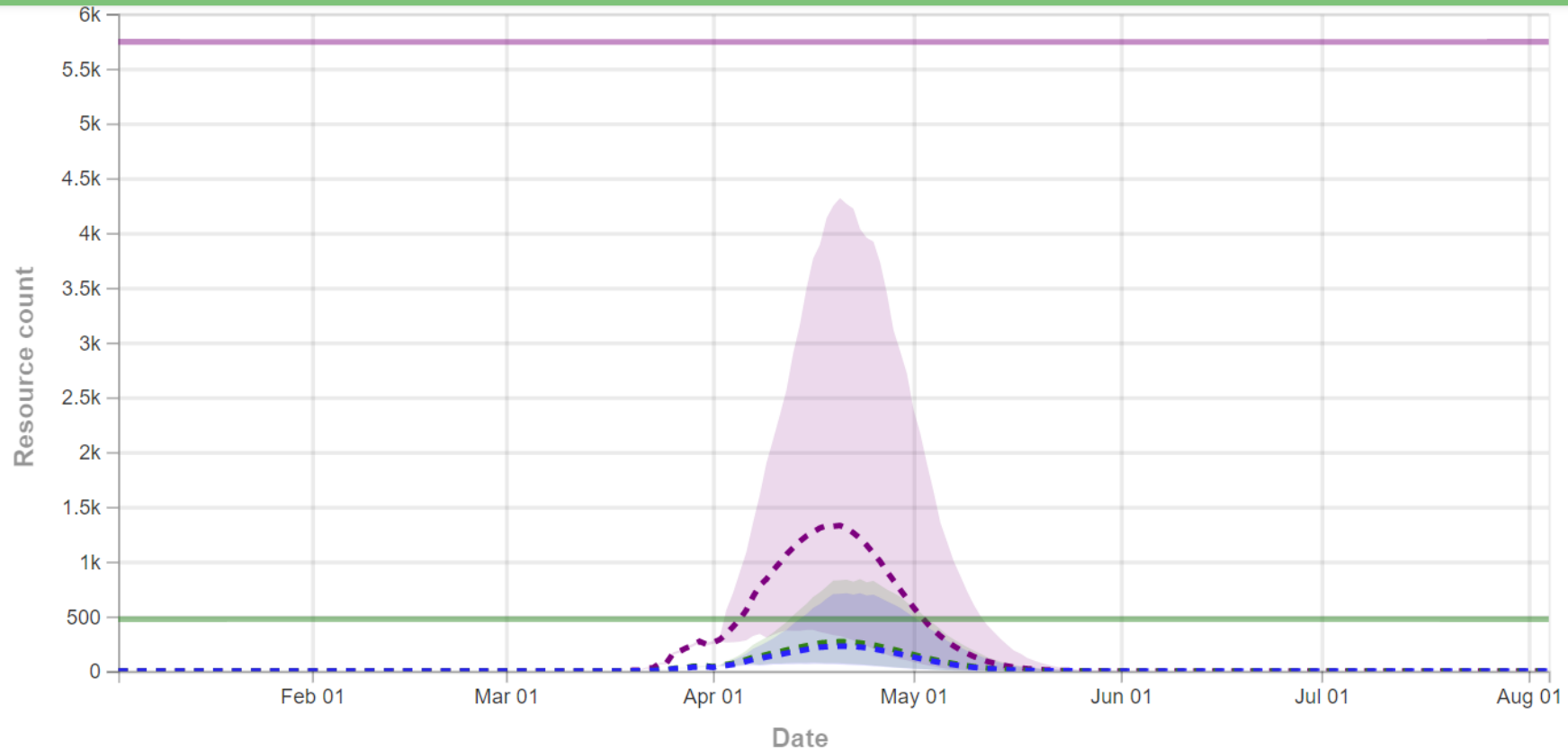


Alabama



— All beds available - - - All beds needed (projected) — ICU beds available
- - - ICU beds needed (projected) - - - Invasive ventilators needed (projected)

IHME Model

All resources specific to COVID-19 patients.

Shaded areas indicate uncertainty ⓘ

<https://covid19.healthdata.org/united-states-of-america/alabama>

FluSurge 2.0 Model

Main Menu

Close

Step 1: Determine population of locale by age groups:

Age Group	Population
0-19 yrs	31,500
20-64 yrs	93,000
+ 65 yrs	25,500

Enter Data in
WHITE
boxes only!

View or
Change
Assump-tions

Step 2: Determine basic hospital resources:

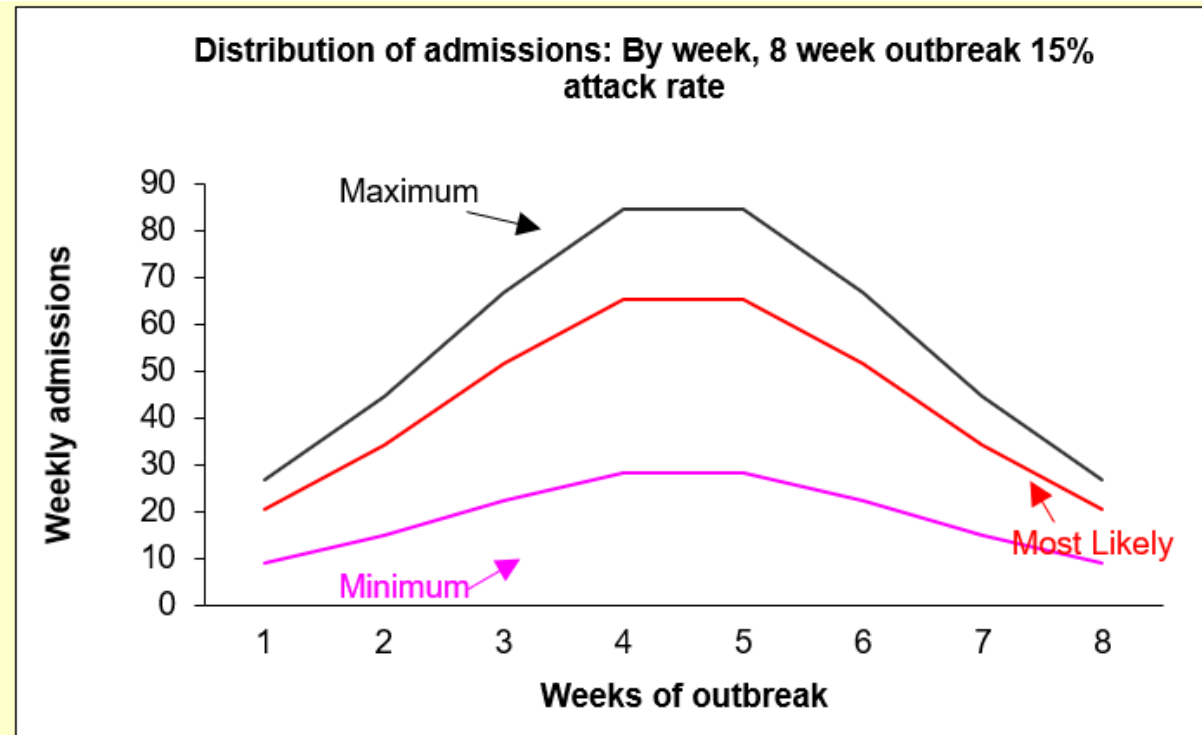
Total licensed non-ICU beds:	305
% licensed non-ICU beds staffed:	69%
Total staffed non-ICU beds:	210
Total licensed ICU beds:	24
% licensed ICU beds staffed:	100%
Total Staffed ICU beds:	24
Total number of ventilators:	28
% ventilators available:	100%
Total number of ventilators available:	28

Step 3: Determine duration (6, 8, or 12 weeks) and attack rate (15%, 25% or 35%) of the pandemic:

Duration: 8

Attack rate: 15%

Pandemic Influenza Impact / Attack Rate	15%
Total Hospital Admissions	
Most Likely Scenario	342
Minimum Scenario	147
Maximum Scenario	445
Total Deaths	
Most Likely Scenario	71
Minimum Scenario	45
Maximum Scenario	113



Hosp Adm. / Week	1	2	3	4	5	6	7	8
Most Likely Scenario	21	34	51	65	65	51	34	21
Minimum Scenario	9	15	22	28	28	22	15	9
Maximum Scenario	27	44	67	85	85	67	44	27

Pandemic Influenza Impact / Weeks		1	2	3	4	5	6	7	8	9	10
Hospital Admission	Weekly admissions	21	34	51	65	65	51	34	21		
	Peak admissions/day				11	11					
Hospital Capacity	# of influenza patients in hospital	10	16	24	31	32	25	19	12		
	% of hospital capacity needed	5%	8%	11%	15%	15%	12%	9%	6%		
ICU Capacity	# of influenza patients in ICU	4	9	13	18	19	19	15	10		
	% of ICU capacity needed	17%	37%	56%	74%	81%	79%	61%	42%		
Ventilator Capacity	# of influenza patients on ventilators	4	9	13	18	19	19	15	10		
	% usage of ventilator	15%	31%	48%	64%	69%	67%	52%	36%		
Deaths	# of deaths from influenza			4	7	11	14	14	11	7	4
	# of influenza deaths in hospital			3	5	7	9	9	7	5	3