## Appendix

## **Estimation Equation**

Figure 2 shows the point estimates,  $\beta^{k,j}$ , and the associated standard errors from the following estimation equation, which captures the effect of having a student loan on credit scores k years after the start of the COVID-19 pandemic<sup>1</sup> for an individual with an initial credit score in group j:

$$y_{it}^{j} = \alpha_i + \theta_t + \sum_{k=-K}^{T} \beta^{k,j} \cdot \mathbb{1}\{t = k \& SLH_i^j = 1\} + X_{it}\gamma + \epsilon_{it},$$

where  $y_{it}^j$  is the outcome of interest (in this case an individual's credit score),  $\alpha_i$  captures individual level effects,  $\theta_t$  captures time effects,  $\beta^{k,j}$  captures the effect of having a federal student loans k years after the start of the pandemic for an individual in credit score group j, and  $X_{it}$  is a vector of time-varying household characteristics. To reduce noise, we average credit scores (and other outcomes of interest) over each year in the sample.

We use this same approach in Figure 4 to estimate the credit score effects, but instead of comparing student loan holders (SLHs) with non-SLHs, our estimates compare SLHs who had a derogatory mark (DM) on their credit record before the pandemic with SLHs who did not have a DM. Therefore,  $\beta^{k,j}$  captures the effect of having a past student loan default on credit scores. In Figure 5, we use the same equation to estimate outcomes,  $y_{it}^j$ , for credit card limits (left panel) and balances (right panel).

## **Additional Summary Statistics**

<sup>1.</sup> Given potential reporting lags in the credit bureau data, we date the start of the pandemic (year 0) as 2020:Q2, and thus 1 year after the start is 2021:Q2 and so on. As noted in the main text, the effects are measured relative to average values for 2019.

Table 1. Credit Score Statistics

	Mean	Median	25th Pctle.	75th Pctle.	Std. Dev.
Federal Student Loan	648	672	565	740	112
No Student Loan	679	701	609	768	109

Table 2. Age Statistics

	Mean	Median	25th Pctle.	75th Pctle.	Std. Dev.
Federal Student Loan	32	31	28	35	5
No Student Loan	33	33	29	37	5