Online Appendix

Does the Lack of Financial Stability Impair the Transmission of Monetary Policy?

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Online Appendix A: Variable Definitions

The table provides descriptions of all variables, together with their units of measurement. All financial variables are winsorized at the 1st and 99th percentile and measured in real terms with 2006 as the base year using the Consumer Price Index (CPI) as published by the OECD. The second table shows further descriptive statistics of variables for the January 2006 to June 2010 period. This period is also split into the financial crisis period from August 9, 2007 to June 30, 2010, the financial crisis until the full allotment period from August 9, 2007 to October 7, 2008, and the full allotment period from October 8, 2008 until June 30, 2010.

Variable	Unit	Description
ECB Liquidity		
Adjusted Liquidity in Banking Sector	Log (€ billion)	Natural logarithm of the absolute amount of liquidity in the banking sector. It is calculated as the logarithm of the sum of banks' current account and deposit facility holdings with the ECB. The items used for the calculation are published by the ECB ex post on a daily basis in the "Data on daily liquidity conditions." The variable is centered around its mean value in 2006.
Bank Risk Variables Bank Risk	Integer	Credit default swap spread in bps on the bank's senior unsecured debt
Dalik Kisk	Integer	with a five year maturity.
High Bank Risk	Dummy	Dummy variable, derived from an iterative procedure. In this procedure, we use (on a weekly basis) the minimum CDS spread of banks rated A1 or below as threshold and classify banks with a higher spread as highrisk banks. To ensure that low- and high-risk banks are sufficiently different, we then iteratively decrease this threshold in steps of 0.5bps until the ratio of the average spread of low- and high-risk banks is at least two in each week.
Deposit Transaction Variables		
ECB Deposit Facility Rate	%	Interest rate at which banks can deposit funds overnight at the ECB deposit facility. In theory, it constitutes the lower bound interest rate for the interbank short-term market.
Deposit Spread	bps	Spread between the deposit rate and the ECB deposit facility rate.
log(Notional Deposit Amount)	Log (€)	Natural logarithm of the notional € deposit amount of the transaction.
Duration	days	The duration of the deposit transaction ranges from overnight up to one week.
Bank Competition	Integer	Calculated as the sum of the squared market share of each bank over the last week using deposit volume.
Bank Accounting Variables	!	I
log(Total Assets)	Log (€ million)	Natural logarithm of the bank's total assets in €-million as reported on the balance sheet.
Leverage		Ratio of total liabilities to total assets as reported on the balance sheet.
Off-Balance-Sheet Exposure	%	Ratio of off-balance-sheet items divided by the sum of total assets and off-balance-sheet items. The amount of off-balance-sheet items is used from Bankscope. It is calculated as the sum of managed securitized assets reported off-balance sheet, other off-balance sheet exposure to securitizations, guarantees, acceptances and documentary credits reported off-balance sheet, committed credit lines, and other contingent liabilities.
Return on Assets	%	Return on assets as calculated by Bankscope.
Total Asset Growth	%	Annual asset growth as calculated by Bankscope based on annual balance sheet data.
Net Interest Margin	%	Net interest margin as calculated by Bankscope.
Cost/Income Ratio	%	Ratio of administrative costs to income excluding increase of risk provisions as calculated by Bankscope.
Net Loans/Customer Deposits	%	Ratio of net loans to customer deposits as calculated by Bankscope.
Non-performing Loans/Total Loans	%	Ratio of non-performing loans to gross loans as calculated by Bankscope.
Net Derivative Exposure / Total Assets	%	Ratio of the difference between derivative assets and derivative liabilities to total assets.
Liquid Assets/Short-Term Funding	%	Ratio of liquid assets to short-term funding as calculated by Bankscope.
Total Deposits/Total Assets	%	Ratio of total deposits and short-term funding to total assets based on annual balance sheet data.

Borrower Variables		
log(Total Assets)	Log	Natural logarithm of the firm's total assets in €-million as reported on
	(€ million)	the balance sheet.
Leverage	%	Ratio of total liabilities to total assets as reported on the balance sheet.
Current ratio	%	Ratio of current assets to current liabilities as reported on the balance
Coverage	%	sheet. Ratio of EBITDA to interest expenses as reported in the income
Market-to-Book	%	statement. Ratio of the sum of book value of liabilities and market value of equity
Market-to-Book	70	to book value of total assets. The data are collected from Compustat for
		firms available in Compustat North America. For firms only available in Compustat Global we use the market-to-book ratio as reported by
Tangibility	%	Datastream. Ratio of tangible assets (property, plant and equipment) to total assets as
	.	reported on the balance sheet.
Log(Number of Loans of Borrower)	Log (Integer)	Natural logarithm of the number of loans (packages) of the borrower in LPC DealScan from 1982 to the start of the loan.
Credit Rating	(mæger)	Li C Dearbean from 1702 to the start of the foan.
Investment Grade Rating	Dummy	Dummy variable equal to one, if the borrower's S&P long-term issuer
investment Grade Rating	Dummy	rating is BBB- or better.
Non-Investment Grade Rating	Dummy	Dummy variable equal to one, if the borrower's S&P long-term issuer rating is BB+ or worse.
Not Rated	Dummy	Dummy variable equal to one if the borrower has no S&P long-term issuer rating.
Syndicated Loan Variables		issuel fating.
AISD	bps	Coupon spread over LIBOR plus one time fees on the drawn portion of
		the loan as stated in DealScan
log(Facility Size)	log (€ million)	Natural logarithm of the loan facility amount in year 2006 € million.
log(Maturity in Months)	log (Integer)	Natural logarithm of the maturity of the loan in months
Secured	Dummy	Dummy variable equal to one if the loan is secured.
Performance Pricing	Dummy	Dummy variable equal to one if the loan contains a performance pricing grid.
Loan Type	!	10
Term Loan	Dummy	Dummy variable if the loan is defined as type "Term Loan" in DealScan.
Revolver/Line $\geq 1 \text{ Yr.}$	Dummy	Dummy variable if the loan is defined as type "Revolver/Line ≥ 1 Yr." in DealScan.
364-Day Facility	Dummy	Dummy variable if the loan is defined as type "364-Day Facility" in DealScan.
Bridge Loan	Dummy	Dummy variable if the loan is defined as type "Bridge Loan" in DealScan.
Revolver/Line < 1 Yr.	Dummy	Dummy variable if the loan is defined as type "Revolver/Line < 1 Yr." in DealScan.
Loan Purpose		in Dealbean.
Corporate purposes	Dummy	Dummy variable if the loan is defined to have the primary purpose "Corp. purposes" in DealScan.
M&A related	Dummy	Dummy variable if the loan is defined to have a M&A-related primary purpose in DealScan (e.g., LBO, MBO, SBO, Takeover).
Debt Repayment	Dummy	Dummy variable if the loan is defined to have the primary purpose "Debt Repay" in DealScan.
Working Capital	Dummy	Dummy variable if the loan is defined to have the primary purpose "Work. cap" in DealScan.
Other	Dummy	Dummy variable if the loan is defined to have a different primary purpose in DealScan than those above.
Time Indicator Variables	•	
Crisis until Full Allotment	Dummy	Dummy variable, which is one from August 8, 2007 until October 7, 2008.
Full Allotment Period	Dummy	Dummy variable, which is one from October 8, 2008 until the end of our observation period June 30, 2010. On October 8, 2008 the ECB announced that it would allot the full amount banks request via the refinancing operations at a fixed rate given sufficient adequate collateral, in contrast to the prior competitive tender with limited allotment.

3-Month EURIBOR-EONIA Swap	bps	Spread between the 3-month EURIBOR and the 3-month EONIA swap.
Spread		It is an indicator for the risk in the market excluding interest rate change
		risk and interest rate expectations.
Quarterly EU GDP growth (%)	%	The quarterly growth rate of the gross domestic product at market prices
		of the Euro area using calendar and seasonally adjusted data, as
		published by the ECB.
CISS	continuous	Composite Indicator of Systemic Stress as published by the ECB.
	variable	
Main refinancing rate	%	The interest rate on the main refinancing operations (MRO) as published
		by the ECB.
End of Reserve Maintenance Period	Dummy	Dummy variable, which is one on the last day of the ECB's reserve
		maintenance period.

Online Appendix B: Descriptive Statistics

-	Total Period (2006:Q1 - 2010:Q2) 43 banks; 40,638 deposits; 2,632 loans			Crisis until Full Allotment (Aug. 9, 2007 - Oct. 7, 2008) 35 banks; 12,078 deposits; 725 loans				Full Allotment Period (Oct. 8, 2008 - 2010:Q2) 40 banks; 20,104 deposits; 775 loans							
	Mean	St.Dev.	Min	Median	Max	Mean	St.Dev.	Min	Median	Max	Mean	St.Dev.	Min	Median	Max
CENTRAL BANK LIQUIDITY															
Adjusted Liquidity in Banking Sector (€ billion)	81.80	98.98	-62.12	34.84	362.33	35.21	28.50	-43.98	33.70	203.05	183.14	88.14	-62.12	201.23	362.33
CORPORATE SHORT-TERM DEPOSIT MARK	ET														
Deposit Rate (bps)	226.70	162.88	3.00	274.00	498.00	398.46	21.00	225.00	399.00	498.00	81.15	94.19	3.00	29.00	475.00
Deposit Spread (bps)	51.41	50.36	-30.00	58.00	132.00	93.29	19.16	-18.00	98.00	132.00	4.16	20.80	-30.00	0.00	70.00
log(Notional Deposit Amount)	17.15	1.62	13.12	17.37	19.81	17.20	1.71	13.12	17.50	19.81	17.14	1.50	13.15	17.19	19.29
Average Duration (days)	1.86	1.55	1.00	1.00	7.00	1.83	1.53	1.00	1.00	7.00	1.89	1.56	1.00	1.00	7.00
Bank Competition	0.10	0.02	0.06	0.10	0.20	0.10	0.02	0.06	0.10	0.16	0.10	0.02	0.07	0.09	0.15
LOAN CHARACTERISTICS															
All in Spread Drawn (bps)	183.45	145.66	10.00	175.00	800.00	160.40	128.66	14.00	125.00	550.00	306.52	148.86	35.00	300.00	800.00
log(Maturity in Months)	3.83	0.64	1.61	4.09	5.19	3.71	0.72	1.61	4.09	5.19	3.64	0.55	1.79	3.58	4.97
Log(Facility Size)	19.76	1.28	15.40	19.81	23.07	20.01	1.36	15.40	20.18	23.07	19.74	1.08	15.95	19.78	22.57
log(Number of Previous Loans of Borrower)	1.53	0.91	0.00	1.61	3.87	1.41	0.94	0.00	1.61	3.43	1.76	0.87	0.00	1.95	3.87
BANK CHARACTERISTICS															
Low Bank Risk CDS spread	49.59	34.40	6.00	50.00	202.00	61.95	30.40	6.00	58.00	202.00	71.32	27.46	11.00	68.00	138.00
High Bank Risk CDS spread	109.87	64.38	12.00	104.00	775.00	110.20	44.80	42.00	120.00	510.00	126.85	60.69	52.00	124.00	775.00
Total Assets (€ million)	13.28	0.74	11.46	13.29	14.74	13.33	0.70	11.46	13.31	14.74	13.30	0.80	11.48	13.29	14.73
Leverage (%)	96.07	1.79	90.30	96.69	98.11	95.82	2.04	90.30	96.62	98.11	96.10	1.74	90.48	96.74	98.04
Off-Balance-Sheet Exposure (%)	21.64	16.48	0.00	21.63	66.64	21.99	15.10	0.00	21.21	62.03	21.85	17.16	0.00	22.22	66.64
Return on Assets (%)	0.18	0.54	-1.60	0.29	1.14	0.45	0.29	-0.56	0.45	1.14	-0.09	0.59	-1.60	0.07	1.12
Total Asset Growth (%)	7.72	20.84	-35.66	4.12	115.77	14.68	21.44	-12.00	8.94	115.77	1.69	20.06	-35.66	-0.96	63.66
Net Interest Margin (%)	1.01	0.54	0.31	0.83	2.97	0.91	0.47	0.31	0.79	2.97	1.07	0.59	0.31	0.83	2.95
Cost/Income Ratio (%)	70.62	22.19	45.40	65.42	167.93	65.32	13.71	45.40	62.80	113.25	77.87	27.50	45.40	69.09	167.93
Net Loans/Customer Deposits (%)	143.90	44.04	66.45	134.88	242.60	145.93	43.25	66.45	134.65	242.60	145.34	44.74	66.47	141.47	242.60
NPL/Loans (%)	2.87	1.54	0.26	2.76	8.31	2.38	1.40	0.26	1.65	5.69	3.28	1.47	0.49	3.19	8.31
Net Derivative Exposure (%)	-0.17	2.18	-7.89	-0.04	6.33	-0.48	1.30	-7.89	-0.04	2.29	0.01	2.70	-7.55	0.00	6.33
Liquid Assets / Short-Term Funding (%)	57.03	32.59	12.66	48.67	134.98	62.39	34.34	12.66	51.58	134.98	54.47	31.93	12.75	49.70	133.84
Total Deposits/Total Assets (%)	55.34	13.10	30.90	55.43	82.05	55.50	13.37	30.90	53.95	82.05	54.36	13.20	32.18	55.43	80.94
BORROWER CHARACTERISTICS															
log(Total Assets (€ million))	8.37	1.34	2.06	8.71	10.10	8.36	1.38	4.09	8.59	10.10	8.45	1.33	2.21	8.82	10.08
Leverage	0.55	0.13	0.07	0.58	0.80	0.53	0.14	0.11	0.55	0.79	0.57	0.12	0.19	0.60	0.80
Current ratio	1.68	1.27	0.21	1.38	12.87	1.63	1.07	0.25	1.44	7.52	1.66	1.08	0.37	1.46	12.87
Coverage	10.58	13.95	-15.84	6.74	169.91	11.85	13.52	-15.84	8.54	132.11	8.94	11.61	-7.22	6.15	169.91
Market to Book	1.68	0.85	0.50	1.43	6.73	1.92	1.00	0.76	1.68	6.73	1.40	0.77	0.50	1.19	4.46
Tangibility	0.39	0.25	0.02	0.34	0.93	0.36	0.26	0.02	0.28	0.93	0.41	0.26	0.02	0.41	0.93

Online Appendix C: Transmission of monetary policy to deposits

(Table 2 in the paper showing the full set of control variables)

	Total Period	Pre-Financial Crisis (2)	Crisis until Full Allotment (3)	Full Allotment Period (4)
ECB Market Liquidity	(-)	(=/	(0)	(1)
Central Bank Liquidity	-27.052***	4.426	-25.972***	-27.474***
Bank Risk				
High Bank Risk	0.621	0.193	1.193	2.974
Bank Accounting Variables				
log(Total Assets)	-4.864***	-0.727	-1.778***	-5.277***
Leverage	0.106	0.329**	0.268	-1.058
Off-Balance-Sheet Exposure	0.005	0.046	0.006	-0.112
Return on Assets	-1.137	-5.260*	-0.968	-0.069
Total Asset Growth	0.031**	-0.010	-0.007	0.036
Net Interest Margin	-1.545	1.458**	0.502	-4.606
Cost/Income Ratio	-0.023	-0.123**	0.003	-0.046*
Net Loans/Customer Deposits	-0.037*	-0.014**	0.009	-0.032
Non-performing Loans/Total Loans	-0.017	-0.346***	-0.079	0.475
Net Derivative Exposure / Total Assets	0.016	-0.182***	0.197	0.280
Liquid Assets/Short-Term Funding	-0.013	-0.032	0.015	-0.010
Total Deposits/Total Assets	-0.020	-0.094	0.041	-0.049
Further Control Variables				
log(Notional Deposit Amount)	-0.773**	-1.050*	-0.410**	-1.638**
Deposit Duration	1.287***	0.461***	1.326***	1.421***
Bank Competition	3.842	-20.715	-3.702	49.623
3 Month EURIBOR-EONIA Swap Spread	-44.856***	-52.421	-43.195***	-45.900***
Crisis Until Full Allotment	1.534			
Full Allotment Period	-90.406***			
Firm FE	Yes	Yes	Yes	Yes
Time (quarter) FE	Yes	Yes	Yes	Yes
Accounting Standard FE	Yes	Yes	Yes	Yes
Observations	11,533	2,045	3,866	5,560
R-squared	0.933	0.374	0.341	0.604

Online Appendix D: Deposit Transaction Data

Online Appendix D 1: Transmission of monetary policy to deposits

The table reports OLS regression results of *Deposit Spread* on *Aggregate Central Bank Liquidity*, bank risk and other control variables. It shows 4 different regression specifications over different time periods, indicated at the top of each regression. *Central Bank Liquidity* is measured by the adjusted liquidity in the banking sector. *High Bank Risk* is a dummy variable defined using banks' CDS spreads and explained in detail in Appendix A1. All variables are defined in Appendix A1. Bank accounting standard FE are either the general accepted accounting principles (GAAP) of the respective country of the bank or the international financial reporting standards (IFRS). Bank accounting variables are used as stated in the annual report in the year prior to the transaction. A constant is included but omitted. The statistical significance of results is indicated by *= 10% level, ** = 5% level and *** = 1% level using two-way clustered standard errors at the bank- and at the week-level (unreported for brevity) using the method as proposed by Cameron, Gelbach and Miller (2011) and Thompson (2011) and the code provided by Petersen (2009).

	Total Period	Pre-Financial Crisis (2)	Crisis until Full Allotment (3)	Full Allotmen Period (4)
ECB Market Liquidity	(1)	(2)	(3)	(4)
Central Bank Liquidity	-28.997***	0.406	-21.687**	-35.648***
Bank Risk				
High Bank Risk	-0.115	-0.110	1.683	0.162
Bank Accounting Variables				
log(Total Assets)	-4.319***	-0.347	-2.172***	-4.681***
Leverage	0.128	0.416***	0.311	-0.762
Off-Balance-Sheet Exposure	-0.006	0.028	0.019	-0.082
Return on Assets	-1.212	-4.720**	-0.232	-0.511
Total Asset Growth	0.039***	-0.021	0.007**	0.032
Net Interest Margin	-3.409	1.854***	-2.308	-6.674*
Cost/Income Ratio	-0.009	-0.104**	-0.030	-0.021
Net Loans/Customer Deposits	-0.036**	-0.013**	-0.001	-0.032
Non-performing Loans/Total Loans	0.511	-0.178***	-0.406	1.180*
Net Derivative Exposure / Total Assets	0.113	-0.068	-0.083	0.511**
Liquid Assets/Short-Term Funding	-0.005	-0.019	-0.001	-0.001
Total Deposits/Total Assets	0.019	-0.070	0.025	-0.015
Further Control Variables				
log(Notional Deposit Amount)	-0.194	0.160**	0.069	-0.694
Deposit Duration	0.704***	0.295***	0.724*	0.660***
Bank Competition	0.427***	-0.040	0.414**	0.592***
3 Month EURIBOR-EONIA Swap Spread	-15.717*	56.222	-29.075**	-5.255
End of Reserve Maintenance Period	-8.239***	-6.834	-6.633	-14.102***
Crisis Until Full Allotment	-1.984			
Full Allotment Period	-52.048***			
Firm FE	Yes	Yes	Yes	Yes
Time (quarter) FE	Yes	Yes	Yes	Yes
Accounting Standard FE	Yes	Yes	Yes	Yes
Observations	31,201	4,963	10,179	16,059
R-squared	0.918	0.498	0.288	0.531

Online Appendix D 2: Transmission of monetary policy to deposits for high vs. low-risk banks

The table reports OLS regression results of the *Deposit Spread* of corporate deposits with a maximum maturity of 7 days on *Central Bank Liquidity*, bank risk and further control variables. It shows 6 different regression specifications over different time periods, indicated at the top of each regression. *Central Bank Liquidity* is measured as the adjusted liquidity in the banking sector. *High Bank Risk* is a dummy variable defined using banks' CDS spreads and explained in detail in Appendix A1. All variables are defined in Appendix A1. All control variables as shown in Table 2 are included. A constant is included but omitted. The statistical significance of results is indicated by * = 10% level, ** = 5% level and *** = 1% level using two-way clustered standard errors at the bank- and at the week-level (unreported for brevity) using the method as proposed by Cameron, Gelbach and Miller (2011) and Thompson (2011) and the code provided by Petersen (2009).

		T 11 4 11 .	. 5 . 1			
	Financial (Crisis Period	Allot	ment	Full Allotr	nent Period
	(1)	(2)	(3)	(4)	(5)	(6)
ECB Market Liquidity						
Central Bank Liquidity	-30.062***		-21.814***		-36.173***	
Central Bank Liquidity * High Bank Risk		-31.392***		-10.72		-35.761**
Central Bank Liquidity * Low Bank Risk		-26.991***		-24.868***		-38.511**
Controls and Fixed Effects (FE)						
Control Variables	Yes	Yes	Yes	Yes	Yes	Yes
Bank Risk * Time (quarter) FE	Yes	Yes	Yes	Yes	Yes	Yes
Firm FE	Yes	Yes	Yes	Yes	Yes	Yes
Accounting Standard FE	Yes	Yes	Yes	Yes	Yes	Yes
Wald Test of Interaction Terms		0.3088		0.0025		0.2179
Observations	26,238	26,238	10,179	10,179	16,059	16,059
R-squared	0.899	0.899	0.301	0.303	0.535	0.535

Online Appendix D 3: Selection

The table reports results from different regressions to address possible selection concerns associated with the transmission of ECB liquidity to deposit spreads. In column (1), the data include all auctions and the banks' bids. The columns show OLS regression results of a dummy variable, which is one when a bank is selected in an auction and zero otherwise on control variables. *Bank Risk Ranking within Auction* is derived by ranking banks within an auction using their CDS spread and taking the logarithm of their rank, plus one. It only includes transactions with at least two banks bidding for a deposit amount. Columns (2) to (7) include data of executed deposit transactions aggregated at the bank-firm-week level. Columns (2) and (3) only include deposit transactions where on the same day no prior auction was initiated by the firm where no bid was selected. Columns (4) and (5) only include deposit transactions that were traded prior to 10:00 am on a given day. Columns (6) and (7) only include rolled over deposits, that is, amounts that are deposited again with the same notional after having matured. *Central Bank Liquidity* is measured as the adjusted liquidity in the banking sector. *High Bank Risk* is a dummy variable defined using banks' CDS spreads and explained in detail in Appendix A1. All variables are defined in Appendix A1. The statistical significance of results is indicated by * = 10% level, ** = 5% level and *** = 1% level using two-way clustered standard errors at the bank- and at the week-level (unreported for brevity) using the method as proposed by Cameron, Gelbach and Miller (2011) and Thompson (2011).

	Selection of Banks by Firms	Excluding transactions where another auction was canceled by the firm earlier on the same day		•	nsactions o 10am)	Rolled over funds		
	Financial Crisis	Crisis until Full	Full Allotment	Crisis until Full	Full Allotment	Crisis until Full	Full Allotment	
	Period	Allotment	Period	Allotment	Period	Allotment	Period	
Dependent Variable	Selected (Yes/No)	Deposit Spread	Deposit Spread	Deposit Spread	Deposit Spread	Deposit Spread	Deposit Spread	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Bank Risk Ranking within Auction	-0.003							
Highest Bid of Auction	0.473***							
ECB Market Liquidity								
Central Bank Liquidity * High Bank Risk		-12.210	-27.052***	18.458	-25.812***	-13.492	-33.894***	
Central Bank Liquidity * Low Bank Risk		-28.781***	-25.930***	-16.589**	-27.344***	-24.659**	-31.243**	
High Bank Risk		3.074	-14.636	9.415	9.502	-1.043	1.407	
log(Notional Deposit Amount)		-0.667*	-1.921**	-0.311**	-1.287***	-0.454**	-1.500**	
Control Variables	No	Yes	Yes	Yes	Yes	Yes	Yes	
Bank Risk * Time (month) FE	No	Yes	Yes	Yes	Yes	Yes	Yes	
Bank * Time (month) FE	Yes	No	No	No	No	No	No	
Bank * Firm FE	Yes	No	No	No	No	No	No	
Firm FE	No	Yes	Yes	Yes	Yes	Yes	Yes	
Accounting Standard FE	No	Yes	Yes	Yes	Yes	Yes	Yes	
Wald Test of Interaction Terms		0.0060	0.7988	0.0153	0.1557	0.074	0.493	
Observations	44,961	2,963	4,222	323	1,086	270	636	
R-squared	0.400	0.388	0.579	0.434	0.754	0.482	0.747	

Online Appendix D 4: Endogeneity

Instrumental Variables Regression

	Full Allotment Period						
	First Stage	Second Stage					
Dependent Variable	Log(Deposit Volume)	Deposit Spread					
	(3)	(4)					
ECB Market Liquidity							
Central Bank Liquidity * High Bank Risk		-29.384***					
Central Bank Liquidity * Low Bank Risk		-33.543***					
High Bank Risk		-8.299					
log(Notional Deposit Amount)		-5.312					
Further Controls and Fixed Effects (FE)							
Friday	0.067***						
Fourth Quarter of Year	0.051						
Control Variables	Yes	Yes					
Bank Risk * Time (quarter) FE	Yes	Yes					
Bank * Time (quarter) FE	Yes	Yes					
Bank * Firm FE	No	No					
Firm FE	Yes	Yes					
Accounting Standard FE	Yes	Yes					
Wald Test of Interaction Terms		0.443					
Observations	16,059	16,059					
R-squared							
F-statistic	7.46						
Underidentification test p-value	0.0014						
Overidentification test p-value	0.7431						

Online Appendix E: The Transmission of Central Bank Liquidity to Deposit and Loan Spreads (Bank Risk Fixed at Start of Financial Crisis)

The table reports OLS regression results of syndicated loan spreads on *Central Bank Liquidity*, bank risk, and further control variables. It shows six different regression specifications over different time periods. *Central Bank Liquidity* is measured as the average over the quarter prior to loan origination of the adjusted liquidity in the banking sector. *High Bank Risk* is a dummy variable defined using banks' CDS spreads. In this table, it is determined as explained in detail in Appendix A1 but using only the week of August 9, 2007, when the financial crisis started, and holding it constant for each bank in the following period. Panel A shows the results for the deposits and Panel B for the loan sample. All variables are defined in Appendix A1. Bank and borrower accounting variables are used as stated in the annual report in the year prior to the transaction. Constant term is included but omitted. The statistical significance of results is indicated by * = 10% level, ** = 5% level and *** = 1% level using two-way clustered standard errors at the firm- and at the week-level (unreported for brevity) using the method as proposed by Cameron, Gelbach and Miller (2011) and Thompson (2011) and the code provided by Petersen (2009).

Bank Risk Fixed at Start of Financial Crisis

Donal A. Donasita	Crisis until Full								
Panel A: Deposits	Financial C	Crisis Period	Allot	ment	Full Allotment Period				
	(1)	(2)	(3)	(4)	(5)	(6)			
Central Bank Liquidity	-29.426***		-19.365***		-33.487***				
(1) Central Bank Liquidity*High Bank Risk		-31.101***		-7.765		-29.595***			
(2) Central Bank Liquidity*Low Bank Risk		-29.067***		-18.773***		-34.398***			
Borrower, Bank, Further Control Variables									
Bank Risk * Time FE	Yes	Yes	Yes	Yes	Yes	Yes			
Borrower Rating FE	Yes	Yes	Yes	Yes	Yes	Yes			
Borrower Industry Code FE	Yes	Yes	Yes	Yes	Yes	Yes			
Loan Type, Purpose, Currency FE	Yes	Yes	Yes	Yes	Yes	Yes			
Wald Test of Interaction Terms		0.298		0.001		0.272			
Observations	24,115	24,115	10,074	10,074	14,041	14,041			
R-squared	0.909	0.909	0.259	0.276	0.512	0.508			

n in i			Crisis u	ntil Full			
Panel B: Loans	Financial C	Crisis Period	Allot	ment	Full Allotment Period		
	(1)	(2)	(3)	(4)	(5)	(6)	
Central Bank Liquidity	-110.742**		263.225		-69.114		
(1) Central Bank Liquidity*High Bank Risk		-86.498		363.435		-37.126	
(2) Central Bank Liquidity*Low Bank Risk		-131.195**		187.684		-109.163***	
Borrower, Bank, Further Control Variables							
Bank Risk * Time FE	Yes	Yes	Yes	Yes	Yes	Yes	
Borrower Rating FE	Yes	Yes	Yes	Yes	Yes	Yes	
Borrower Industry Code FE	Yes	Yes	Yes	Yes	Yes	Yes	
Loan Type, Purpose, Currency FE	Yes	Yes	Yes	Yes	Yes	Yes	
Wald Test of Interaction Terms		0.3093		0.2636		0.0272	
Observations	1,156	1,156	533	533	623	623	
R-squared	0.753	0.754	0.806	0.806	0.721	0.722	

Online Appendix F: Transmission of monetary policy to loans

(Table 5B in the paper showing the full set of control variables)

	Financial C	Crisis Period	Crisis until F	ull Allotment	Full Allotment Period		
	(1)	(2)	(3)	(4)	(5)	(6)	
Central Bank Liquidity	-102.007**		-67.633		-82.160		
(1) Central Bank Liquidity*High Bank Risk		-76.103		-63.068		-49.064	
(2) Central Bank Liquidity*Low Bank Risk		-150.996***		-75.281		-164.009***	
Bank Risk							
High Bank Risk	26.321	46.224***	38.035***	67.459	12.649	-21.910	
Borrower Accounting Variables							
log(Total Assets)	-6.018	-6.043	5.947	5.887	-19.202	-19.267	
Leverage	-20.434	-19.645	59.281	59.955	-12.994	-8.865	
Current ratio	-3.307	-3.939	20.003*	19.831*	-6.241	-6.307	
Coverage	0.147***	0.148***	0.040	0.041	-0.037	-0.058	
Market to Book	-16.473**	-16.657**	-11.208*	-11.350*	-31.888*	-32.590**	
Tangibility	15.159	12.654	-36.744	-36.789	55.824	53.849	
Bank Accounting Variables							
log(Total Assets)	13.996	14.948	-68.771	-67.251	67.195	68.089	
Leverage	-1.946	-1.576	-3.769	-3.901	-4.714	-3.983	
Return on Assets	-0.585	-0.375	-20.901	-20.883	4.413	4.740	
Total Asset Growth	0.078	0.069	0.339	0.334	-0.164	-0.182	
Non-performing Loans/Total Loans	4.179	4.018	11.713	12.006	-1.026	-1.639	
Further Control Variables							
log(Maturity in Months)	14.431	14.510	20.668**	20.885**	-6.714	-5.913	
Secured	26.181*	26.168*	36.057***	36.274***	-18.996	-19.611	
log(Facility Size)	-18.098***	-18.017***	-14.157**	-14.100**	-10.594	-10.767	
log(Number of Loans of Borrower)	6.619	6.322	0.523	0.635	6.080	5.466	
Performance Pricing	-10.438	-10.058	-26.299**	-26.440**	1.868	3.015	
3 Month EURIBOR-EONIA Swap Spread	97.255**	105.604**	8.999	10.135	419.524***	418.479***	
Quarterly EU GDP growth (%)	-11.597	-11.442	-112.272***	-112.589***	12.824	13.468	
CISS	-31.493	-40.237	-123.492*	-119.592*	-106.993	-111.671	
Main refinancing rate	-29.946	-27.894	-326.993***	-324.569***	-156.712***	-145.823***	
Full Allotment Period	-3.807	-5.642					
Bank Risk * Time (month) FE	Yes	Yes	Yes	Yes	Yes	Yes	
Borrower Rating FE	Yes	Yes	Yes	Yes	Yes	Yes	
Borrower Industry Code FE	Yes	Yes	Yes	Yes	Yes	Yes	
Loan Type, Purpose, Currency FE	Yes	Yes	Yes	Yes	Yes	Yes	
Wald Test of Interaction Terms $(1) = (2)$		0.0115		0.2557		0.0123	
Observations	1,156	1,156	533	533	623	623	
R-squared	0.755	0.756	0.824	0.824	0.733	0.735	

Online Appendix G: Bank Risk and Bank and Firm Characteristics in 2006 and 2008

The table reports OLS regression results of *High Bank Risk* on control variables in 2006 using all loans issued in the crisis period in Panel A, and control variables in 2008 using all loans issued in the full allotment period in Panel B. All variables are defined in Appendix A1. A constant is included but omitted. When including rating fixed effects, the omitted rating category is a rating of A. The statistical significance of results is indicated by * = 10% level and *** = 1% level using two-way clustered standard errors at the bank- and at the week-level (unreported for brevity) using the method as proposed by Cameron, Gelbach and Miller (2011) and Thompson (2011) and the code provided by Petersen (2009).

Panel A: Bank Risk using Control Variables in 2006 for crisis period loans

	I	II	III	IV	V	VI	VII
Borrower Accounting Variables							
log(Total Assets)	-0.005	0.010	0.014	0.018	0.020	0.027	0.031*
Leverage	0.193	0.184	0.225	0.171	0.245	0.214	0.050
Current ratio	0.030	0.059	0.018	0.040	0.033	0.033	0.020
Coverage	0.000	-0.000	0.000	-0.000	-0.000	-0.000	-0.001
Market to Book	-0.024	-0.014	-0.013	0.003	0.019	0.021	0.040
Tangibility	0.197*	0.085	0.147	0.004	-0.049	0.049	0.031
Further Control Variables	No	No	No	No	Yes	Yes	Yes
Bank Accounting Variables	No	No	No	No	No	Yes	Yes
Macroeconomic Fundamentals	No	No	No	No	No	No	Yes
Industry FE	No	Yes	No	Yes	Yes	Yes	Yes
Rating FE	No	No	Yes	Yes	Yes	Yes	Yes
AAA			0.281	0.249	0.294*	0.226	0.205
AA			0.219	0.232*	0.282**	0.232*	0.175
AA-			-0.434***	-0.407***	-0.315***	-0.309***	-0.301***
A+			0.219*	0.229***	0.330**	0.282**	0.304**
A-			0.035	0.031	0.179	0.151	0.085
BBB+			0.073	0.057	0.124	0.081	0.062
BBB			0.036	0.078	0.162	0.109	0.086
BBB-			0.272**	0.281**	0.329***	0.274***	0.152
BB+			0.084	0.064	0.099	0.061	0.008
BB			0.251**	0.200*	0.265*	0.252*	0.088
BB-			0.083	0.121	0.194*	0.154	0.058
B+			0.222**	0.200*	0.264***	0.218***	0.105*
В			-0.008	0.026	0.016	-0.043	-0.102
B-			0.133	0.236	0.204	0.083	-0.168
CCC+			0.288**	0.519***	0.495**	0.406**	0.116
CCC			0.414***	0.460***	0.421***	0.413***	0.368
D			0.366**	0.439***	0.356***	0.140	-0.096
NR			0.019	0.088	0.172	0.097	0.027
Observations	1,156	1,156	1,156	1,156	1,156	1,156	1,156
R-squared	0.012	0.035	0.065	0.085	0.130	0.176	0.246

Panel B: Bank Risk using Control Variables in 2008 for full allotment period loans

	I	II	III	IV	V	VI	VII
Borrower Accounting Variables							
log(Total Assets)	-0.037*	-0.032	-0.047**	-0.044*	-0.062***	-0.040**	-0.027**
Leverage	-0.030	-0.083	0.298	0.294	0.105	0.140	0.212**
Current ratio	0.048	0.049	0.050	0.060*	0.077*	0.051	0.061**
Coverage	0.000	0.001	0.001	0.001	0.000	-0.000	0.001
Market to Book	0.000	0.004	-0.012	-0.008	-0.029	-0.016	0.020
Tangibility	-0.072	-0.150	0.006	-0.034	0.007	-0.063	0.050
Further Control Variables	No	No	No	No	Yes	Yes	Yes
Bank Accounting Variables	No	No	No	No	No	Yes	Yes
Macroeconomic Fundamentals	No	No	No	No	No	No	Yes
Industry FE	No	Yes	No	Yes	Yes	Yes	Yes
Rating FE	No	No	Yes	Yes	Yes	Yes	Yes
AAA			0.327**	0.381**	0.379***	0.496***	0.534***
AA			0.447***	0.568***	0.528***	0.449***	0.337***
AA-							
A+							
A-			0.116	0.212	0.174	0.124	0.134*
BBB+			0.119	0.212	0.222	0.208	0.216***
BBB			0.098	0.212	0.220	0.160	0.161***
BBB-			0.300**	0.401**	0.396***	0.357**	0.249***
BB+			0.179	0.278	0.286	0.309**	0.306***
BB			0.260*	0.333**	0.329*	0.310**	0.202**
BB-			0.084	0.161	0.139	0.100	0.138*
B+			-0.074	-0.001	0.025	-0.005	-0.061
В			0.059	0.160	0.191	0.138	0.179**
B-			0.061	0.125	0.215	0.199	0.158***
CCC+			0.206*	0.240	0.289**	0.216	0.060
CCC			0.255*	0.379**	0.420**	0.273*	0.572***
D			0.251	0.382**	0.488***	0.177	0.066
NR			-0.029	0.103	0.100	0.048	0.099
Observations	623	623	623	623	623	623	623
R-squared	0.032	0.045	0.103	0.117	0.136	0.270	0.390

Online Appendix H: Number of loan observations by loan maturity, borrower size, and borrower bank-dependence

The table shows the number of loans in the full allotment period which we include in our regressions, split by loan maturity, firm size, and rating for each category. Loans are classified as short term when maturity ≤ 1 year, medium term when maturity is >1 year and ≤ 5 years, and long term when maturity >5 years. Firm size classes are determined based on the 33^{rd} and 67^{th} percentile of total assets of all firms in the data sample.

	Maturity				Firm Size	R	Rating		
	Short-term	Medium-term	Long-term	Small	Medium	Large	No	Yes	
High Bank Risk	80	352	39	133	176	162	53	418	
Low Bank Risk	45	82	25	22	52	78	24	128	
Total	125	434	64	155	228	240	77	546	

Online Appendix I: Debt Capital Structure and Firm Characteristics: Intensive Margin

The table reports OLS regressions and propensity score (PS) matching results of changes in borrower characteristics of borrowers along the intensive margin in the full allotment period on bank risk and control variables. All variables are derived on the firm-level and measured in real terms with 2006 as the base year using the consumer price index (CPI) as published by the OECD. Asset Growth is the ratio of total assets in t divided by the value of total assets in t-1, minus 1. Payouts are total dividends, Investment is total invested capital, and *Employment* is the number of employees in thousand. The panels show regression results of either pp. Δ (percentage point differences), or $\log \Delta$ (log differences) or Δ (differences) from year t to t+1, t to t+2, and t to t+3, with t as the year when the loan is initiated in the full allotment period, on several control variables. High Bank Risk is a dummy variable defined using banks' CDS spreads and explained in detail in Appendix A1. High Bank Risk | only High Bank Risk is defined as a borrower having received loans from only high risk banks prior to the full allotment period, that is from January 2006 until October 7, 2008, and receiving a loan from a high risk bank in the full allotment period. High Bank Risk | High and Low Bank Risk is defined as a borrower having received loans from both low and high risk banks prior to the full allotment period and receiving a loan from a high risk bank in the full allotment period. All models include a borrower's log of total assets, leverage, current ratio, coverage, market to book ratio, and tangibility, and time (i.e. year) fixed effects (FE), borrower industry code FE, and borrower rating FE where for the propensity score matching models a Gaussian kernel estimator is used with a bandwidth of 0.01. All variables are defined in Appendix A1. Borrower accounting control variables are used as stated in the annual report in the year prior to the transaction. The statistical significance of results is indicated by * = 10% level, ** = 5% level and *** = 1% level using heteroscedasticity-robust standard errors clustered at the firm-level.

nel A: Term Loans/ Total Debt		pp.Δ (t; t+1)			pp.Δ (t; t+2	(1)		pp.Δ (t; t+3))
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9
Method	OLS	OLS	PS	OLS	OLS	PS	OLS	OLS	P
High Bank Risk	-2.531**		-1.959**	-3.705**		-6.799***	0.346		-6.29
High Bank Risk only High Bank Risk		-3.275			-0.069			5.047	
High Bank Risk High and Low Bank Risk		-2.453**			-4.005**			-0.066	
Observations	212	212	176	213	213	182	211	211	18
R-squared	0.791	0.791		0.829	0.831		0.839	0.841	
nel B: Revolving Loans/ Total Debt									
		$pp.\Delta(t; t+1)$			pp. Δ (t; t+2	2)		$pp.\Delta (t; t+3)$)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9
Method	OLS	OLS	PS	OLS	OLS	PS	OLS	OLS	P
High Bank Risk	1.736		5.353**	0.885		5.098**	1.718		5.46
High Bank Risk only High Bank Risk		-2.612			-5.678			-10.149	
High Bank Risk High and Low Bank Risk		2.266**			1.658*			3.116**	
Observations	191	191	143	195	195	149	195	195	1
R-squared	0.866	0.874		0.856	0.872		0.791	0.833	
el C: Notional Outstanding/ Total Debt		pp.Δ (t; t+1)			pp.Δ (t; t+2)		pp.Δ (t; t+3)	١
	(1)	(2)	(3)	(4)	$pp.\Delta (t, t+2)$.) (6)	(7)	(8)	, (
Method	OLS	OLS	PS	OLS	OLS	PS	OLS	OLS	F
High Bank Risk	1.654**	OLS	0.576	1.225*	OLS	-0.612	1.269	OLS	-1.
High Bank Risk only High Bank Risk	1.054	2.492**	0.570	1.223	1.306	-0.012	1.20)	7.336**	-1.
High Bank Risk High and Low Bank Risk		1.540*			1.213*			0.439	
Observations	250	250	201	248	248	201	248	248	2
R-squared	0.480	0.483	201	0.428	0.428	201	0.372	0.417	2
•	0.400	0.403		0.420	0.420		0.372	0.417	
el D: Total Liabilities		logΔ (t; t+1)			logΔ (t; t+2	')		logΔ (t; t+3)	`
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	, ('
Method	OLS	OLS	PS	OLS	OLS	PS	OLS	OLS	F
High Bank Risk	-0.007	OLS	-0.015	0.001	OLS	-0.111	-0.007	OLD	-0.
High Bank Risk only High Bank Risk	0.007	-0.016	0.013	0.001	-0.016	0.111	0.007	0.023	0.
High Bank Risk High and Low Bank Risk		-0.006			-0.006			-0.011	
Observations	267	267	215	261	267	209	258	258	20
R-squared	0.399	0.399	213	0.515	0.399	20)	0.685	0.686	
•	0.577	0.377		0.515	0.577		0.005	0.000	
nel E: Payouts		logΔ (t; t+1)			logΔ (t; t+2)		logΔ (t; t+3)	`
	(1)		(3)	(4)	-	.) (6)	(7)	(8)) (9
Method	OLS	(2) OLS	PS	(4) OLS	(5) OLS	PS	(7) OLS	OLS	P
High Bank Risk	-0.370***	OLS	0.017	-0.206*	OLS	-0.124*	-0.334***	ULS	0.0
FILOU DANK KISK	-0.5/0		0.017	-U.ZUO**		-0.124*	-0.554		0.0
		0.097			0.251			0.475	
High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk		-0.087 -0.401***			0.251 -0.241**			0.475 -0.370***	

Observations R-squared	229 0.515	229 0.530	177	223 0.629	223 0.659	171	219 0.651	219 0.691	167
K-squareu	0.313	0.550		0.027	0.037		0.031	0.071	
nnel F: Capital Expenditures									
		$log\Delta(t; t+1)$			$\log\Delta$ (t; t+2)			$log\Delta$ (t; t+3)	
Method	(1) OLS	(2) OLS	(3) PS	(4) OLS	(5) OLS	(6) PS	(7) OLS	(8) OLS	(9) PS
High Bank Risk	-0.144*	025	0.017	-0.079	025	-0.170*	-0.066	025	-0.158
High Bank Risk only High Bank Risk	****	-0.330	*****		0.041			0.019	
High Bank Risk High and Low Bank Risk		-0.112*			-0.099*			-0.079	
Observations	267	267	215	261	261	209	258	258	206
R-squared	0.561	0.573		0.575	0.582		0.672	0.674	
nnel G: Asset Growth									
		pp.Δ (t; t+1)			pp.Δ (t; t+2)			pp.Δ (t; t+3)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Method	OLS	OLS	PS	OLS	OLS	PS	OLS	OLS	PS
High Bank Risk	-1.317		5.350	-0.021		1.163	1.448		3.020
High Bank Risk only High Bank Risk		-19.283*			-11.552**			-10.077*	
High Bank Risk High and Low Bank Risk		1.793			1.871			3.286	
Observations	267	267	215	261	261	209	258	258	206
R-squared	0.472	0.504		0.609	0.637		0.682	0.702	
anel H: Investments									
		$log\Delta(t; t+1)$			logΔ (t; t+2))		logΔ (t; t+3)	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Method	OLS	OLS	PS	OLS	OLS	P3	OLS	OLS	PS
Method High Bank Risk	` '		-0.018	OLS -0.004	OLS	-0.143*	-0.013	OLS	
	OLS				-0.022			OLS 0.024	
High Bank Risk	OLS	OLS							
High Bank Risk High Bank Risk only High Bank Risk	OLS	OLS 0.006			-0.022			0.024	
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk	OLS 0.003	0.006 0.003	-0.018	-0.004	-0.022 -0.001	-0.143*	-0.013	0.024 -0.019	-0.052
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations	OLS 0.003	0.006 0.003 267	-0.018	-0.004	-0.022 -0.001 261	-0.143*	-0.013 258	0.024 -0.019 258	-0.052
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared	OLS 0.003	0.006 0.003 267	-0.018	-0.004	-0.022 -0.001 261	-0.143*	-0.013 258	0.024 -0.019 258	-0.052
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared	OLS 0.003	OLS 0.006 0.003 267 0.381 Δ (t; t+1) (2)	-0.018	-0.004	-0.022 -0.001 261 0.565 Δ (t; t+2)	-0.143* 209	-0.013 258 0.677	0.024 -0.019 258 0.679	-0.052 206 (9)
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared	OLS 0.003 267 0.381	OLS 0.006 0.003 267 0.381 Δ (t; t+1)	-0.018 215	-0.004 261 0.565	-0.022 -0.001 261 0.565	-0.143* 209 (6) PS	-0.013 258 0.677	0.024 -0.019 258 0.679 Δ (t; t+3)	-0.052 206 (9) PS
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared Method High Bank Risk	OLS 0.003 267 0.381	OLS 0.006 0.003 267 0.381 Δ (t; t+1) (2)	-0.018	-0.004 261 0.565	-0.022 -0.001 261 0.565 Δ (t; t+2)	-0.143* 209	-0.013 258 0.677	0.024 -0.019 258 0.679 \(\Delta(t; t+3)\) (8) OLS	-0.052 206 (9)
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared mel I: Employment Method High Bank Risk High Bank Risk only High Bank Risk	OLS 0.003 267 0.381 (1) OLS	OLS 0.006 0.003 267 0.381 Δ(t; t+1) (2) OLS 1.042	-0.018 215 (3) PS	-0.004 261 0.565 (4) OLS	-0.022 -0.001 261 0.565 Δ (t; t+2) (5) OLS	-0.143* 209 (6) PS	-0.013 258 0.677 (7) OLS	0.024 -0.019 258 0.679 \(\Delta (t; t+3) \) (8) OLS 4.013	-0.052 206 (9) PS
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared Method High Bank Risk High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk	OLS 0.003 267 0.381 (1) OLS -1.019	OLS 0.006 0.003 267 0.381 Δ (t; t+1) (2) OLS 1.042 -1.408	-0.018 215 (3) PS -0.950	-0.004 261 0.565 (4) OLS -2.107	-0.022 -0.001 261 0.565 Δ (t; t+2) (5) OLS 3.748 -2.890	-0.143* 209 (6) PS -12.414**	-0.013 258 0.677 (7) OLS -3.502	0.024 -0.019 258 0.679 Δ (t; t+3) (8) OLS 4.013 -4.473	-0.052 206 (9) PS -31.133
High Bank Risk High Bank Risk only High Bank Risk High Bank Risk High and Low Bank Risk Observations R-squared mel I: Employment Method High Bank Risk High Bank Risk only High Bank Risk	OLS 0.003 267 0.381 (1) OLS	OLS 0.006 0.003 267 0.381 Δ(t; t+1) (2) OLS 1.042	-0.018 215 (3) PS	-0.004 261 0.565 (4) OLS	-0.022 -0.001 261 0.565 Δ (t; t+2) (5) OLS	-0.143* 209 (6) PS	-0.013 258 0.677 (7) OLS	0.024 -0.019 258 0.679 \(\Delta (t; t+3) \) (8) OLS 4.013	-0.052 206 (9) PS