

NZ COVID 2021

$C = ar^d$

r	1.4		1.414214		1.4		1.414214	
a	1		1		1.16		1.16	
	Total	New	Total	New	Total	New	Total	New
d	Cases	Cases	Cases	Cases	Cases	Cases	Cases	Cases
0	1.000	0.000	1.000	0.000	1.160	0.000	1.160	0.000
1	1.400	0.400	1.414	0.414	1.624	0.464	1.640	0.480
2	1.960	0.560	2.000	0.586	2.274	0.650	2.320	0.680
3	2.744	0.784	2.828	0.828	3.183	0.909	3.281	0.961
4	3.842	1.098	4.000	1.172	4.456	1.273	4.640	1.359
5	5.378	1.537	5.657	1.657	6.239	1.783	6.562	1.922
6	7.530	2.151	8.000	2.343	8.734	2.496	9.280	2.718
7	10.541	3.012	11.314	3.314	12.228	3.494	13.124	3.844
8	14.758	4.217	16.000	4.686	17.119	4.891	18.560	5.436
9	20.661	5.903	22.627	6.627	23.967	6.848	26.248	7.688
10	28.925	8.264	32.000	9.373	33.554	9.587	37.120	10.872
11	40.496	11.570	45.255	13.255	46.975	13.421	52.496	15.376
12	56.694	16.198	64.000	18.745	65.765	18.790	74.240	21.744
13	79.371	22.678	90.510	26.510	92.071	26.306	104.991	30.751
14	111.120	31.749	128.000	37.490	128.899	36.828	148.480	43.489
15	155.568	44.448	181.019	53.019	180.459	51.560	209.982	61.502
16	217.795	62.227	256.000	74.981	252.643	72.184	296.960	86.978
17	304.913	87.118	362.039	106.039	353.700	101.057	419.965	123.005
18	426.879	121.965	512.000	149.961	495.179	141.480	593.920	173.955
19	597.630	170.752	724.077	212.077	693.251	198.072	839.930	246.010
20	836.683	239.052	1024.000	299.923	970.552	277.301	1187.840	347.910

Reaching Over 100 new Cases

	Total Cases	New Cases	Total Cases	New Cases	Total Cases	New Cases	Total Cases	New Cases
	304.913	87.118	256.000	74.981	252.643	72.184	296.960	86.978
	426.879	121.965	362.039	106.039	353.700	101.057	419.965	123.005
	x f		x f		x f		x f	
f Grand Total			Grand Total		Grand Total		Grand Total	
2.1	896.4456		760.2812		742.7692		881.9262	
2.2	939.1335		796.4851		778.1392		923.9227	
2.3	981.8214		832.6889		813.5091		965.9192	

Estimate 750 to 1000 cases