – Part 4 Knowledge Inn (in nature)-14
Journal	Journal of Applicable Chemistry, 2020, 9 (6): 1053-1067
Authors	R.Sambasiva Rao

Title	EscapeCorona – Part 3 Knowledge Inn (in nature)-13
Journal	Journal of Applicable Chemistry, 2020, 9 (5): 833-840
Authors	R.Sambasiva Rao

Title	EscapeCorona – Part 2 Knowledge Inn (in nature)-12
Journal	Journal of Applicable Chemistry, 2020, 9 (4): 671-681
Authors	R.Sambasiva Rao

Title	Evolutionary-scientific-cure[Esc.]:Part 1. Corona virus disease [CVD]	 EscapeCovid-19.. ... ??? ... !!!
Journal	Journal of Applicable Chemistry, 2020, 9 (3): 344-361	
Authors	K. Somasekhara Rao, K. Ramakrishna, Ch. V. Kameswara Rao and R.Sambasiva Rao	

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