

Publication Practices during the COVID-19 Pandemic: Expedited publishing or simply an early-bird effect?

SUPPORTING INFORMATION

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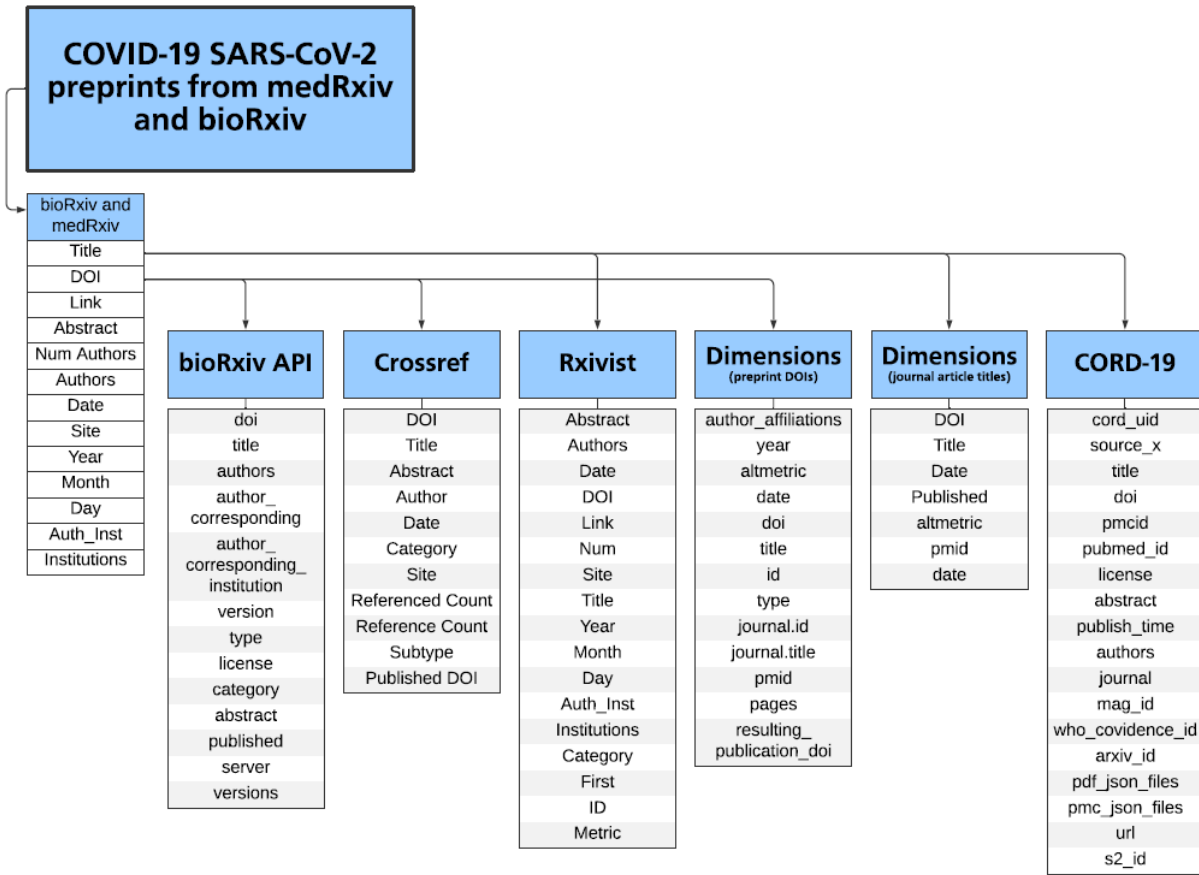
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1. Data sources

This paper examines data acquired from several sources, including the collection of COVID-19 SARS-CoV-2 preprints from medRxiv and bioRxiv [1], Crossref [2], E-utilities [3], Dimensions [4], CORD-19 [5], and CADRE [6]. Chart 1 below shows the usage of various data platforms in this study.

Chart 1. Data Flow Chart.



2. Published Collections

Shows how various data were combined to account for all published preprints (Chart 2).

BioRxiv (as of August 20, 2020)

	BioRxiv API	Dimensions (Preprints)	Dimensions (Postprints)	CORD-19
BioRxiv API	171	41	69	56
Dimensions (Preprints)	41	42	14	15
Dimensions (Postprints)	69	14	108	56
CORD-19	56	15	56	71

MedRxiv (as of November 29, 2020)

	medRxiv API	Crossref	Dimensions Preprints	Dimensions Postprints	CORD-19
medRxiv API	763	226	201	282	283
Crossref		226	201	82	105
Dimensions Preprints			206	77	93
Dimensions Postprints				514	223
CORD-19					350

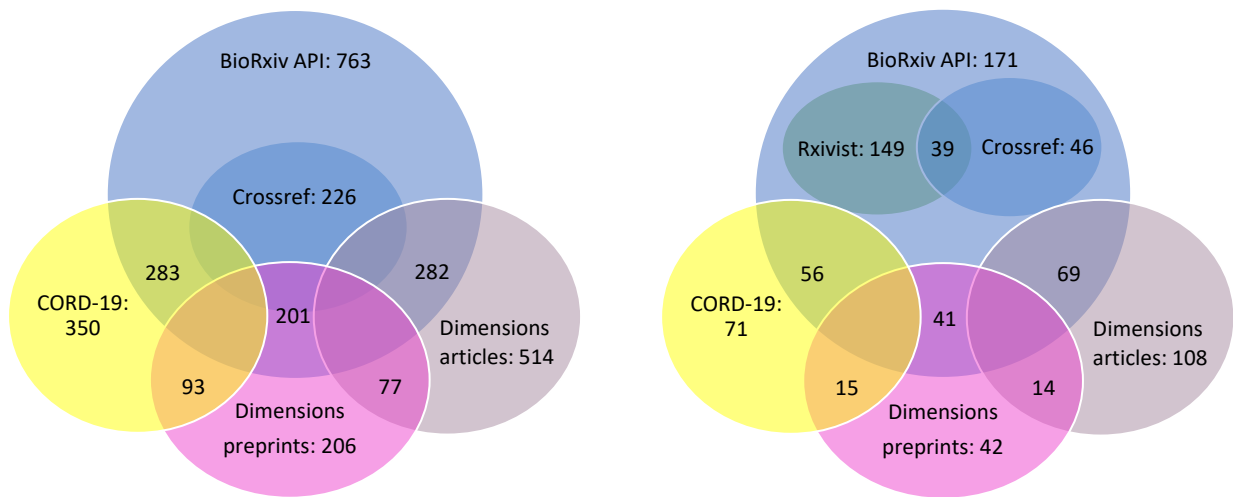


Chart 2. Venn diagrams demonstrating the number of published preprints that were discovered *via* a combination of different sources: for medRxiv preprints (left, as of Nov 29, 2020) and for bioRxiv preprints (right, as of Aug 20, 2020).

3. Analysis of publication delays

It is worth noting that none of the publication delays display a standard Gaussian distribution (Fig. 1), thus we discuss both their medians and means.

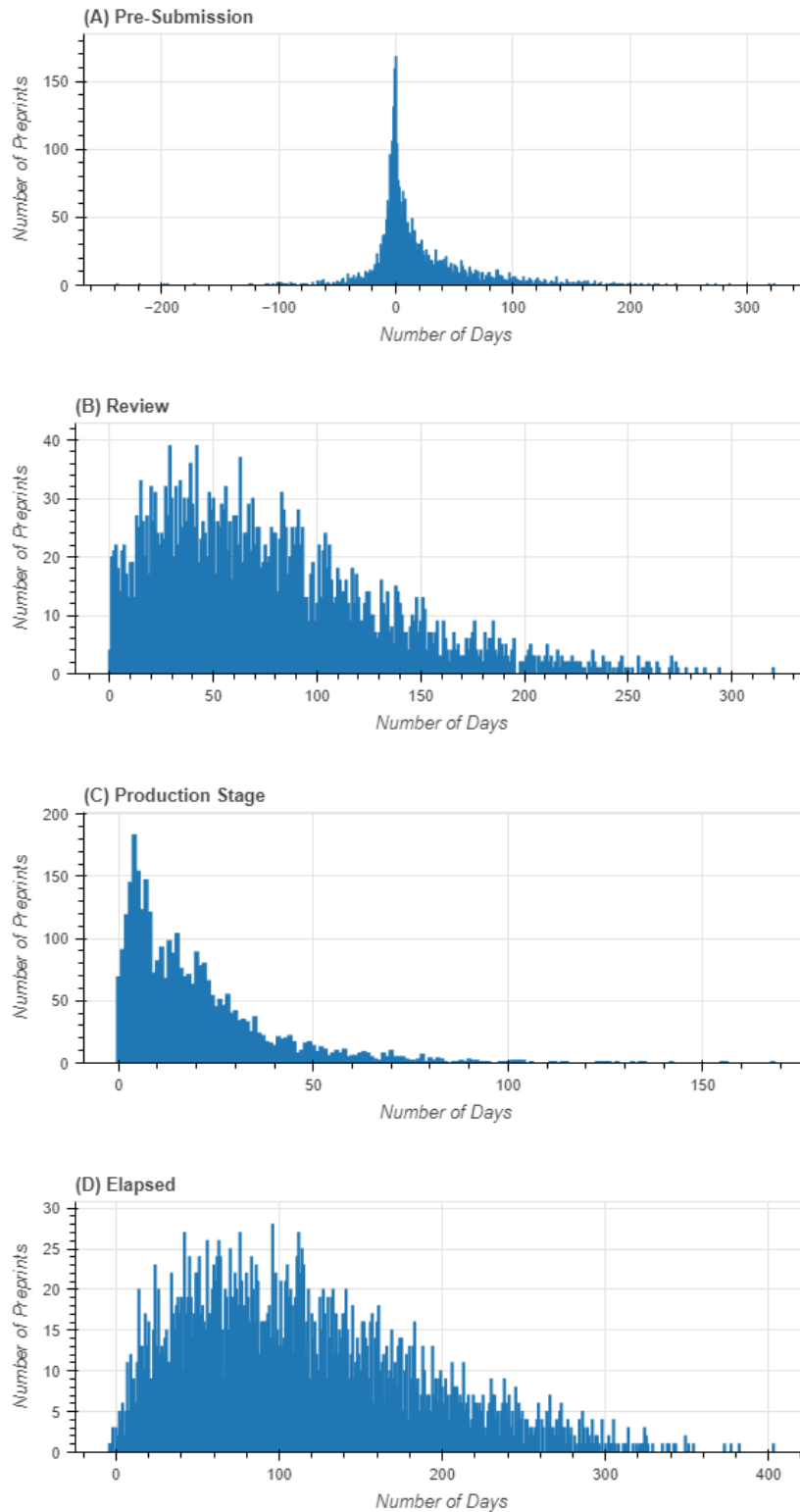


Fig. 1. Publication delays from preprint to journal publication. Number of COVID-19 combined medRxiv and bioRxiv preprints with given number of days that correspond to various

publication delays: (A) *Pre-submission time*; (B) *Review time*; (C) *Production stage time*; and (D)

Elapsed Time.

References:

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- ² Crossref [Internet]. Crossref REST API [cited 2020 Oct 7]. Available from: <https://www.crossref.org/education/retrieve-metadata/rest-api/>
- ³ Entrez Programming Utilities Help [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2010 [cited 2020 Oct 7]. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK25501/>.
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- ⁵ Lu Wang L, Lo K, Chandrasekhar Y, Reas R, Yang J, Eide D, Funk K, Kinney R, Liu Z, Merrill W, Mooney P, Murdick D, Rishi D, Sheehan J, Shen Z, Stilson B, Wade AD, Wang K, Wilhelm C, Xie B, Raymond D, Weld DS, Etzioni O, Kohlmeier S. COVID-19: The Covid-19 Open Research Dataset. ArXiv [Preprint]. 2020 Apr 22;arXiv:2004.10706v2. PubMed PMID: 32510522.
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