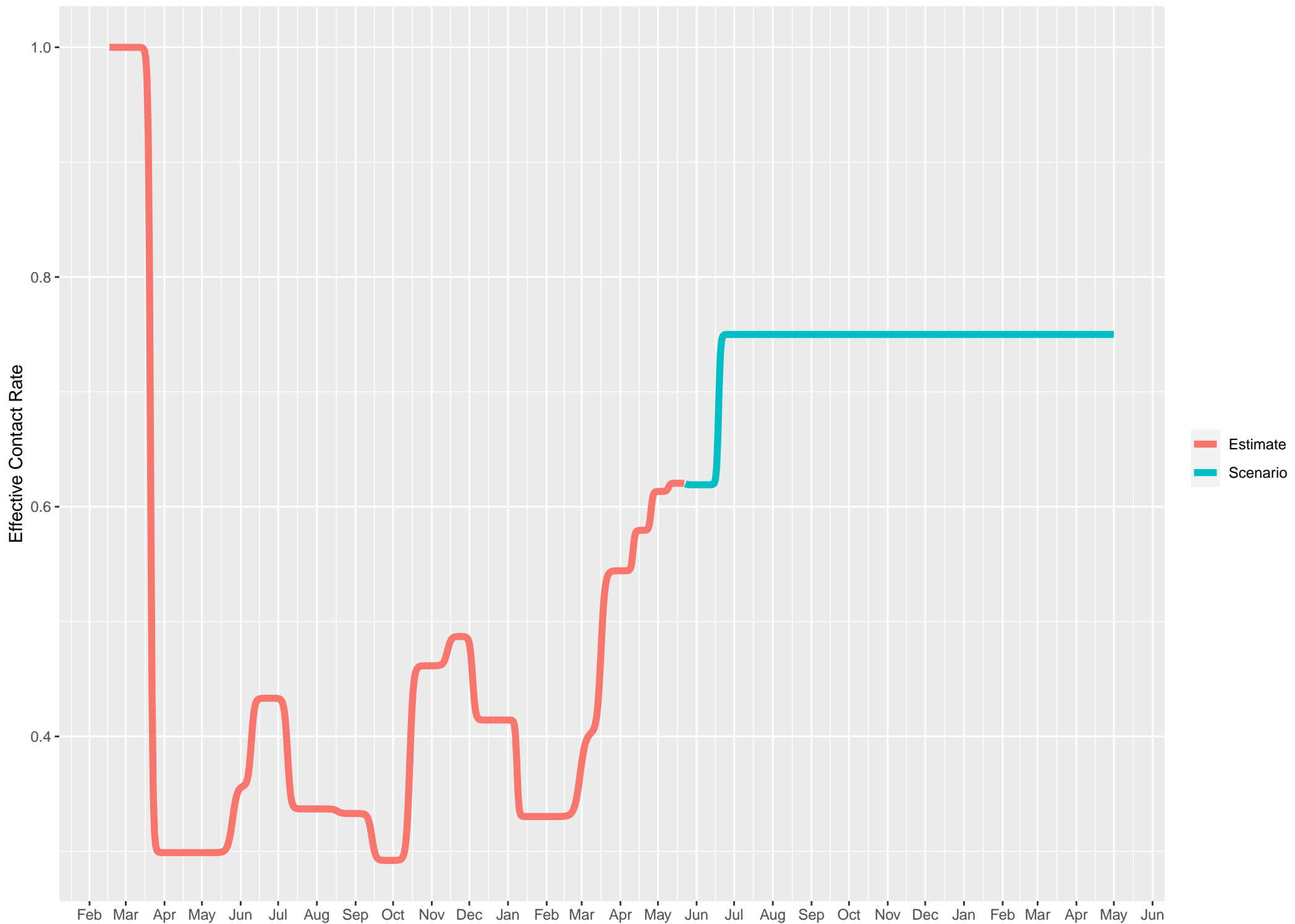
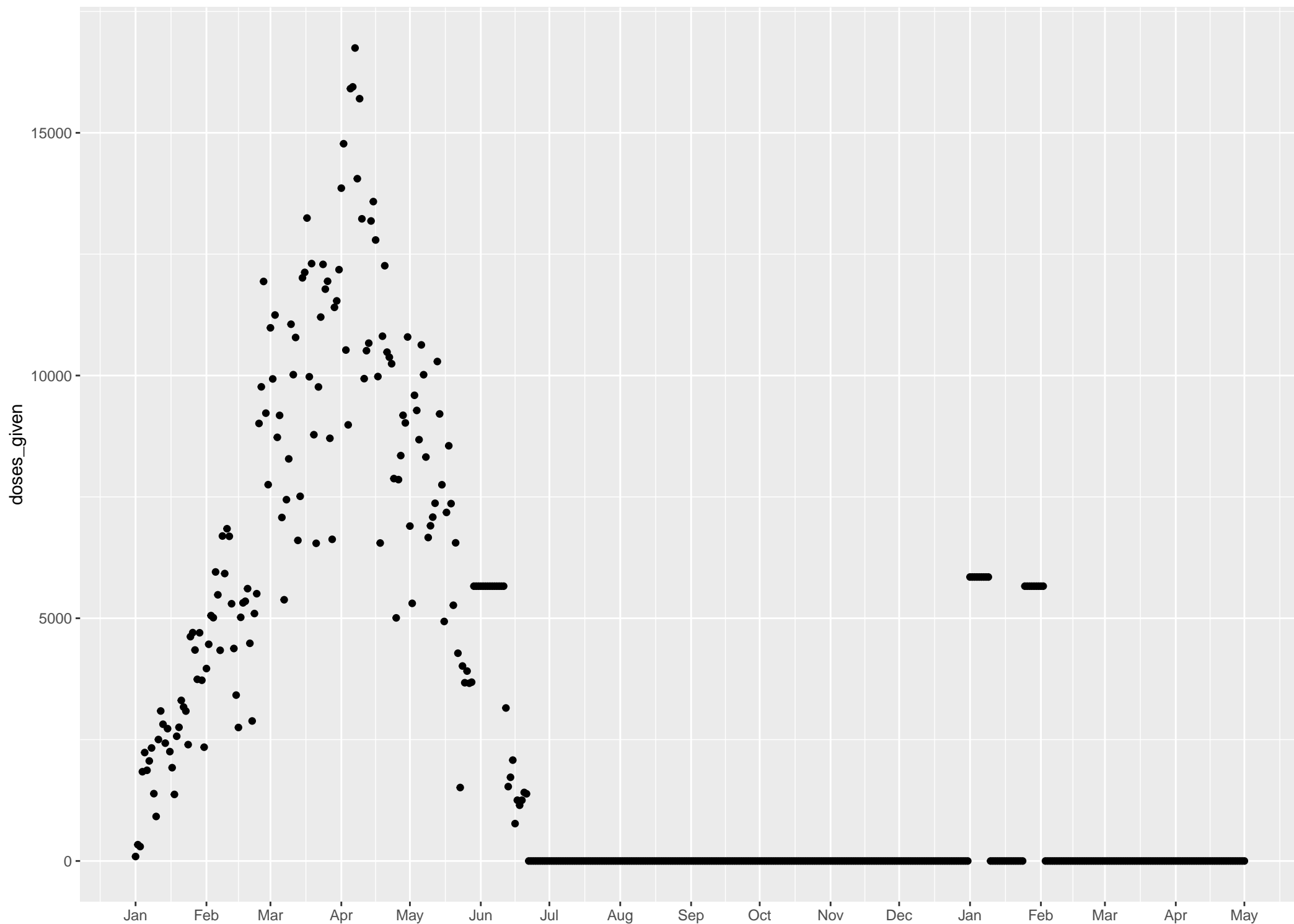


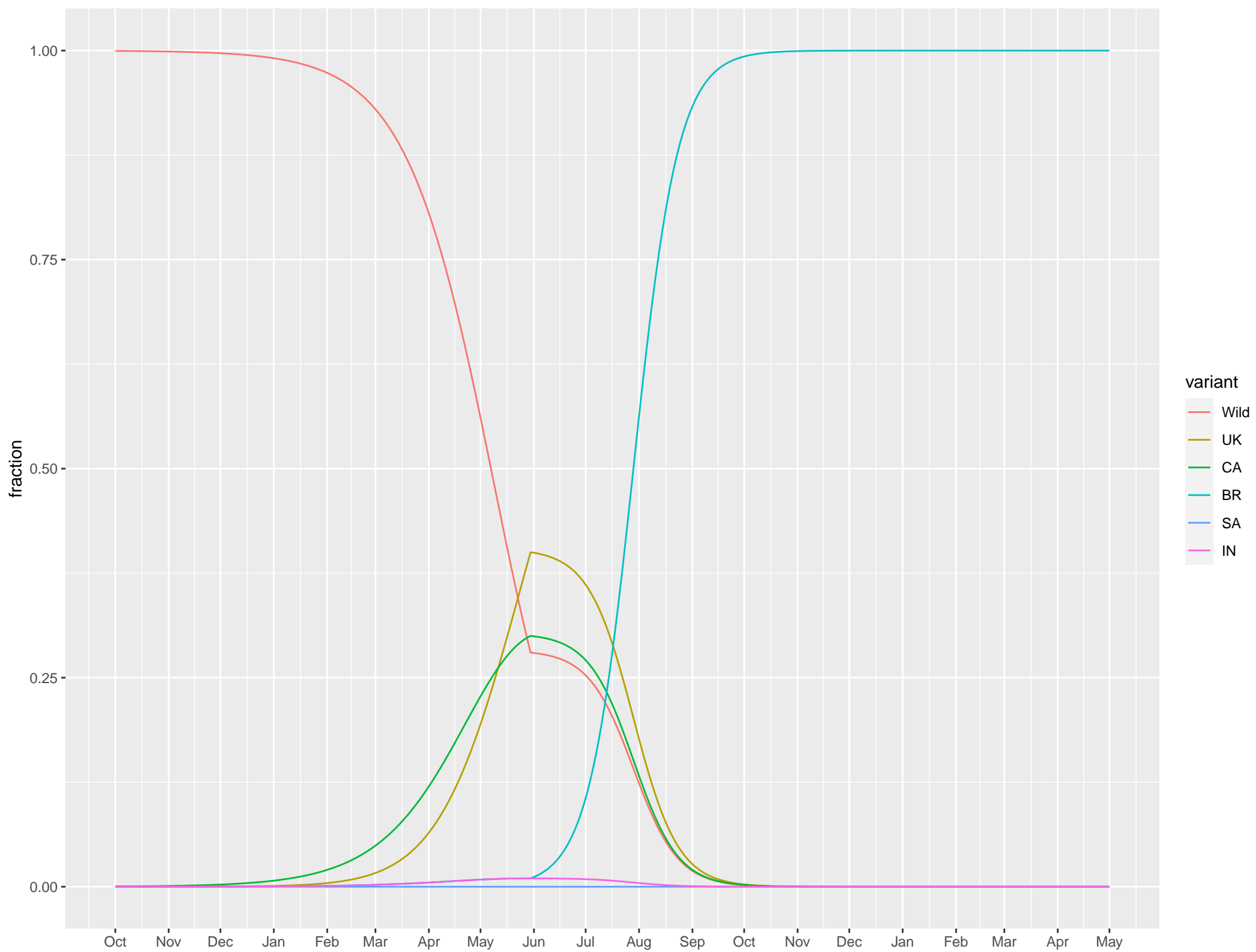
Effective contact rate relative to initial effective contact rate  
not including vaccine or variant effects



# 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

1500

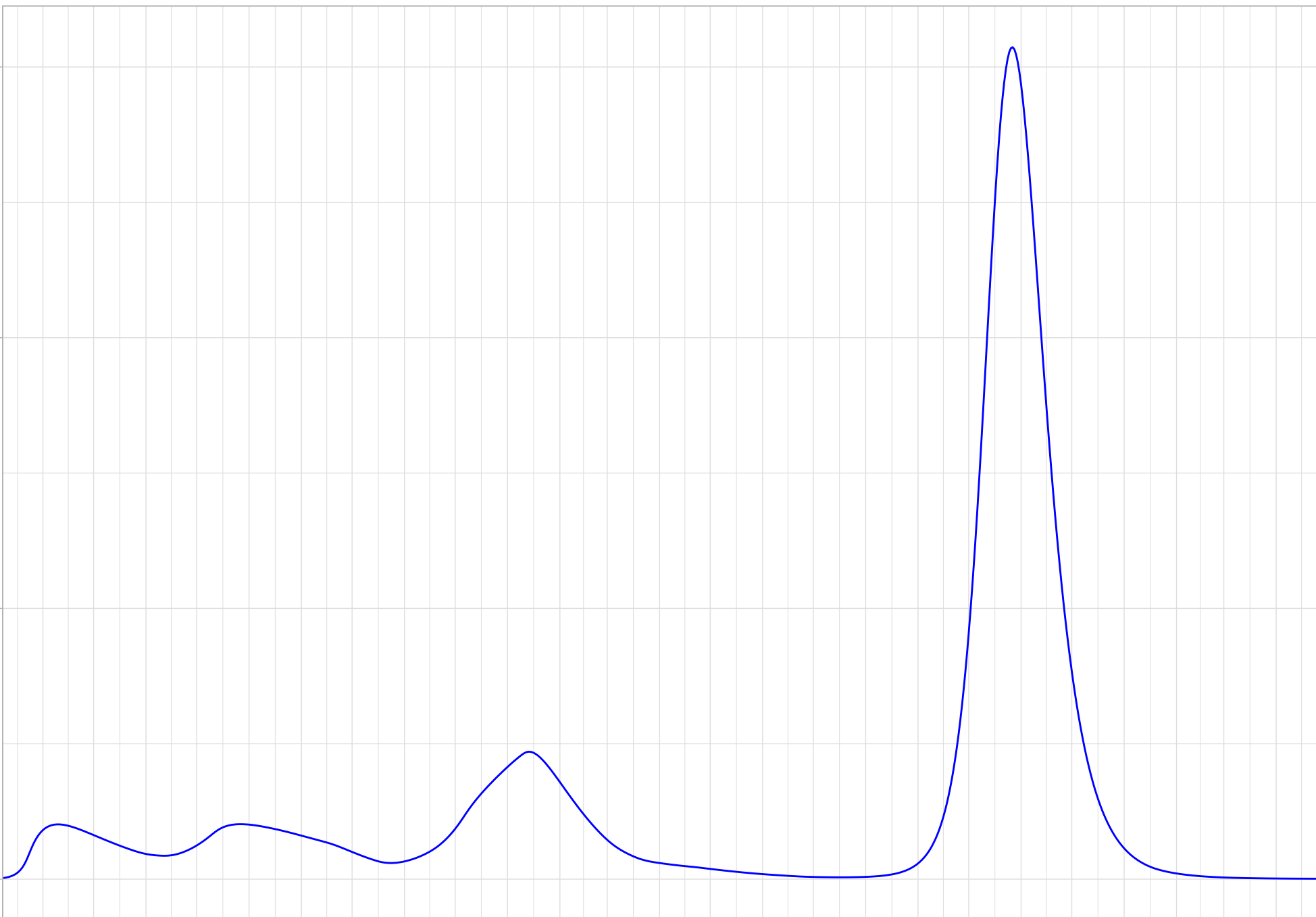
1000

500

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

300

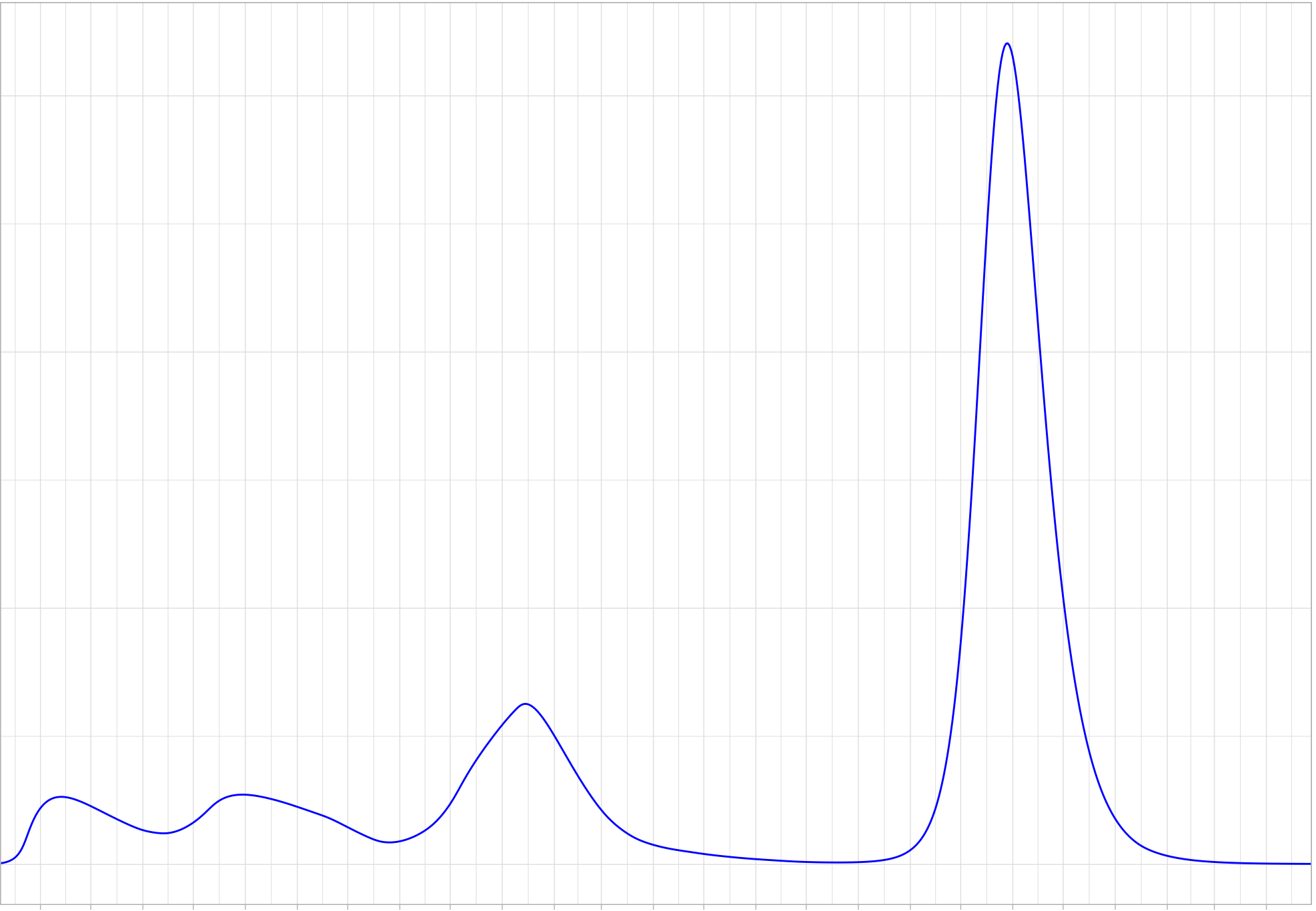
200

100

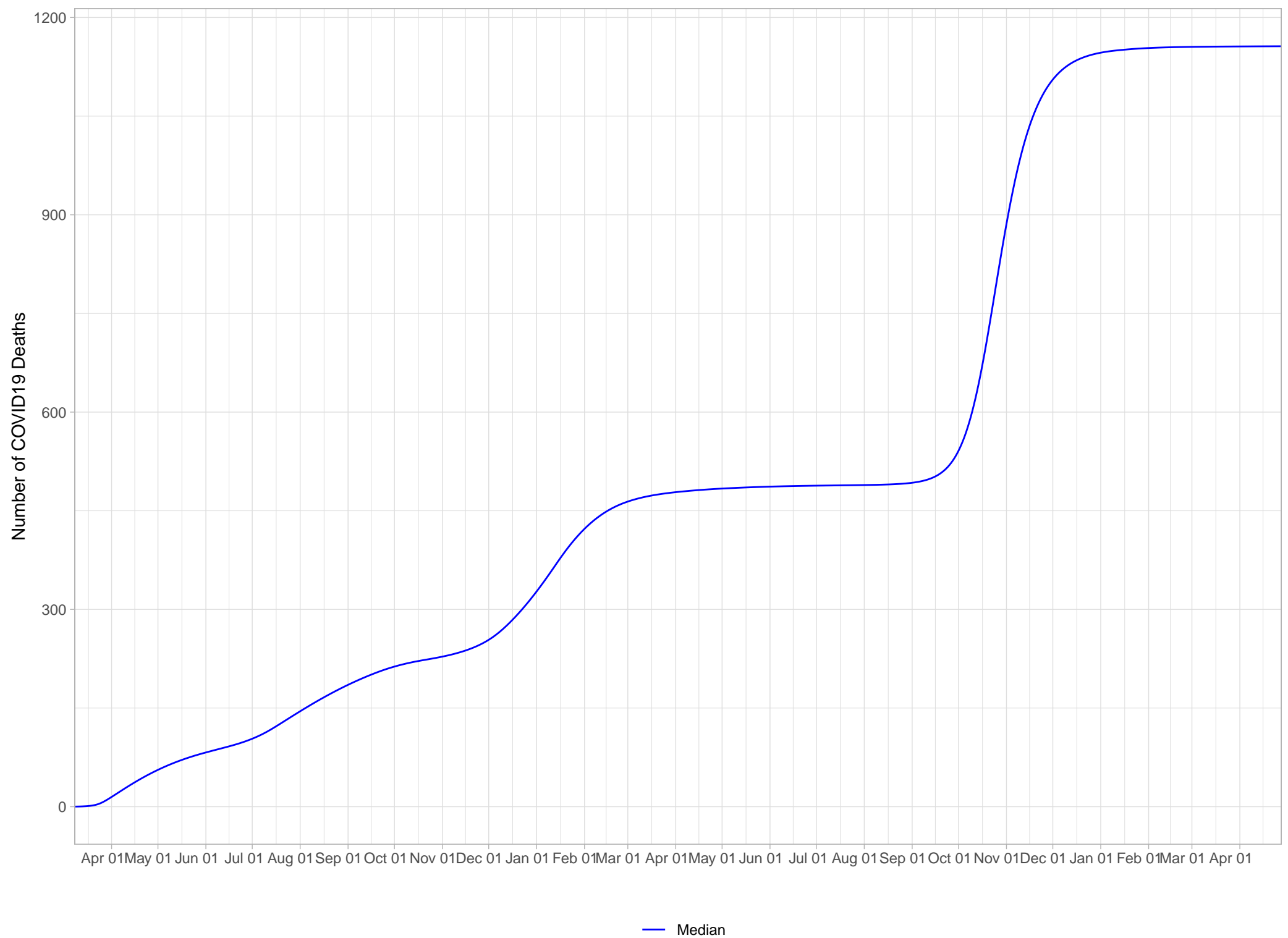
0

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

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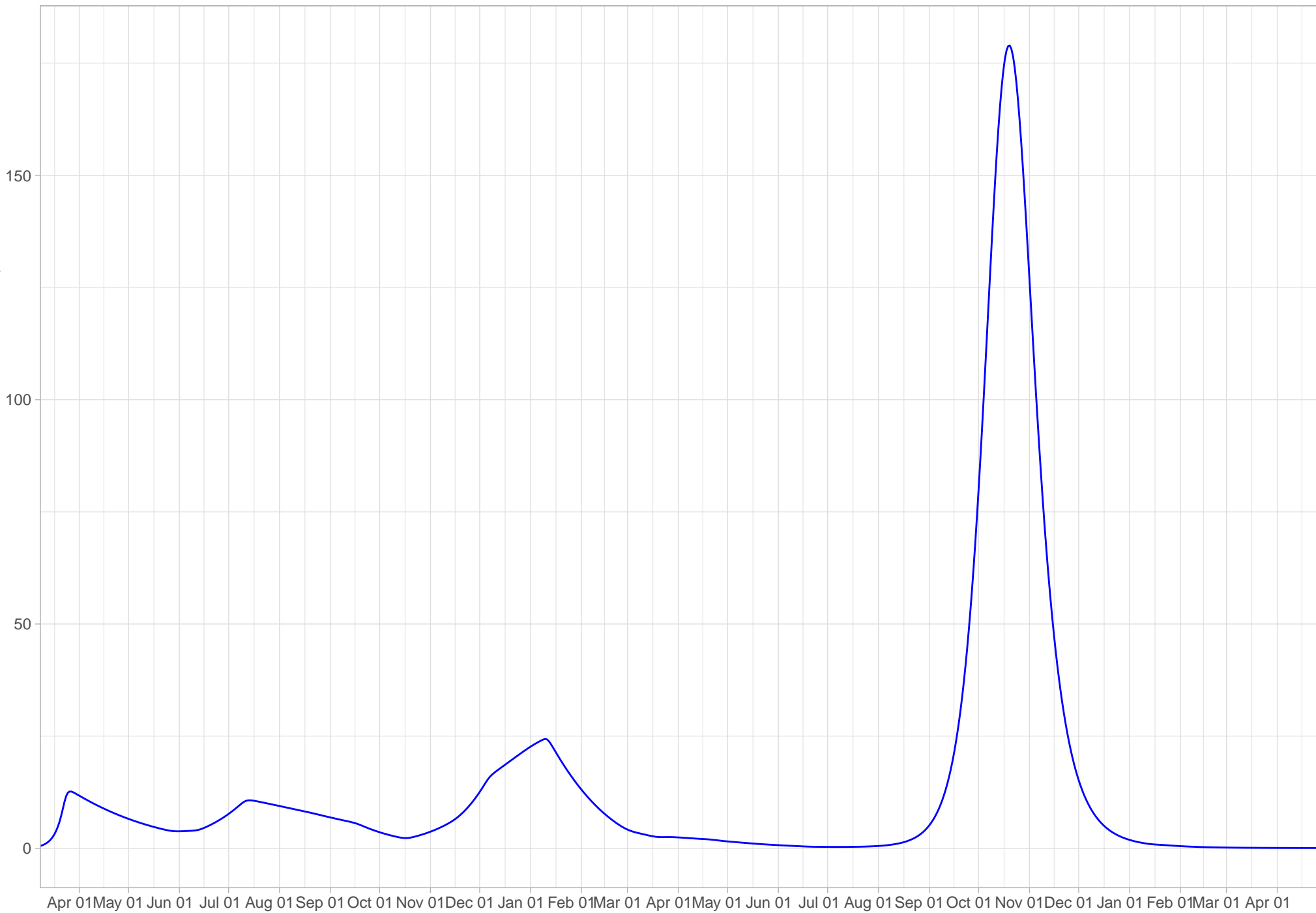


# Long Term Death Projection



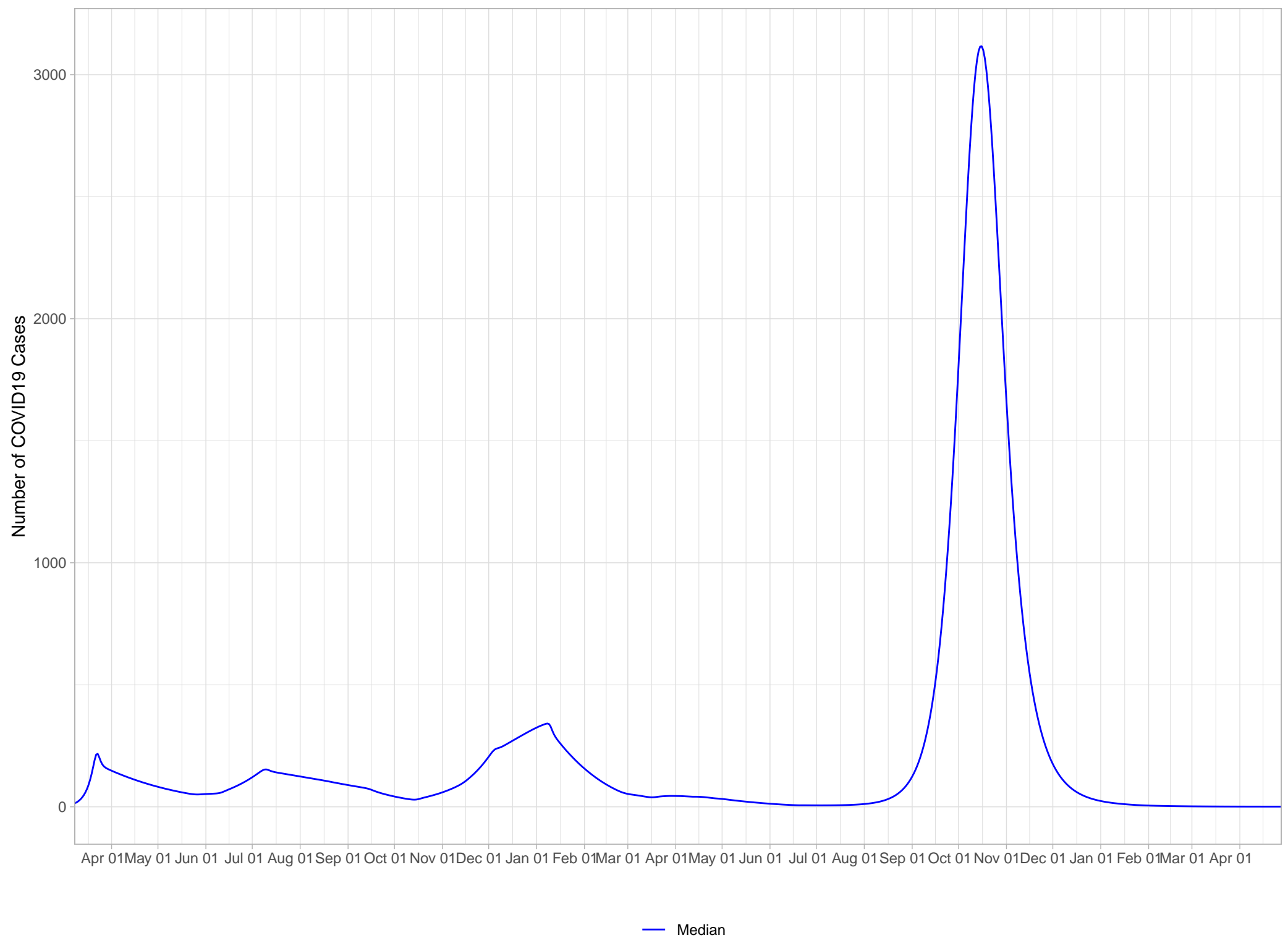
# Long Term Admissions Projection

Number of New COVID19 Admissions to Hospital



Median

# Long Term Cases Projection





# Long Term Seroprevalence Projection

