



## The Impact of the Coronavirus Pandemic on Social Security's Finances

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<https://budgetmodel.wharton.upenn.edu/estimates/2020/5/28/social-security-finances-coronavirus>

Summary: PWBM projects that the ongoing coronavirus pandemic reduces the OASDI trust fund depletion date by four years, from 2036 to 2032, under the “U-shaped” recession projected by PWBM. If the recovery is faster (“V-shaped”), the trust depletion date falls by two years, from 2036 to 2034. The conventionally-measured OASDI 75-year actuarial balance worsens between 0.07 and 0.13 percent of future payroll.

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**Table 1. Economic Effects of the CARES Act**

	75-year actuarial balance, 2020-	
	Trust fund depletion year	2094 (%)
<b>Pre-pandemic baselines:</b>		
SSA	2035	-3.21
PWBM	2036	-3.08
<b>PWBM post-pandemic baselines:</b>		
V-shaped pandemic	2034	-3.15
U-shaped pandemic	2032	-3.21
Mortality shock only	2036	-3.07
U-shaped employment shock only*	2035	-3.09
U-shaped inflation shock only	2035	-3.08
U-shaped interest shock only	2034	-3.23
* Includes reductions to AWI factor, as discussed in text.		



**Figure 1. Social Security’s Annual Non-Interest Income Balance as a Share of Taxable Payroll under each scenario**

Year	SSA: pre-pandemic	PWBM: pre-pandemic	PWBM: V-shaped pandemic	PWBM: U-shaped pandemic
	2019	-0.01	-0.01	-0.01
2020	-0.01	-0.01	-0.03	-0.04
2021	-0.01	-0.01	-0.01	-0.04
2022	-0.01	-0.01	-0.02	-0.03
2023	-0.02	-0.02	-0.02	-0.02
2024	-0.02	-0.02	-0.02	-0.02
2025	-0.02	-0.02	-0.02	-0.02
2026	-0.02	-0.02	-0.02	-0.02
2027	-0.02	-0.03	-0.02	-0.03
2028	-0.02	-0.03	-0.03	-0.03
2029	-0.03	-0.03	-0.03	-0.03
2030	-0.03	-0.03	-0.03	-0.03
2031	-0.03	-0.03	-0.03	-0.03
2032	-0.03	-0.03	-0.03	-0.03
2033	-0.03	-0.03	-0.03	-0.03
2034	-0.03	-0.03	-0.03	-0.03
2035	-0.03	-0.03	-0.03	-0.03
2036	-0.03	-0.04	-0.03	-0.03
2037	-0.03	-0.04	-0.03	-0.03
2038	-0.04	-0.04	-0.04	-0.03
2039	-0.04	-0.04	-0.03	-0.03
2040	-0.04	-0.04	-0.03	-0.03
2041	-0.04	-0.04	-0.04	-0.03
2042	-0.04	-0.04	-0.04	-0.03
2043	-0.04	-0.04	-0.04	-0.03
2044	-0.04	-0.04	-0.04	-0.03
2045	-0.04	-0.04	-0.04	-0.03
2046	-0.04	-0.04	-0.04	-0.03
2047	-0.04	-0.04	-0.04	-0.03
2048	-0.04	-0.04	-0.03	-0.03



2049	-0.04	-0.04	-0.04	-0.03
2050	-0.04	-0.04	-0.04	-0.03
2051	-0.04	-0.04	-0.04	-0.04
2052	-0.04	-0.04	-0.04	-0.04
2053	-0.04	-0.04	-0.04	-0.04
2054	-0.04	-0.04	-0.04	-0.04
2055	-0.04	-0.04	-0.04	-0.04
2056	-0.04	-0.04	-0.04	-0.04
2057	-0.04	-0.04	-0.04	-0.04
2058	-0.04	-0.04	-0.04	-0.04
2059	-0.04	-0.04	-0.04	-0.04
2060	-0.04	-0.04	-0.04	-0.04
2061	-0.04	-0.04	-0.04	-0.04
2062	-0.04	-0.04	-0.04	-0.04
2063	-0.04	-0.04	-0.04	-0.04
2064	-0.04	-0.04	-0.04	-0.04
2065	-0.04	-0.04	-0.04	-0.04
2066	-0.04	-0.04	-0.04	-0.04
2067	-0.04	-0.04	-0.04	-0.04
2068	-0.04	-0.04	-0.04	-0.04
2069	-0.04	-0.04	-0.04	-0.04
2070	-0.04	-0.04	-0.04	-0.04
2071	-0.05	-0.04	-0.04	-0.04
2072	-0.05	-0.04	-0.04	-0.04
2073	-0.05	-0.04	-0.04	-0.04
2074	-0.05	-0.04	-0.04	-0.04
2075	-0.05	-0.04	-0.04	-0.04
2076	-0.05	-0.04	-0.04	-0.04
2077	-0.05	-0.04	-0.04	-0.04
2078	-0.05	-0.04	-0.04	-0.04
2079	-0.05	-0.04	-0.04	-0.04
2080	-0.05	-0.04	-0.04	-0.04
2081	-0.05	-0.04	-0.04	-0.04
2082	-0.05	-0.04	-0.04	-0.04



2083	-0.05	-0.04	-0.04	-0.04
2084	-0.05	-0.04	-0.04	-0.04
2085	-0.05	-0.04	-0.04	-0.04
2086	-0.05	-0.04	-0.04	-0.04
2087	-0.05	-0.04	-0.04	-0.04
2088	-0.05	-0.04	-0.04	-0.04
2089	-0.05	-0.05	-0.05	-0.05
2090	-0.05	-0.05	-0.05	-0.05
2091	-0.05	-0.05	-0.05	-0.05
2092	-0.05	-0.05	-0.05	-0.05
2093	-0.05	-0.05	-0.05	-0.05
2094	-0.05	-0.05	-0.05	-0.05
2095	-0.05	-0.05	-0.05	-0.05