

Estimate of South Carolina Disease and Hospitalization Burden – Thru April 1, 2020

NOTE: Considerations for Interpretation of Projections:

- Projections/estimates for by-county cases and hospitalizations are currently provided only thru 31 March and reflect data collected during first two weeks of COVID-19 impacts in SC.
- Projections/estimates were drafted in a compressed planning timeline ; figures will be continuously refined.
- Projection graphs on Page 3:
 - Graph 1 assumes "linear" trend -- likely too optimistic
 - Graph 2 assumes "exponential growth" – likely too pessimistic (worst case)
 - Intent is that social distancing will decrease overall burden of:
 - Clinical illnesses
 - Hospitalizations which could become a stress to the system
- Average age of population should also be a consideration, e.g., Beaufort County’s elevated retiree population may observe higher hospitalization rate than Richland County’s younger population. Figures will additionally change based on two other planning considerations:
 - Those who’ve recovered from illness
 - Acknowledgement that all will not be hospitalized at same time

County	Population	Pct of			
		Pop	Cases by April 1	10% Hospitalized	20% Hospitalized
Greenville County	514,213	10.1%	172	17	34
Richland County	414,576	8.2%	139	14	28
Charleston County	405,905	8.0%	136	14	27
Horry County	344,147	6.8%	115	12	23
Spartanburg County	313,888	6.2%	105	10	21
Lexington County	295,032	5.8%	99	10	20
York County	274,118	5.4%	92	9	18
Berkeley County	221,091	4.3%	74	7	15
Anderson County	200,482	3.9%	67	7	13
Beaufort County	188,715	3.7%	63	6	13
Aiken County	169,401	3.3%	57	6	11
Dorchester County	160,647	3.2%	54	5	11
Florence County	138,159	2.7%	46	5	9
Pickens County	124,937	2.5%	42	4	8
Sumter County	106,512	2.1%	36	4	7
Lancaster County	95,380	1.9%	32	3	6
Orangeburg County	86,934	1.7%	29	3	6
Oconee County	78,374	1.5%	26	3	5
Greenwood County	70,741	1.4%	24	2	5
Laurens County	66,994	1.3%	22	2	4
Darlington County	66,802	1.3%	22	2	4
Kershaw County	65,592	1.3%	22	2	4
Georgetown County	62,249	1.2%	21	2	4
Cherokee County	57,078	1.1%	19	2	4
Chesterfield County	45,754	0.9%	15	2	3
Newberry County	38,520	0.8%	13	1	3
Colleton County	37,660	0.7%	13	1	3
Clarendon County	33,700	0.7%	11	1	2
Chester County	32,251	0.6%	11	1	2
Marion County	31,039	0.6%	10	1	2
Williamsburg County	30,606	0.6%	10	1	2
Dillon County	30,599	0.6%	10	1	2

Jasper County	28,971	0.6%	10	1	2
Union County	27,410	0.5%	9	1	2
Edgefield County	27,052	0.5%	9	1	2
Marlboro County	26,398	0.5%	9	1	2
Abbeville County	24,541	0.5%	8	1	2
Fairfield County	22,402	0.4%	7	1	1
Barnwell County	21,112	0.4%	7	1	1
Saluda County	20,544	0.4%	7	1	1
Hampton County	19,351	0.4%	6	1	1
Lee County	17,142	0.3%	6	1	1
Calhoun County	14,520	0.3%	5	0	1
Bamberg County	14,275	0.3%	5	0	1
McCormick County	9,410	0.2%	3	0	1
Allendale County	8,903	0.2%	3	0	1
SC TOTAL	5,084,127		1700	170	340

Projections will differ based on data collected and on statistical assumptions made.

