Appendices

A Solvency, Liquidity, and Profitability Risks

A.1 Solvency Risk

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
RID_{t-1}	0.038***	0.046***	0.042**	0.118**	0.152***	0.105*
	(0.013)	(0.014)	(0.017)	(0.049)	(0.051)	(0.063)
$\text{RID}_{t-1}\times$2020:Q1	0.032			0.161		
	(0.046)			(0.161)		
$\text{RID}_{t-1}\times$2020:Q2		-0.061*			-0.200*	
		(0.031)			(0.107)	
$\text{RID}_{t-1}\times$2020:Q3			-0.007			0.040
			(0.023)			(0.087)
Cash Holdings_{t-1}	0.211***	0.209***	0.210***	0.960***	0.954***	0.953***
	(0.066)	(0.066)	(0.066)	(0.228)	(0.227)	(0.228)
Undrawn CL_{t-1}	0.090*	0.084*	0.090*	-0.291*	-0.315*	-0.303*
	(0.048)	(0.048)	(0.048)	(0.164)	(0.164)	(0.166)
P/B_{t-1}	-0.006***	-0.006***	-0.006***	-0.029***	-0.029***	-0.028***
	(0.002)	(0.002)	(0.002)	(0.008)	(0.007)	(0.008)
$\log(\text{Assets})_{t-1}$	0.004*	0.003	0.004*	0.016**	0.015**	0.016**
	(0.002)	(0.002)	(0.002)	(0.008)	(0.008)	(0.008)
Tangible Assets_{t-1}	-0.068***	-0.067***	-0.068***	-0.312***	-0.305***	-0.306***
	(0.020)	(0.020)	(0.020)	(0.068)	(0.068)	(0.069)
Leverage_{t-1}	0.053*	0.052*	0.053*	0.172*	0.170*	0.170*
	(0.030)	(0.029)	(0.030)	(0.101)	(0.101)	(0.101)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	388	388	388	381	381	381
R^2	0.135	0.143	0.134	0.153	0.159	0.151

Table A1. **Drawdowns and Solvency Risk in 2020 COVID-19 Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the risky-investment-to-debt (RID) ratio and the time dummies indicating different quarters (Q1 - Q3) in 2020. Controls contain cash and cash equivalents, unused credit lines, the price-to-book ratio, the logarithm of total assets, tangible assets, and the leverage ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
RID_{t-1}	-0.068***	-0.069***	-0.069***	-0.118***	-0.120***	-0.124***
	(0.012)	(0.012)	(0.013)	(0.027)	(0.027)	(0.030)
$\text{RID}_{t-1}\times$2008:Q2	-0.029			-0.089		
	(0.046)			(0.107)		
$\text{RID}_{t-1}\times$2008:Q3		0.002			0.003	
		(0.037)			(0.087)	
$\text{RID}_{t-1}\times$2008:Q4			-0.000			0.015
			(0.024)			(0.056)
Cash Holdings_{t-1}	0.037	0.039	0.039	0.237***	0.243***	0.242***
	(0.029)	(0.029)	(0.029)	(0.067)	(0.067)	(0.067)
Undrawn CL_{t-1}	0.008***	0.008***	0.008***	0.012***	0.012***	0.012***
	(0.002)	(0.002)	(0.002)	(0.004)	(0.004)	(0.004)
P/B_{t-1}	0.004***	0.004***	0.004***	0.002	0.002	0.002
	(0.001)	(0.001)	(0.001)	(0.002)	(0.002)	(0.002)
$\log(\text{Assets})_{t-1}$	0.004	0.004	0.004	0.020***	0.020***	0.020***
	(0.003)	(0.003)	(0.003)	(0.006)	(0.006)	(0.006)
Tangible Assets_{t-1}	-0.077***	-0.078***	-0.078***	-0.360***	-0.363***	-0.363***
	(0.025)	(0.025)	(0.025)	(0.058)	(0.058)	(0.058)
Leverage_{t-1}	0.022	0.023	0.023	0.034	0.037	0.038
	(0.030)	(0.030)	(0.030)	(0.070)	(0.070)	(0.070)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	489	489	489	490	490	490
Adjusted R^2	0.235	0.234	0.234	0.232	0.231	0.231

Table A2. **Drawdowns and Solvency Risk in 2008 Financial Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the risky-investment-to-debt (RID) ratio and the time dummies indicating different quarters (Q2 - Q4) in 2008. Controls contain cash and cash equivalents, unused credit lines, the price-to-book ratio, the logarithm of total assets, tangible assets, and the leverage ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
RID_{t-1}	0.006**	0.006**	0.006**	0.015**	0.014**	0.014**
	(0.003)	(0.003)	(0.003)	(0.007)	(0.006)	(0.006)
$\text{RID}_{t-1}\times$2012:Q2	-0.003			-0.008		
	(0.007)			(0.017)		
$\text{RID}_{t-1}\times$2012:Q3		0.002			0.015	
		(0.009)			(0.022)	
$\text{RID}_{t-1}\times$2012:Q4			0.003			0.010
			(0.011)			(0.027)
Cash Holdings_{t-1}	0.010	0.010	0.010	0.156***	0.156***	0.156***
	(0.014)	(0.014)	(0.014)	(0.032)	(0.032)	(0.032)
Undrawn CL_{t-1}	0.357***	0.358***	0.357***	0.373***	0.373***	0.373***
	(0.031)	(0.031)	(0.031)	(0.072)	(0.072)	(0.072)
P/B_{t-1}	0.000	0.000	0.000	-0.001	-0.001	-0.001
	(0.001)	(0.001)	(0.001)	(0.002)	(0.002)	(0.002)
$\log(\text{Assets})_{t-1}$	-0.003**	-0.003**	-0.003**	0.009***	0.009***	0.009***
	(0.001)	(0.001)	(0.001)	(0.003)	(0.003)	(0.003)
Tangible Assets_{t-1}	-0.010	-0.010	-0.010	-0.156***	-0.156***	-0.156***
	(0.014)	(0.014)	(0.014)	(0.032)	(0.032)	(0.032)
Leverage_{t-1}	0.131***	0.131***	0.131***	0.186***	0.186***	0.186***
	(0.018)	(0.018)	(0.018)	(0.042)	(0.042)	(0.042)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	1418	1418	1418	1418	1418	1418
Adjusted R^2	0.213	0.213	0.213	0.149	0.149	0.149

Table A3. **Drawdowns and Solvency Risk in 2012 European Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the risky-investment-to-debt (RID) ratio and the time dummies indicating different quarters (Q2 - Q4) in 2012. Controls contain cash and cash equivalents, unused credit lines, the price-to-book ratio, the logarithm of total assets, tangible assets, and the leverage ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

A.2 Liquidity Risk

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
Distress_t	-0.041	-0.037	-0.058	-0.123	-0.117	-0.168*
	(0.036)	(0.036)	(0.038)	(0.091)	(0.091)	(0.096)
$\text{Distress}_t \times$2008:Q2	0.001			-0.054		
	(0.070)			(0.176)		
$\text{Distress}_t \times$2008:Q3		-0.059			-0.128	
		(0.067)			(0.169)	
$\text{Distress}_t \times$2008:Q4			0.066			0.165
			(0.048)			(0.120)
Cash Holdings_t	-0.135**	-0.138**	-0.139**	-0.534***	-0.539***	-0.541***
	(0.054)	(0.054)	(0.054)	(0.136)	(0.136)	(0.136)
$\log(\text{P/B})_t$	-0.016***	-0.016***	-0.016***	-0.048***	-0.048***	-0.048***
	(0.005)	(0.005)	(0.005)	(0.012)	(0.012)	(0.012)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	916	916	916	917	917	917
Adjusted R^2	0.081	0.082	0.083	0.133	0.133	0.134

Table A4. **Drawdowns and Liquidity Distress in 2008 Financial Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the liquidity distress, measured by short-term debt less cash and cash equivalents and net income scaled by total assets, and the time dummies indicating different quarters (Q2 - Q4) in 2008. Controls contain cash and cash equivalents and the logarithm of the price-to-book ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
Distress_t	0.071***	0.070***	0.069***	0.088**	0.081**	0.063*
	(0.015)	(0.015)	(0.015)	(0.036)	(0.035)	(0.036)
$\text{Distress}_t \times$2012:Q2	-0.039			-0.085		
	(0.049)			(0.118)		
$\text{Distress}_t \times$2012:Q3		-0.011			0.084	
		(0.046)			(0.108)	
$\text{Distress}_t \times$2012:Q4			0.016			0.248***
			(0.034)			(0.082)
Cash Holdings_t	-0.019	-0.019	-0.019	-0.253***	-0.252***	-0.256***
	(0.023)	(0.023)	(0.023)	(0.055)	(0.055)	(0.055)
$\log(\text{P/B})_t$	0.006***	0.006***	0.005***	0.010**	0.010**	0.010**
	(0.002)	(0.002)	(0.002)	(0.005)	(0.005)	(0.005)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	3232	3232	3232	3234	3234	3234
Adjusted R^2	0.112	0.112	0.112	0.116	0.116	0.118

Table A5. **Drawdowns and Liquidity Distress in 2012 European Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the liquidity distress, measured by short-term debt less cash and cash equivalents and net income scaled by total assets, and the time dummies indicating different quarters (Q2 - Q4) in 2012. Controls contain cash and cash equivalents and the logarithm of the price-to-book ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

A.3 Profitability Risk

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
EBITDA$_t$	-0.218**	-0.214**	-0.248**	-0.365	-0.383	-0.558*
	(0.096)	(0.096)	(0.115)	(0.260)	(0.260)	(0.310)
EBITDA$_t$×2008:Q2	0.136			0.261		
	(0.342)			(0.921)		
EBITDA$_t$×2008:Q3		0.074			0.592	
		(0.352)			(0.949)	
EBITDA$_t$×2008:Q4			0.111			0.600
			(0.190)			(0.510)
Cash Holdings$_t$	-0.031	-0.031	-0.031	-0.258***	-0.257***	-0.260***
	(0.033)	(0.033)	(0.033)	(0.089)	(0.089)	(0.089)
log(Assets)$_t$	0.003	0.003	0.003	0.016***	0.016***	0.017***
	(0.002)	(0.002)	(0.002)	(0.005)	(0.005)	(0.005)
Leverage$_t$	0.082***	0.082***	0.081***	0.186***	0.187***	0.180***
	(0.023)	(0.023)	(0.023)	(0.063)	(0.063)	(0.063)
P/B$_t$	-0.001	-0.001	-0.001	-0.003	-0.003	-0.003
	(0.001)	(0.001)	(0.001)	(0.004)	(0.004)	(0.004)
Undrawn CL$_t$	0.154***	0.154***	0.155***	0.061	0.060	0.065
	(0.027)	(0.027)	(0.027)	(0.072)	(0.072)	(0.072)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	817	817	817	818	818	818
Adjusted R^2	0.132	0.132	0.133	0.141	0.141	0.142

Table A6. **Drawdowns and Profitability in 2008 Financial Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are earnings before interest, taxes, depreciation, and amortization (EBITDA) scaled by total assets and the time dummies indicating different quarters (Q2 - Q4) in 2008. Controls contain cash and cash equivalents, the logarithm of total assets, the leverage ratio, the price-to-book ratio, and unused credit lines. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
EBITDA_t	-0.103**	-0.090**	-0.115***	-0.195*	-0.136	-0.170
	(0.040)	(0.040)	(0.042)	(0.104)	(0.105)	(0.109)
$\text{EBITDA}_t \times$2012:Q2	-0.005			0.339		
	(0.261)			(0.679)		
$\text{EBITDA}_t \times$2012:Q3		-0.307*			-1.241***	
		(0.181)			(0.470)	
$\text{EBITDA}_t \times$2012:Q4			0.115			-0.163
			(0.119)			(0.309)
Cash Holdings_t	-0.018	-0.018	-0.017	-0.229***	-0.228***	-0.231***
	(0.016)	(0.016)	(0.016)	(0.042)	(0.042)	(0.042)
$\log(\text{Assets})_t$	-0.001	-0.001	-0.001	0.007***	0.007***	0.007***
	(0.001)	(0.001)	(0.001)	(0.002)	(0.002)	(0.002)
Leverage_t	0.091***	0.091***	0.091***	0.115***	0.115***	0.114***
	(0.012)	(0.012)	(0.012)	(0.030)	(0.030)	(0.030)
P/B_t	0.001	0.001	0.001	0.002	0.001	0.002
	(0.001)	(0.001)	(0.001)	(0.002)	(0.002)	(0.002)
Undrawn CL_t	0.351***	0.351***	0.351***	0.284***	0.283***	0.282***
	(0.021)	(0.021)	(0.021)	(0.056)	(0.056)	(0.056)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	2931	2931	2931	2933	2933	2933
Adjusted R^2	0.164	0.165	0.165	0.118	0.120	0.118

Table A7. **Drawdowns and Profitability in 2012 European Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are earnings before interest, taxes, depreciation, and amortization (EBITDA) scaled by total assets and the time dummies indicating different quarters (Q2 - Q4) in 2012. Controls contain cash and cash equivalents, the logarithm of total assets, the leverage ratio, the price-to-book ratio, and unused credit lines. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

B Replicating Models in Literature

B.1 Sufi (2009)'s Model

	Unused Line/(Unused Line + Cash)		Total Line/(Total Line + Cash)	
	(1)	(2)	(3)	(4)
EBITDA_{t-1}	1.099**	1.064**	0.549	0.563
	(0.476)	(0.492)	(0.556)	(0.569)
$\text{EBITDA}_{t-1}\times$2020:Q2		0.385		-0.211
		(1.379)		(1.734)
Undrawn CL_{t-1}	1.023***	1.025***	1.175***	1.174***
	(0.112)	(0.113)	(0.139)	(0.139)
P/B_{t-1}	-0.012**	-0.012**	-0.005	-0.005
	(0.005)	(0.005)	(0.006)	(0.006)
$\log(\text{Assets})_{t-1}$	0.008	0.008	0.021***	0.021***
	(0.005)	(0.005)	(0.006)	(0.006)
Tangible Assets_{t-1}	-0.077*	-0.077*	-0.258***	-0.258***
	(0.043)	(0.043)	(0.052)	(0.052)
Leverage_{t-1}	0.212***	0.212***	0.261***	0.262***
	(0.065)	(0.065)	(0.073)	(0.073)
Time FE	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes
Observations	518	518	384	384
R^2	0.315	0.316	0.320	0.320

Table B1. **Credit Lines and Firm Characteristics.** This table presents results of panel regression of firms' lines of credit. The dependent variables are: unused credit lines scaled by the sum of itself and cash holdings; total lines of credit (unused plus used lines) scaled by the sum of itself and cash holdings. The independent variables are: earnings before interest, taxes, depreciation, and amortization (EBITDA) scaled by total assets; 2020:Q2, a dummy equal to one that indicates the time when the postpone effect of the pandemic happens. Controls contain: undrawn size, the undrawn credit lines scaled by total assets; tangibility, the tangible assets scaled by total ones; price-to-book ratio, the stock price per share divided by the book value per share; the logarithm of total assets, indicating the firm size; leverage ratio, the total debt divided by total assets. Columns (1) and (2) present the OLS estimation between unused credit lines and EBITDA. Columns (3) and (4) present the OLS estimation between total credit lines and EBITDA. Standard errors are in parentheses. The symbols ***, **, and * denote statistical significance at 1%, 5%, and 10% level, respectively.

B.2 Campello et al (2011)'s Model

	Drawdown Size			Credit Line Usage		
	(1) Full Period	(2) Before COVID	(3) In the COVID	(4) Full Period	(5) Before COVID	(6) In the COVID
Cash Flow$_t$	-0.001	0.000	-0.004*	-0.005**	-0.004	-0.022***
	(0.001)	(0.001)	(0.002)	(0.002)	(0.002)	(0.008)
Cash Holdings$_t$	0.012	0.028	-0.019	0.146	0.116	0.000
	(0.051)	(0.060)	(0.108)	(0.163)	(0.189)	(0.358)
Cash Flow$_t \times$Cash Holdings$_t$	-0.001	-0.002	0.017	0.001	-0.005	0.109**
	(0.003)	(0.003)	(0.014)	(0.011)	(0.012)	(0.047)
Large$_t$	0.038***	0.037***	0.047**	0.133***	0.114***	0.202***
	(0.011)	(0.013)	(0.020)	(0.033)	(0.039)	(0.069)
Investment Grade$_t$	-0.029***	-0.032***	-0.009	-0.079**	-0.093***	0.009
	(0.010)	(0.012)	(0.019)	(0.031)	(0.036)	(0.062)
Unused Credit Lines$_t$	0.403***	0.442***	0.248***	-0.085	-0.039	-0.281
	(0.034)	(0.038)	(0.078)	(0.105)	(0.115)	(0.263)
log(Total Assets)$_t$	-0.009***	-0.010***	-0.008	-0.032***	-0.036***	-0.026
	(0.003)	(0.003)	(0.005)	(0.009)	(0.010)	(0.018)
Tangible Assets$_t$	-0.035*	-0.040*	-0.030	-0.137**	-0.155**	-0.167
	(0.019)	(0.024)	(0.036)	(0.061)	(0.072)	(0.119)
Leverage$_t$	0.042*	0.061**	0.052	0.040	0.036	0.187
	(0.021)	(0.026)	(0.040)	(0.066)	(0.081)	(0.134)
Time FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	773	572	201	756	560	196
R^2	0.207	0.251	0.133	0.099	0.108	0.181

Table B2. **Cash Holdings, Cash Flow, and Credit Lines.** This table reports The relation between cash holdings, cash flows, credit lines, and drawdowns in the COVID-19 Pandemic Crisis. The sampling period is from 2018:Q4 to 2020:Q3. Two sub-samples are created according to the period before (2018:Q4 - 2019:Q4) and in the pandemic (2020:Q1 - 2020:Q3). *Cash Flow* is return on assets, equal to net income divided by total assets. *Cash Holdings* is the cash and cash equivalents in proportion to total assets. *Large* is a dummy equal to one that the firm's sales revenue are equal to or more than €1 billion, and zero otherwise. *Investment Grade* is a dummy equal to one that the firm has a credit rating of at least BBB-, and zero otherwise. *Unused Credit Lines* is the remaining credit lines divided by total assets. *log(Total Assets)* is the logarithm of total assets. *Tangible Assets* is the tangible or fixed assets in proportion to total assets. *Leverage* is total debt divided by total assets. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

C Robustness

C.1 Solvency Risk (Winsorization at 5%)

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
RID_{t-1}	0.043***	0.053***	0.043***	0.132**	0.176***	0.110*
	(0.014)	(0.015)	(0.017)	(0.054)	(0.056)	(0.063)
$\text{RID}_{t-1}\times$2020:Q1	0.030			0.154		
	(0.046)			(0.162)		
$\text{RID}_{t-1}\times$2020:Q2		-0.065**			-0.215**	
		(0.031)			(0.108)	
$\text{RID}_{t-1}\times$2020:Q3			0.003			0.084
			(0.025)			(0.096)
Cash Holdings	0.211***	0.209***	0.210***	0.960***	0.955***	0.954***
	(0.066)	(0.066)	(0.066)	(0.228)	(0.227)	(0.228)
Undrawn CL	0.093*	0.088*	0.092*	-0.285*	-0.308*	-0.302*
	(0.048)	(0.048)	(0.048)	(0.164)	(0.164)	(0.165)
P/B	-0.006***	-0.006***	-0.006***	-0.030***	-0.030***	-0.029***
	(0.002)	(0.002)	(0.002)	(0.008)	(0.008)	(0.008)
log(Assets)	0.004*	0.003	0.004*	0.016**	0.015**	0.016**
	(0.002)	(0.002)	(0.002)	(0.008)	(0.008)	(0.008)
Tangible Assets	-0.070***	-0.069***	-0.069***	-0.316***	-0.310***	-0.309***
	(0.020)	(0.020)	(0.020)	(0.069)	(0.068)	(0.069)
Leverage	0.054*	0.053*	0.054*	0.173*	0.173*	0.172*
	(0.030)	(0.029)	(0.030)	(0.101)	(0.100)	(0.101)
Quarter FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Observations	388	388	388	381	381	381
R^2	0.137	0.146	0.136	0.154	0.161	0.153

Table C1. **Drawdowns and Solvency Risk in 2020 COVID-19 Crisis.** This table reports the regression results of the baseline model. We winsorize observations at 5%. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the risky-investment-to-debt (RID) ratio and the time dummies indicating different quarters (Q1 - Q3) in 2020. Controls contain cash and cash equivalents, unused credit lines, the price-to-book ratio, the logarithm of total assets, tangible assets, and the leverage ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

C.2 Solvency Risk (With Country Fixed Effect)

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
RID_{t-1}	0.038***	0.046***	0.038**	0.052	0.084	0.029
	(0.014)	(0.014)	(0.016)	(0.048)	(0.051)	(0.056)
$\text{RID}_{t-1}\times$2020:Q1	0.022			0.109		
	(0.042)			(0.136)		
$\text{RID}_{t-1}\times$2020:Q2		-0.056*			-0.152*	
		(0.029)			(0.091)	
$\text{RID}_{t-1}\times$2020:Q3			0.002			0.078
			(0.023)			(0.081)
Cash Holdings	0.111*	0.110*	0.111*	0.639***	0.632***	0.628***
	(0.065)	(0.065)	(0.065)	(0.205)	(0.204)	(0.204)
Undrawn CL	0.035	0.030	0.034	-0.226	-0.248	-0.246
	(0.049)	(0.049)	(0.049)	(0.155)	(0.155)	(0.156)
P/B	-0.004*	-0.004*	-0.004*	-0.015**	-0.015**	-0.014**
	(0.002)	(0.002)	(0.002)	(0.007)	(0.007)	(0.007)
log(Assets)	-0.003	-0.003	-0.003	-0.017**	-0.017**	-0.017**
	(0.002)	(0.002)	(0.002)	(0.008)	(0.007)	(0.008)
Tangible Assets	-0.017	-0.016	-0.016	-0.154**	-0.147**	-0.144**
	(0.023)	(0.023)	(0.023)	(0.071)	(0.071)	(0.072)
Leverage	0.021	0.020	0.021	0.047	0.049	0.044
	(0.030)	(0.030)	(0.030)	(0.095)	(0.094)	(0.095)
Quarter FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Country FE	yes	yes	yes	yes	yes	yes
Observations	388	388	388	381	381	381
R^2	0.280	0.287	0.280	0.414	0.417	0.414

Table C2. **Drawdowns and Solvency Risk in 2020 COVID-19 Crisis.** This table reports the regression results of the baseline model. We winsorize observations at 5%. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the risky-investment-to-debt (RID) ratio and the time dummies indicating different quarters (Q1 - Q3) in 2020. Controls contain cash and cash equivalents, unused credit lines, the price-to-book ratio, the logarithm of total assets, tangible assets, and the leverage ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

C.3 Liquidity Distress (With Country Fixed Effect)

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
Distress_t	0.073***	0.193***	0.072***	0.109*	0.205	0.103
	(0.024)	(0.046)	(0.024)	(0.065)	(0.126)	(0.065)
$\text{Distress}_t \times$2020:Q1	-0.174			-0.297		
	(0.133)			(0.387)		
$\text{Distress}_t \times$2020:Q2		-0.155***			-0.127	
		(0.051)			(0.138)	
$\text{Distress}_t \times$2020:Q3			-0.106			0.254
			(0.124)			(0.338)
Cash Holdings	0.048	0.168**	0.050	0.198	0.299	0.222
	(0.055)	(0.066)	(0.055)	(0.157)	(0.185)	(0.158)
log(P/B)	0.003	0.004	0.002	-0.006	-0.005	-0.005
	(0.005)	(0.005)	(0.005)	(0.013)	(0.013)	(0.013)
Quarter FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Country FE	yes	yes	yes	yes	yes	yes
Observations	804	804	804	788	788	788
Adjusted R^2	0.121	0.130	0.120	0.190	0.190	0.190

Table C3. **Drawdowns and Liquidity Distress in 2020 COVID-19 Crisis.** This table reports the regression results of the baseline model. We winsorize observations at 5%. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are the liquidity distress, measured by short-term debt less cash and cash equivalents and net income scaled by total assets, and the time dummies indicating different quarters (Q1 - Q3) in 2020. Controls contain cash and cash equivalents and the logarithm of the price-to-book ratio. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

C.4 Profitability Risk (With Country Fixed Effect)

	Drawdown Size			CL Usage		
	(1)	(2)	(3)	(4)	(5)	(6)
EBITDA_t	-0.245**	-0.175	-0.234*	-0.854**	-0.707**	-0.838**
	(0.119)	(0.120)	(0.120)	(0.352)	(0.356)	(0.354)
$\text{EBITDA}_t \times$2020:Q1	0.065			-1.086		
	(0.719)			(2.103)		
$\text{EBITDA}_t \times$2020:Q2		-1.190***			-2.776**	
		(0.448)			(1.296)	
$\text{EBITDA}_t \times$2020:Q3			-0.261			-0.981
			(0.524)			(1.514)
Cash Holdings	-0.041	-0.045	-0.040	-0.086	-0.088	-0.075
	(0.049)	(0.049)	(0.049)	(0.148)	(0.147)	(0.148)
log(Assets)	-0.010***	-0.011***	-0.010***	-0.035***	-0.035***	-0.035***
	(0.002)	(0.002)	(0.002)	(0.006)	(0.006)	(0.006)
Leverage	0.056**	0.054**	0.055**	0.084	0.079	0.080
	(0.023)	(0.023)	(0.023)	(0.067)	(0.067)	(0.067)
P/B	-0.000	-0.000	-0.000	0.002	0.002	0.002
	(0.001)	(0.001)	(0.001)	(0.003)	(0.003)	(0.003)
Undrawn CL	0.349***	0.350***	0.350***	-0.262***	-0.257***	-0.257***
	(0.033)	(0.032)	(0.033)	(0.095)	(0.094)	(0.095)
Quarter FE	yes	yes	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes	yes	yes
Country FE	yes	yes	yes	yes	yes	yes
Observations	781	781	781	767	767	767
Adjusted R^2	0.264	0.271	0.264	0.240	0.245	0.240

Table C4. **Drawdowns and Profitability in 2020 COVID-19 Crisis.** This table reports the regression results of the baseline model. The dependent variables are credit line drawdowns scaled by total assets in columns (1) across (3) and credit line usage in columns (4) across (6). The independent variables are earnings before interest, taxes, depreciation, and amortization (EBITDA) scaled by total assets and the time dummies indicating different quarters (Q1 - Q3) in 2020. Controls contain cash and cash equivalents, the logarithm of total assets, the leverage ratio, the price-to-book ratio, and unused credit lines. Fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

C.5 Campello et al (2020)'s Model

	Drawdown Size		Credit Line Usage	
	(1)	(2)	(3)	(4)
Speculative Grade×2020:Q2	0.034		0.091	
	(0.024)		(0.077)	
Low Cash Holdings×2020:Q2		0.016		0.056
		(0.023)		(0.076)
log(Assets)	-0.006***	-0.007***	-0.029***	-0.033***
	(0.002)	(0.002)	(0.005)	(0.007)
Leverage	0.084***	0.062**	0.155**	0.173*
	(0.022)	(0.027)	(0.072)	(0.090)
Undrawn Credit Lines	0.362***	0.311***	-0.383***	-0.588***
	(0.033)	(0.041)	(0.105)	(0.135)
log(P/B)	-0.007*	-0.004	-0.045***	-0.032**
	(0.004)	(0.005)	(0.013)	(0.015)
Quarter FE	yes	yes	yes	yes
Industry FE	yes	yes	yes	yes
Observations	823	536	823	536
Adjusted R^2	0.171	0.149	0.068	0.089

Table C5. **Firms' Access to Finance and Credit**. The dependent variables are *Drawdown Size* in columns (1) and (2) and *Credit Line Usage* in columns (3) and (4). *Exposure* is a ratio measuring firms' exposure to the COVID-19 pandemic. *Post Covid* is a dummy equal to 1 for two quarters after the shock happened, and 0 otherwise. *Speculative Grade* is a dummy equal to 1 that the firm is rated non-investment grade, and 0 otherwise. *No Credit Lines* is a dummy equal to 1 that the firm has no outstanding credit lines, and 0 otherwise. *Low Cash Holdings* is a dummy equal to 1 that the firm belongs to the lowest tercile of cash holdings (scaled by total assets), and 0 that the firms belongs to the highest tercile. Controls are cash holdings scaled by total assets, the logarithm of total assets, the leverage ratio, the price-to-book ratio, and the unused lines of credit scaled by total assets. Quarter, industry, and country fixed effects are included as indicated. Standard errors are in parentheses. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.