

**To:** Members of the American Economic Association

**From:** AEA ad hoc Committee on the Job Market: John Cawley (chair), Matt Gentzkow, Brooke Helppie-McFall, Peter Rousseau, and Wendy Stock

**Date:** October 23, 2020

**Re:** JOE job openings by sector, 2020 versus 2019, updated

This memo is an update of our memo of October 13, which compares the cumulative number of job openings in the JOE Network, by sector and week, to those in the same week in recent years.

Some clarifications on the data and graphs:

- Week of the year is defined according to the International Organization for Standardization (ISO), so the exact days contained in a given numbered week may differ slightly across years. For example, week 1 in 2020 runs from December 30, 2019 to January 5, 2020, whereas week 1 in 2019 is one day later - it runs from December 31, 2018 to January 6, 2019. This minor difference in the specific days included in each numbered week should not generate meaningful differences in the cumulative number of job openings as of October (the last quarter of the year).
- The data cover ISO weeks 1 through 42 of 2020, ending October 18, 2020.
- The counts that are graphed are the number of job *openings*. To clarify, it is not the number of job listings; a listing may include multiple openings.
- For all years, if the employer contacts JOE to say that the search is cancelled, those openings are removed from the count. They are kept in the count if the employer states that the position has been filled. Note that employers may not always contact JOE after a search has been cancelled.
- On each graph, the year-to-date cumulative number of job openings is listed for 2020 and 2019. (For the sake of clarity it is not listed for 2018 or 2017.)

The graphs are shown below, overall and by sector. The first graph (on p. 3) shows the total number of job openings in 2020, compared to 2019. While in 2019 there were 2,595 job openings on JOE at this time, in 2020 there are 1,519, which is a decrease of 41.5%.

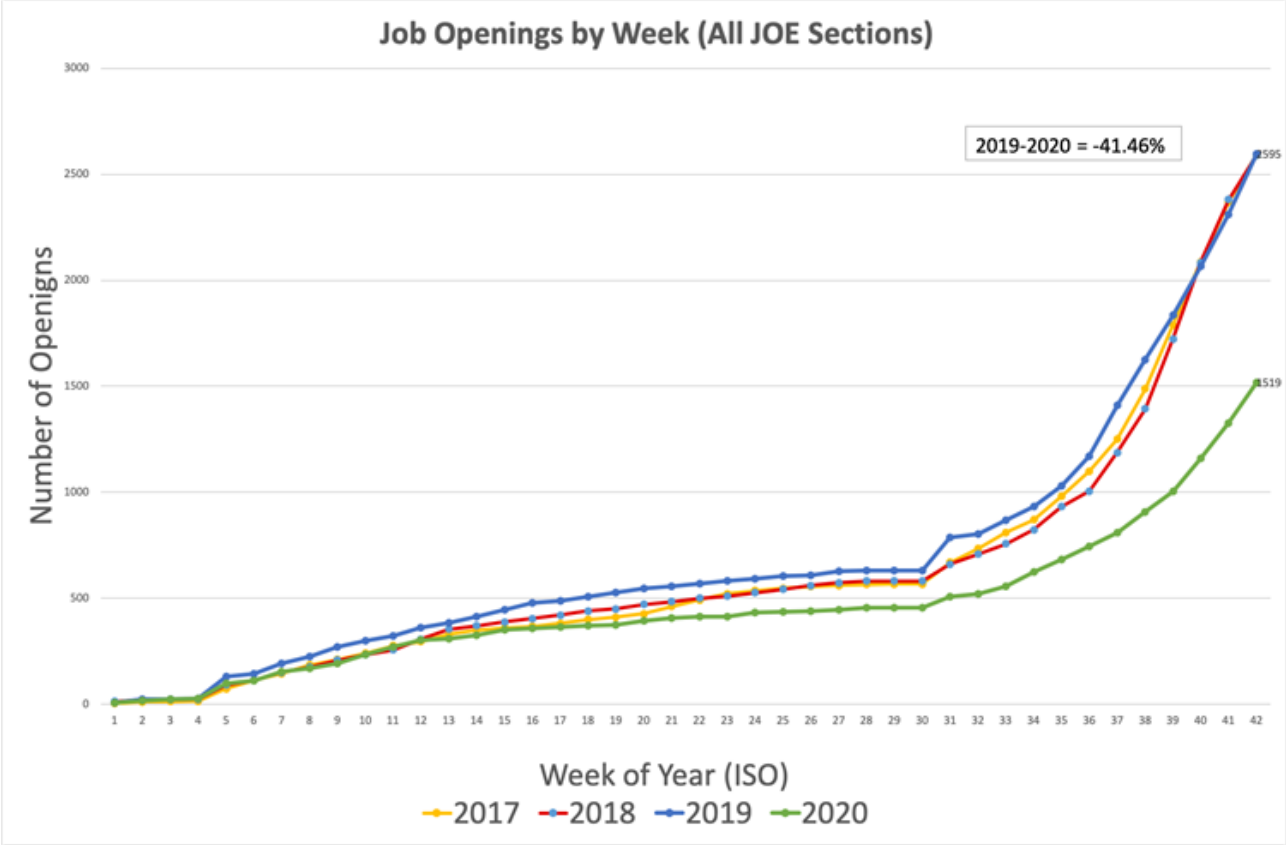
Subsequent graphs compare the number of job openings in 2020 to those in recent years, separately by sector. For example, last year (2019) at this time, JOE contained 601 job openings for full-time academic positions in the U.S.; this year that number is just 205, down nearly two-thirds (65.9%) - see p. 4.

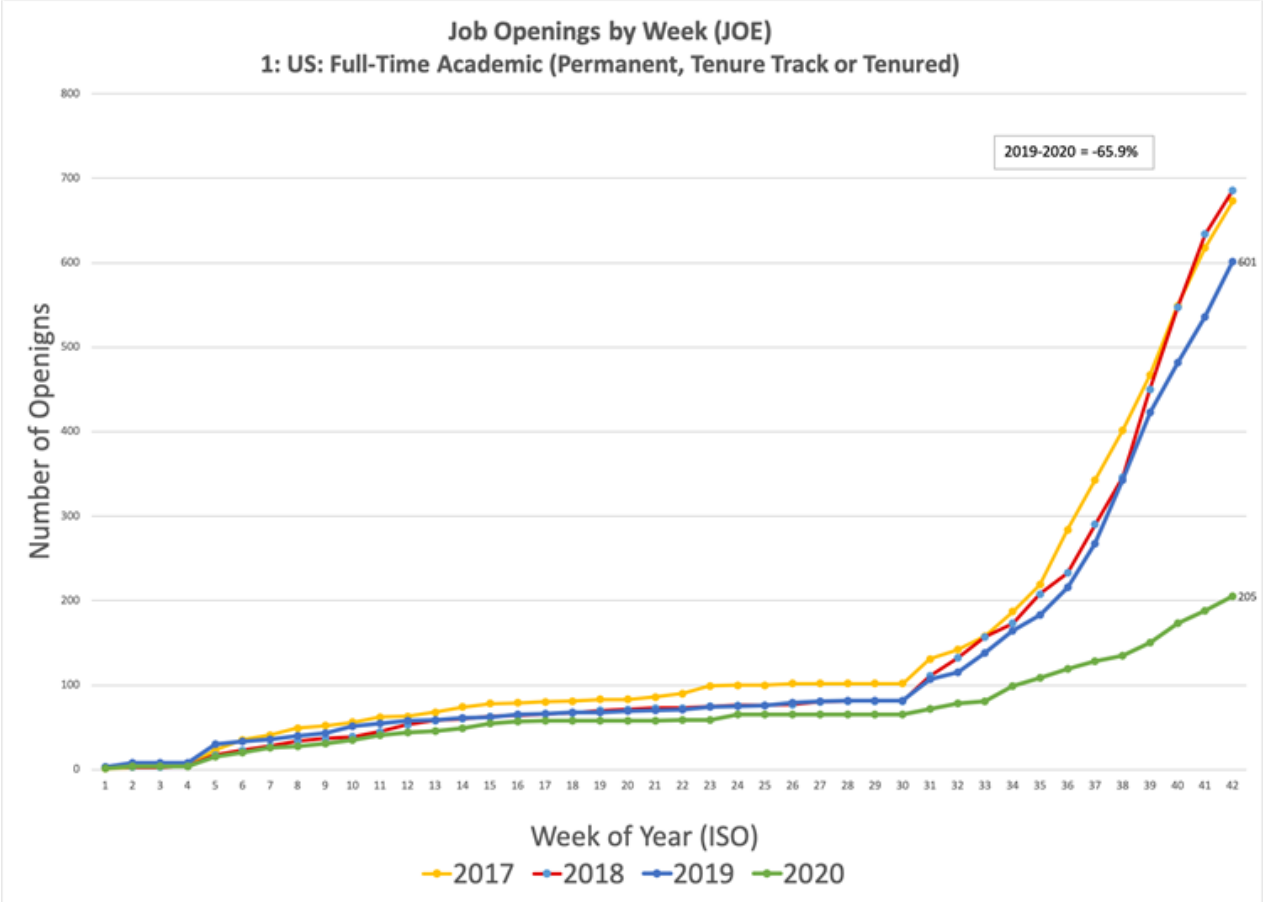
The number of full-time academic job openings is down less for institutions outside the U.S. that advertise on JOE (-40.4%) compared to U.S. academic institutions (-65.9%); however, the decrease is still substantial. In 2019, there were 783 full-time positions listed for international academic institutions; in 2020, the number is 467 - see p. 6.

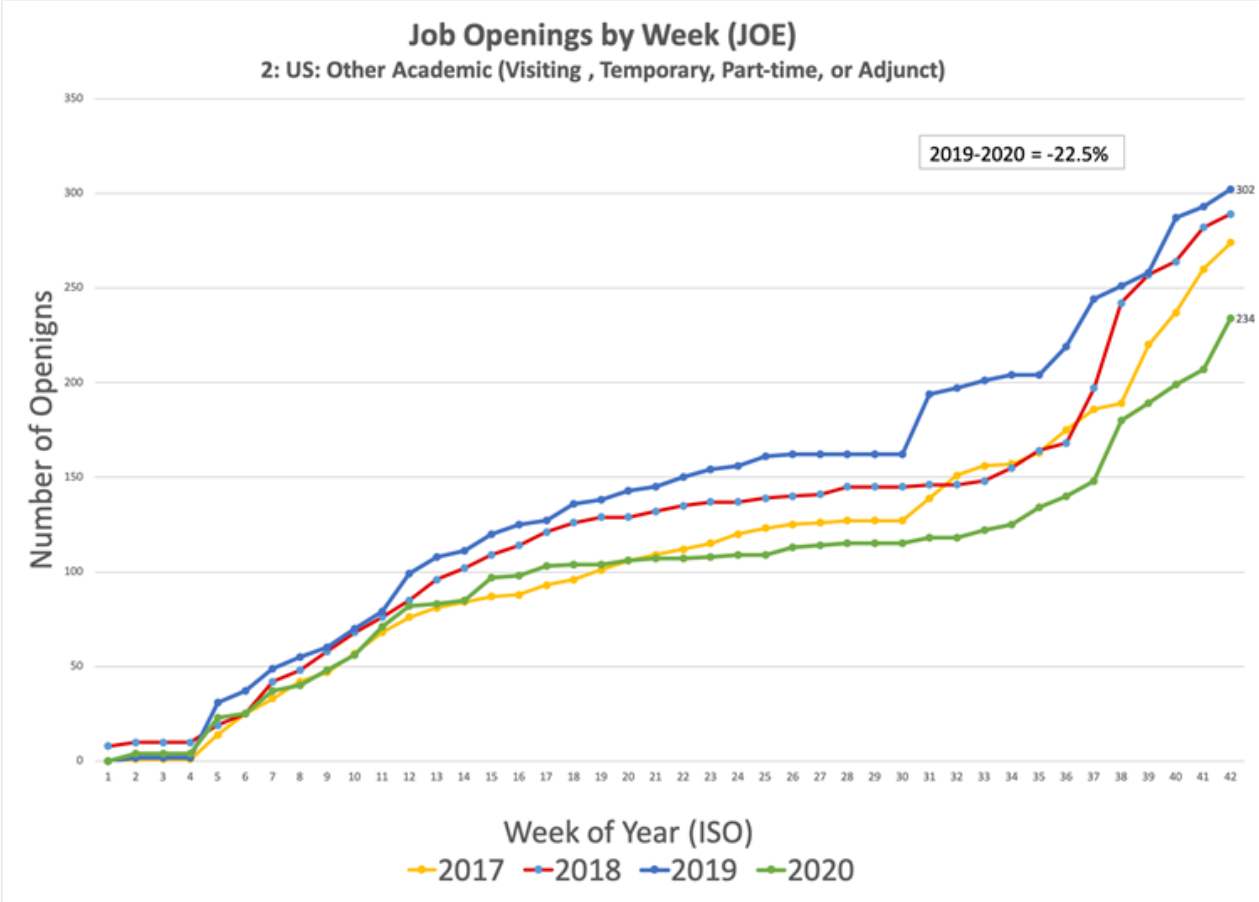
Full-time non-academic positions are less hard-hit, but are still down 29.9% in 2020 compared to 2019. At this time in 2019, JOE listed 618 non-academic jobs; this year there are 433 - see p. 8.

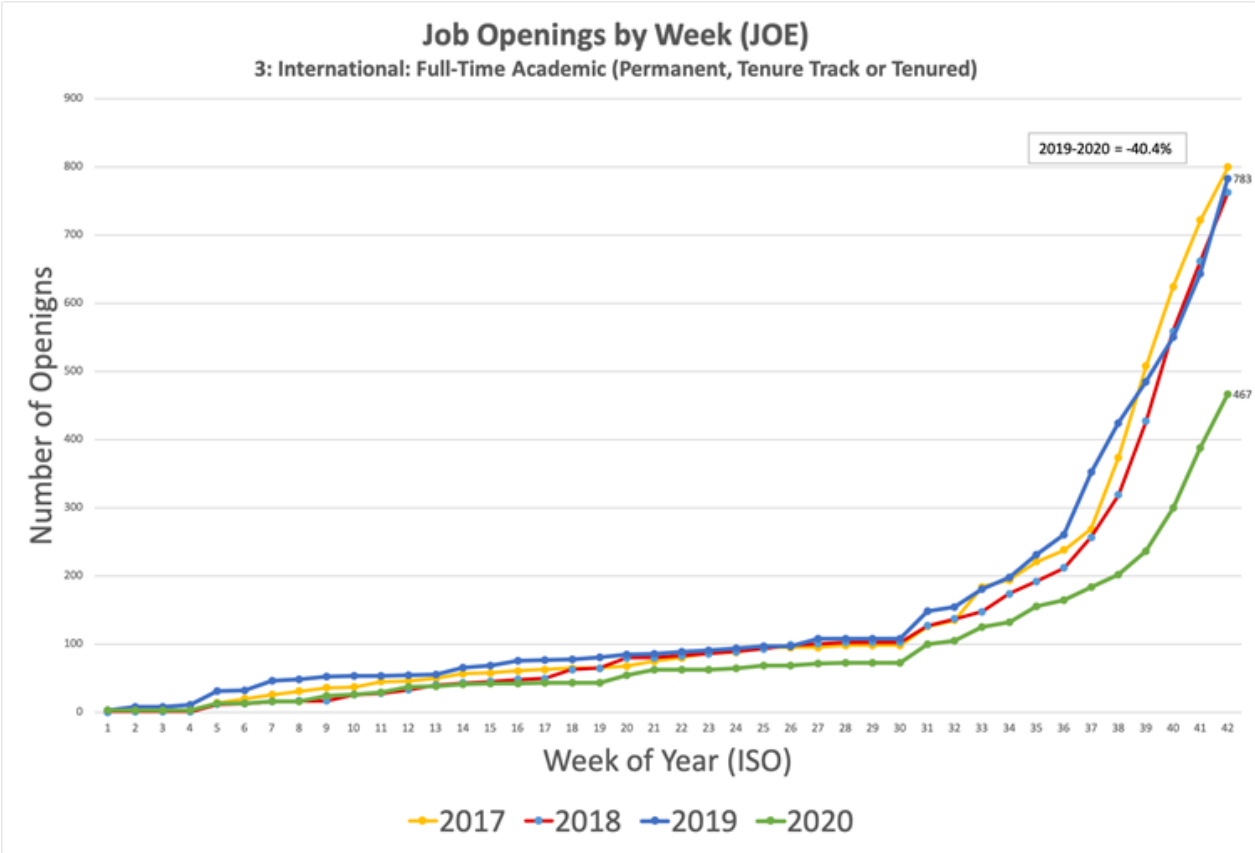
These decreases in the number of job openings in 2020 relative to the same week in 2019 may raise the question of how many more listings are likely to be posted before the end of 2020. Although we don't know the answer with certainty, in 2019, 69.9% of the calendar year's job openings were posted by the end of week 42, the period covered by our data.

In light of these substantial and striking decreases in the number of job openings, the committee reiterates its recommendation that Ph.D. programs consider offering ongoing support for Ph.D. candidates who do not find positions in 2020-21.



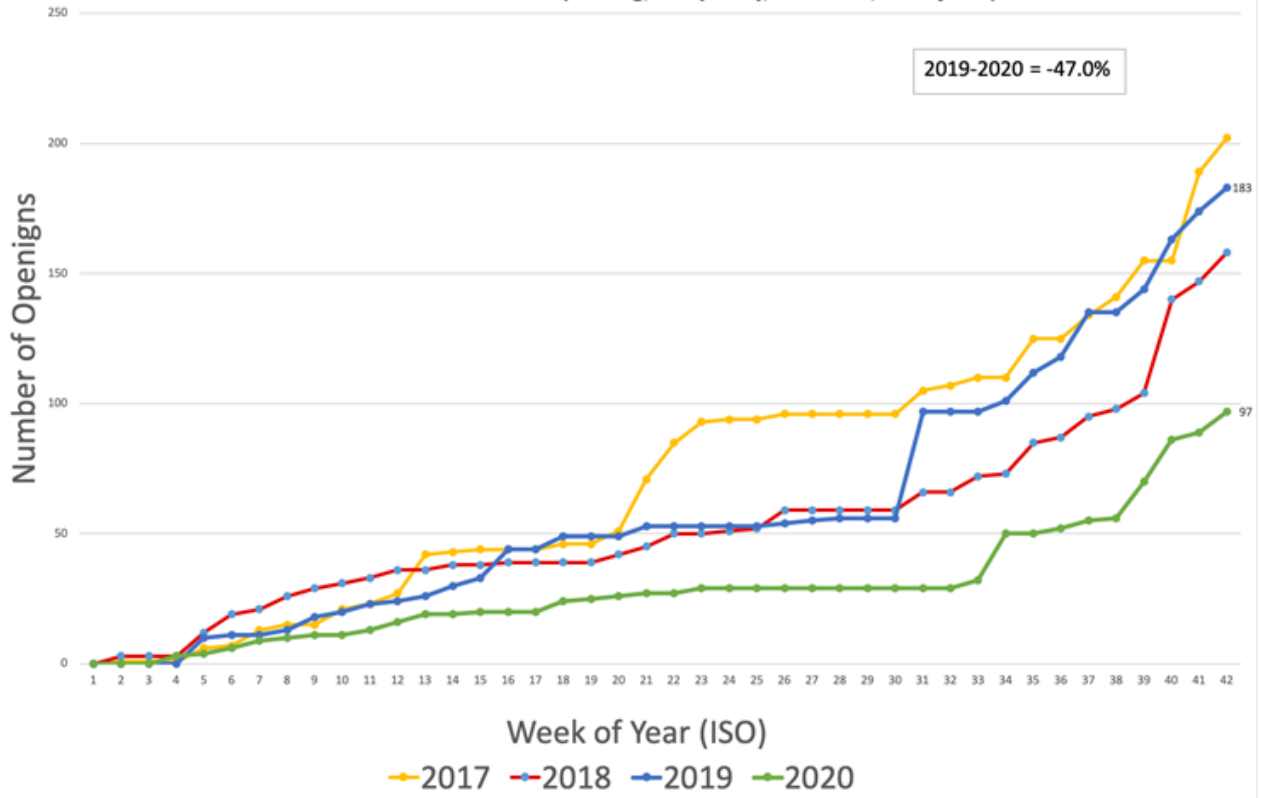


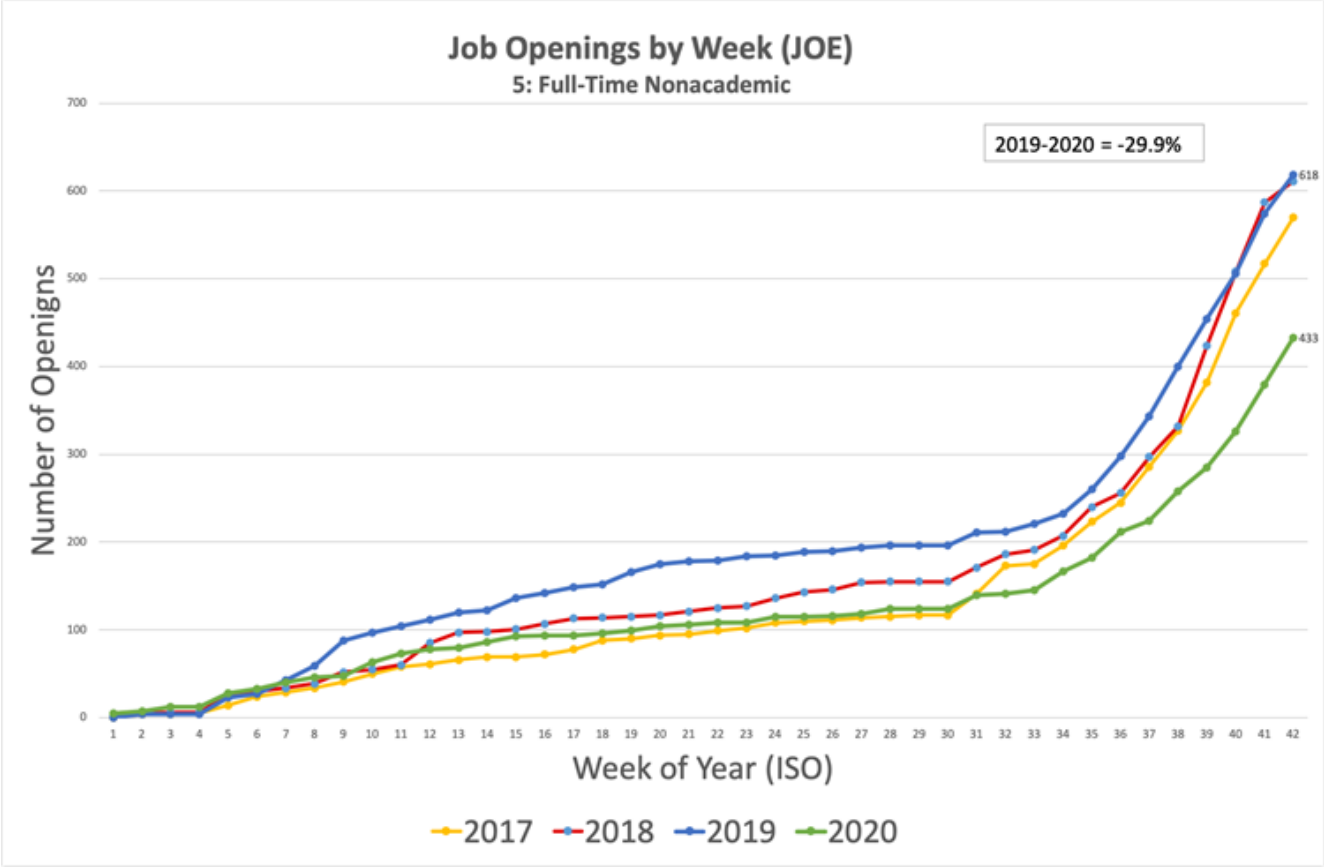




### Job Openings by Week (JOE)

4: International: Other Academic (Visiting, Temporary, Part-time, or Adjunct)







### Job Openings by Week (JOE)

6: Other Nonacademic (Temporary, Part-Time, Non-Salaried, Consulting, Etc.)

