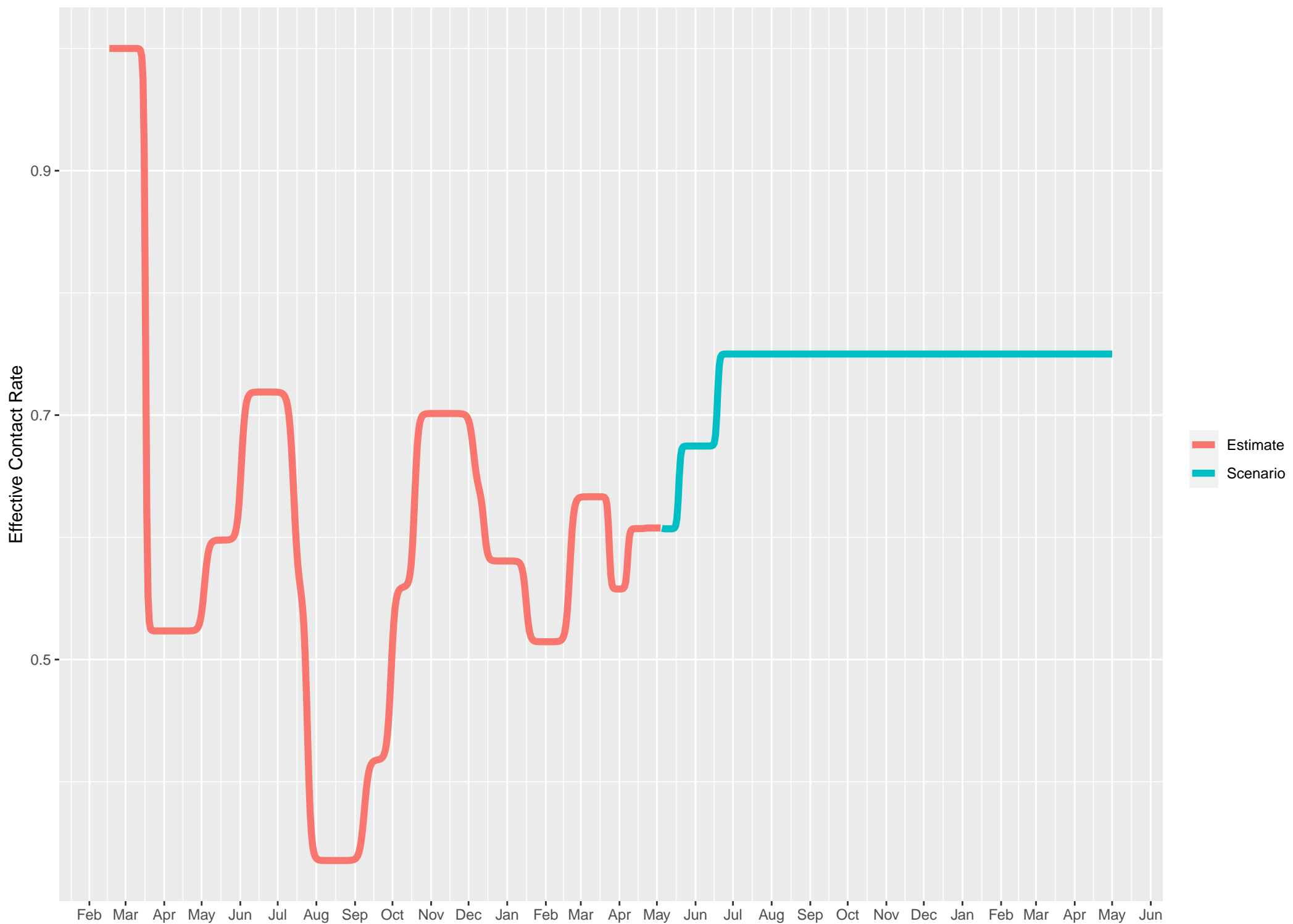
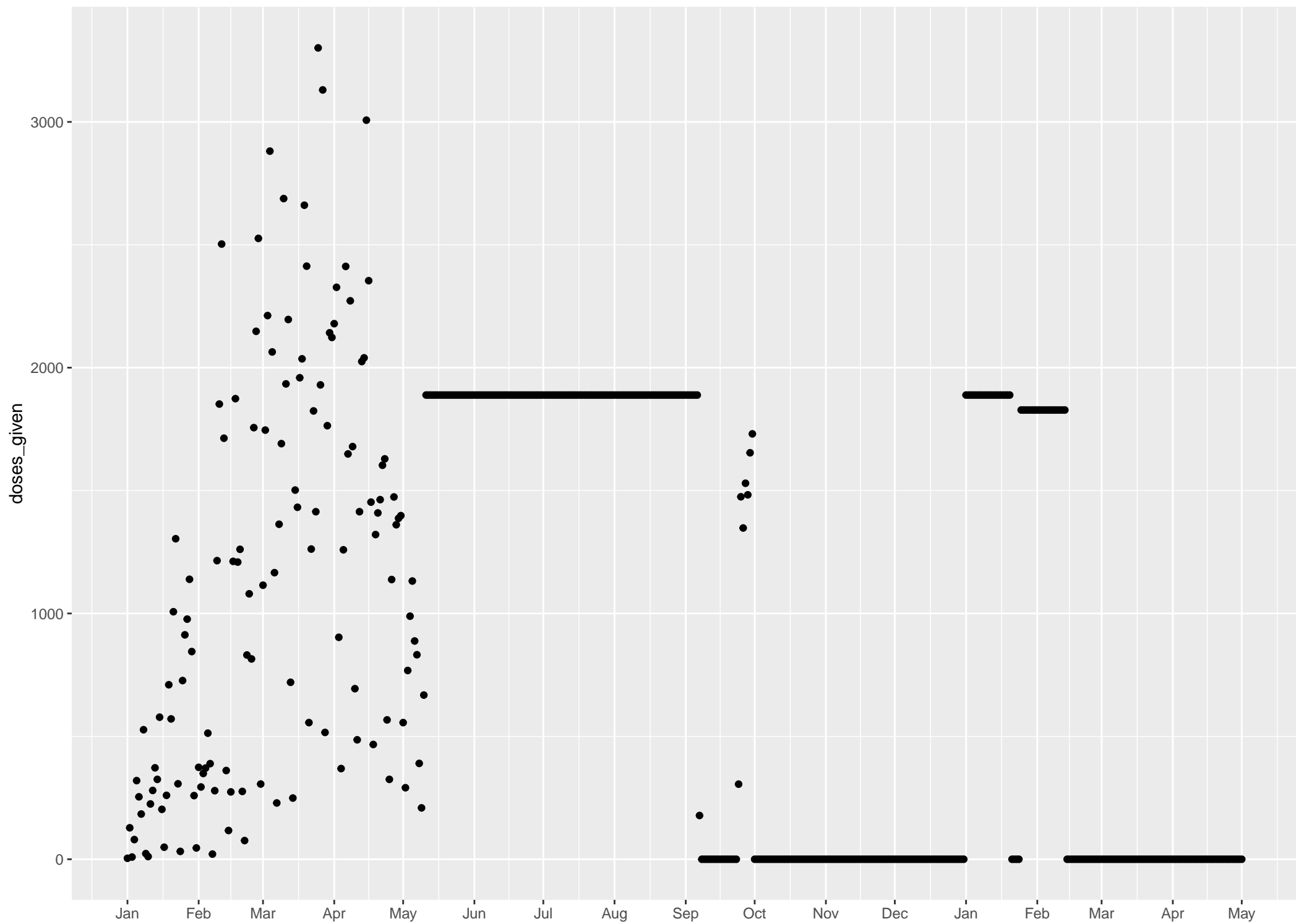


Effective contact rate relative to initial effective contact rate  
not including vaccine or variant effects



# Actual and Projected Vaccines Doses

note: scattered doses in the summer are wrapping up second doses, later doses are children





# Long Term Hospitalization Projection

Number of COVID19 Patients in Hospital

60

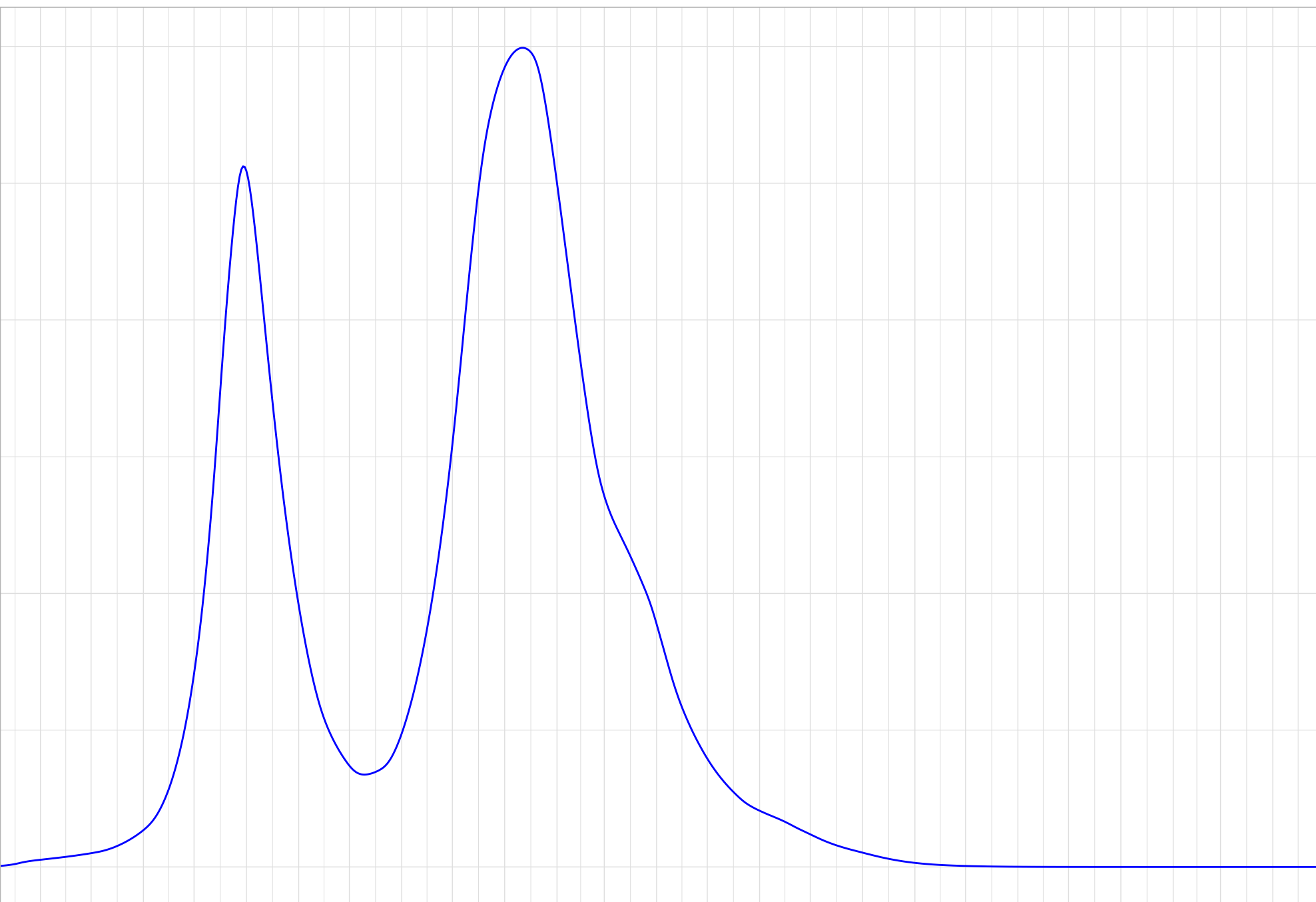
40

20

0

Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01

Median



# Long Term ICU Projection

Number of COVID19 Patients in ICU

15

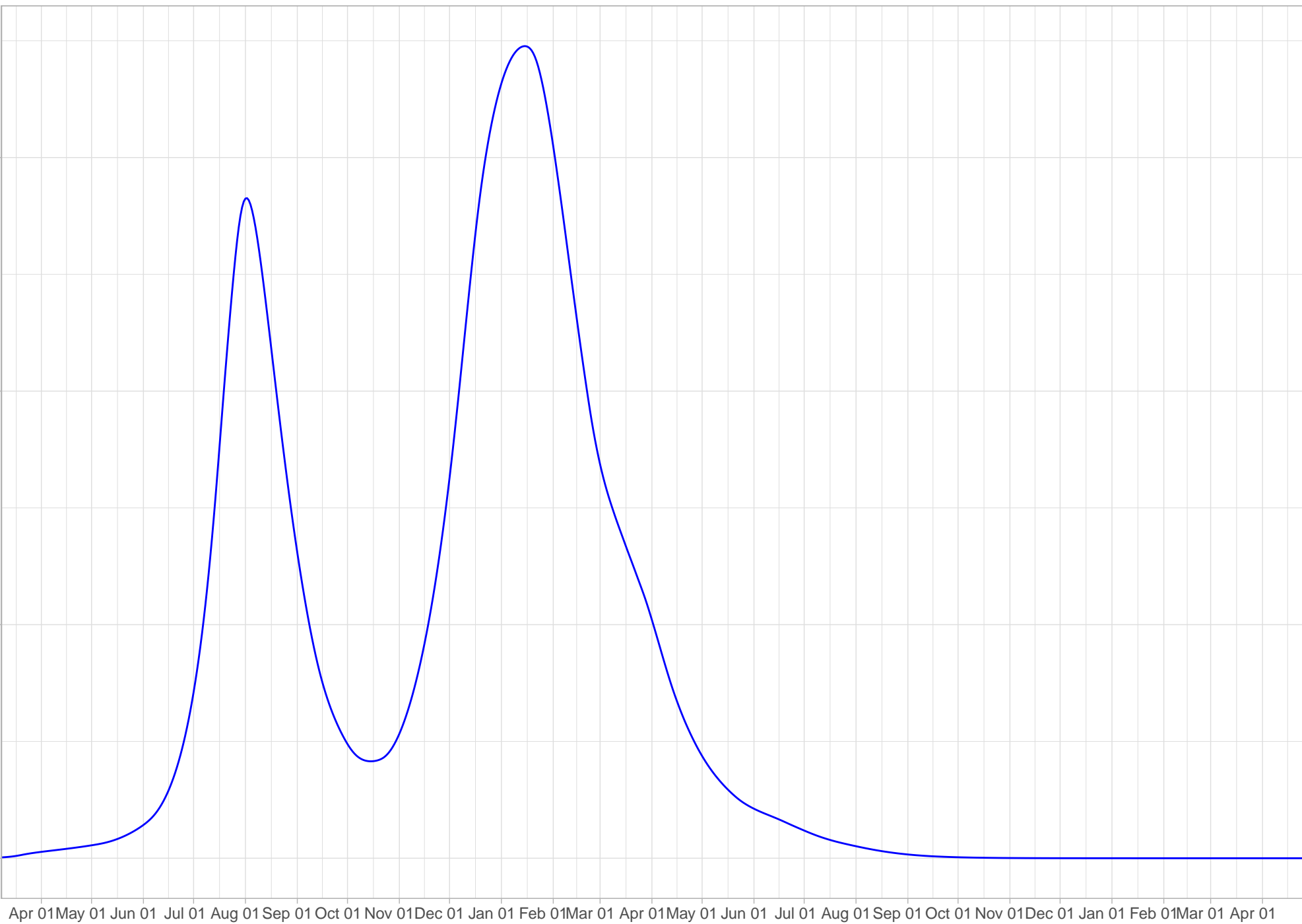
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5

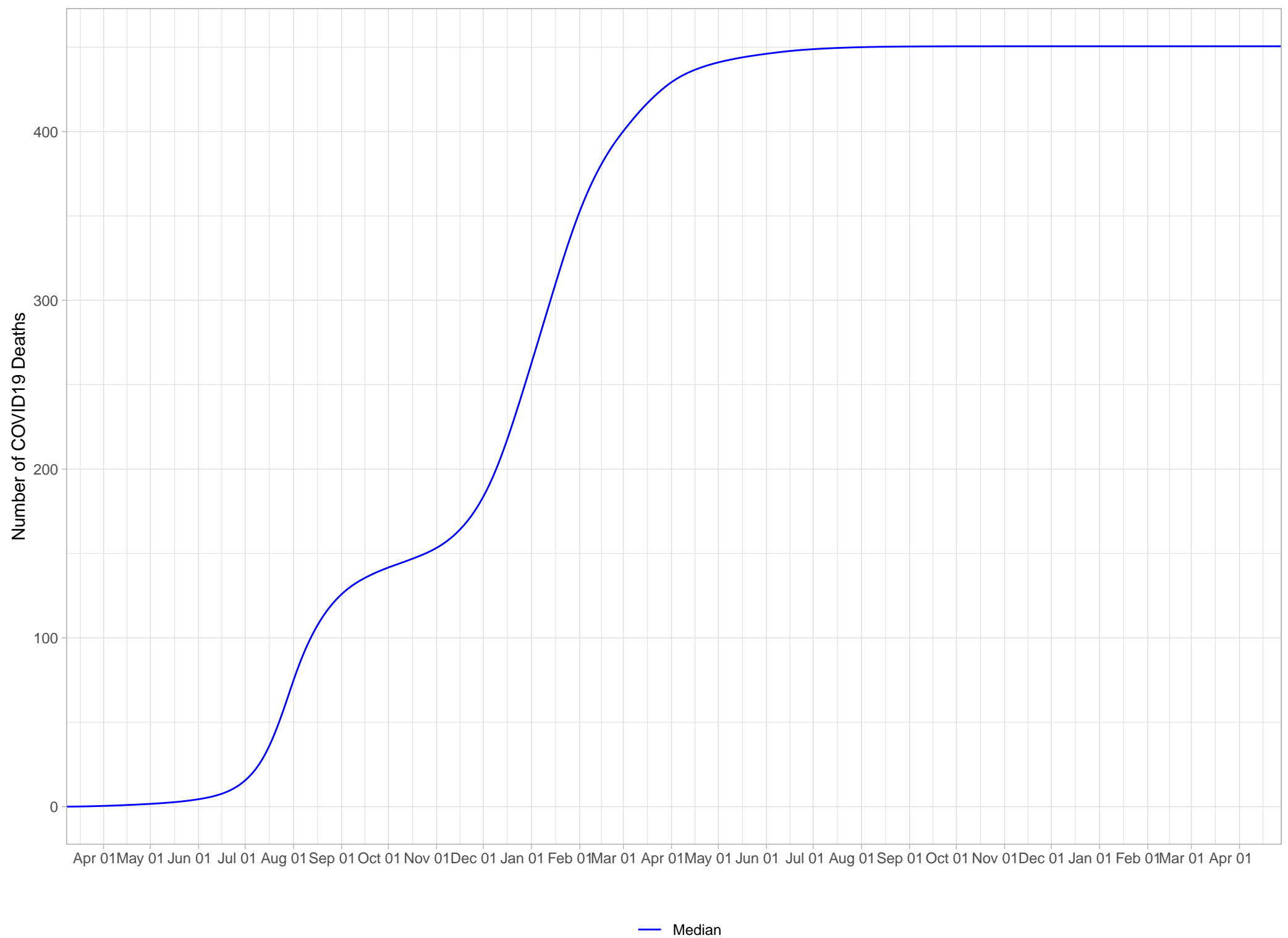
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Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01

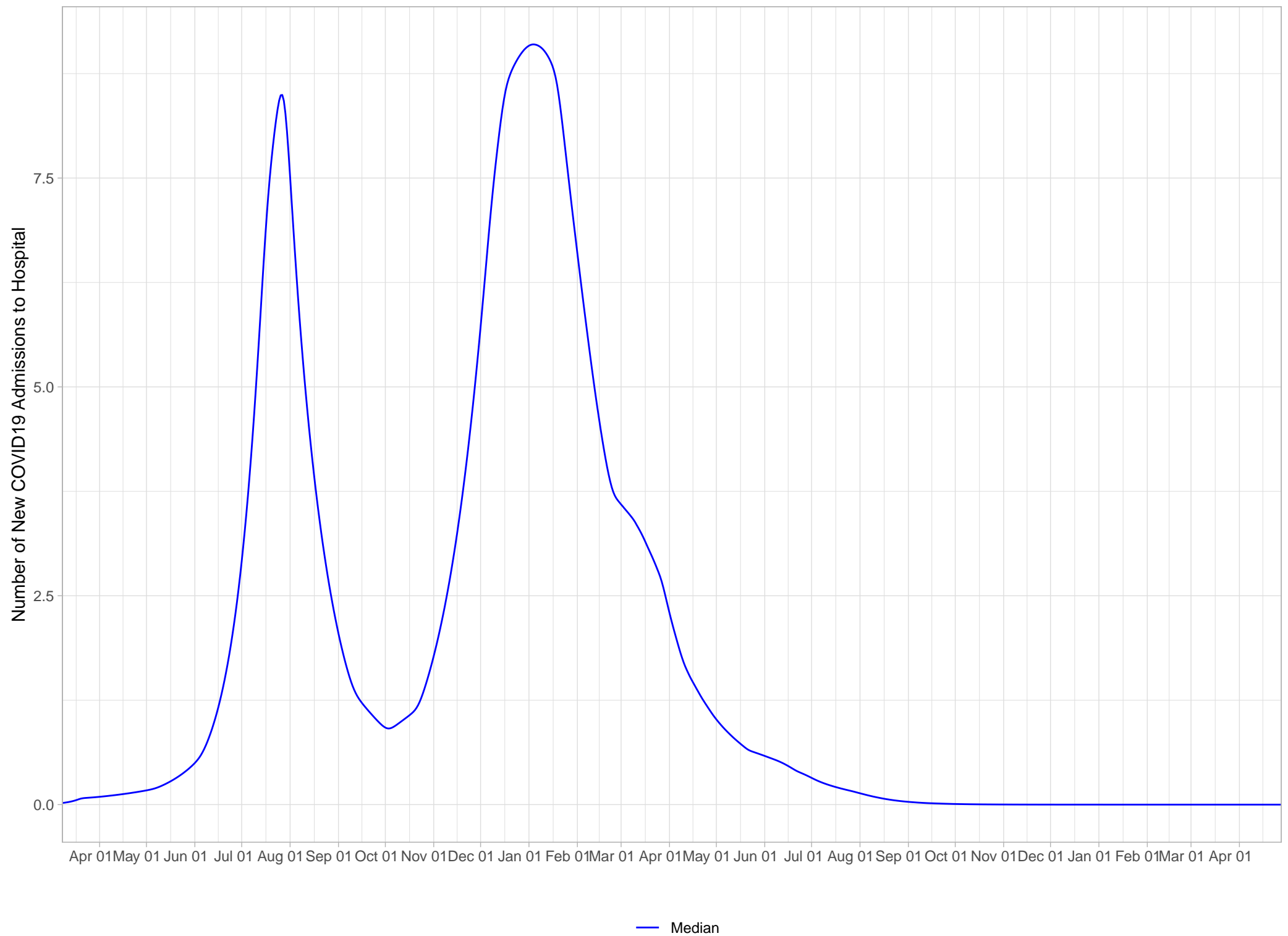
Median



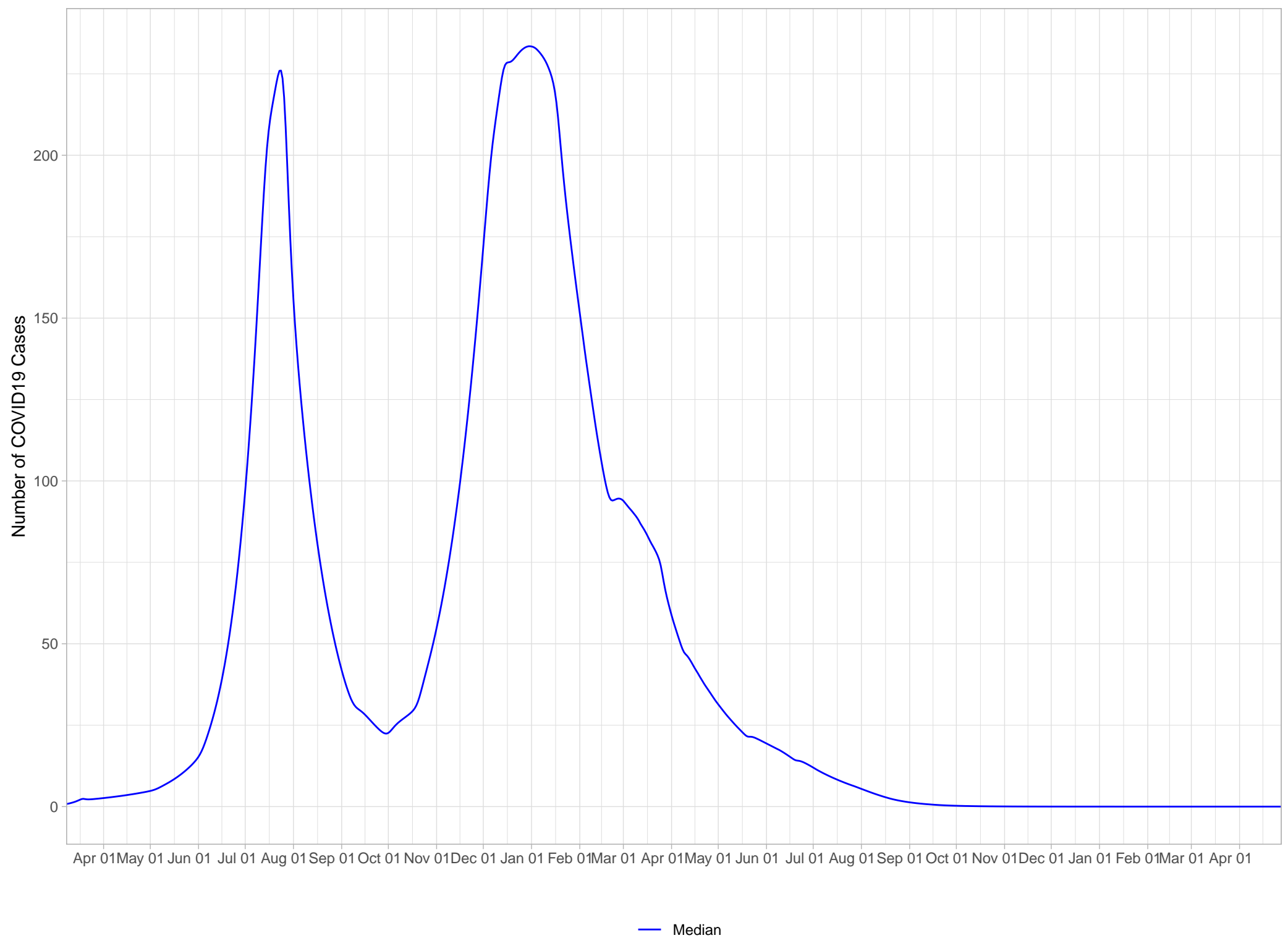
# Long Term Death Projection



# Long Term Admissions Projection



# Long Term Cases Projection





# Long Term Seroprevalence Projection

