

Division of Investment Management Analytics Office

Money Market Fund Statistics

Form N-MFP Data, period ending July 31, 2019

This is a report of the Staff of the Division of Investment Management's Analytics Office of the U.S. Securities and Exchange Commission. The Commission has expressed no view regarding the analysis, findings, or conclusions contained herein.

Information presented in this report reflects staff's compilation and analysis of data reported to the Commission on Form N-MFP for the reference period. The presented information does not reflect any filings or amended filings submitted after the data cut-off date of this report. Staff works with information reported on Form N-MFP and with filers to correct possible reporting errors and may update reported information to correct what appear to be clear filer errors. Corrected data from amended filings may be published in a corrected report or in the next regular report, as determined by staff.

If you have any questions or comments about this report, please contact Sharon Pichler or Isaac Kuznits, Analytics Office, Division of Investment Management, at Form-NMFP@sec.gov, with the subject line "Money Market Fund Statistics."

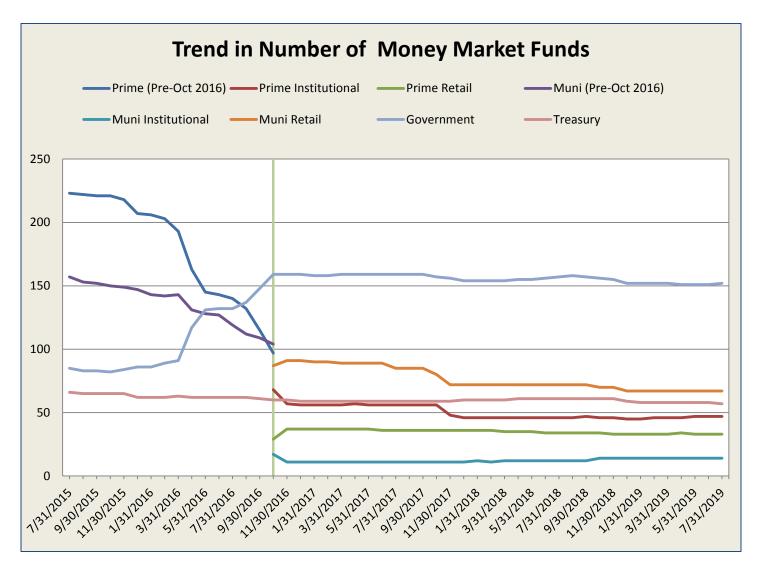
Monthly Change in Key Statistics and Table of Contents*

TOPIC		7/31/2019	Change	6/30/2019	Page
Number of Money Market Funds	Reporting (Not Including Feeder Funds)				4
	Prime				
	Institutional	47	-	47	
	Retail	33	-	33	
	Tax Exempt				
	Institutional	14	-	14	
	Retail	67	-	67	
	Government & Treasury Funds				
	Government	152	1	151	
	Treasury	57	-1	58	
Assets (in billions)	Prime Funds				5
	Institutional	\$626.6	\$10.2	\$616.4	
	Retail	\$414.1	\$12.1	\$402.0	
	Tax Exempt Funds				
	Institutional	\$15.0	\$0.4	\$14.6	
	Retail	\$125.9	-\$0.6	\$126.5	
	Government & Treasury Funds				
	Government	\$1,731.4	\$34.4	\$1,697.0	
	Treasury	\$777.3	\$19.1	\$758.2	
7-Day Yields Gross	Prime Funds				6
	Institutional	2.44%	-0.06%	2.50%	
	Retail	2.47%	-0.08%	2.55%	
	Tax Exempt Funds				
	Institutional	1.47%	-0.41%	1.88%	
	Retail	1.48%	-0.39%	1.88%	
	Government & Treasury Funds	2 200/	0.050/	2.420/	
	Government	2.39%	-0.05%	2.43%	
7 Day Violds Not	Treasury	2.30%	-0.07%	2.37%	
7-Day Yields Net	Prime Funds	2.36%	0.06%	2.420/	7
	Institutional		-0.06%	2.42%	
	Retail	2.21%	-0.07%	2.28%	
	Tax Exempt Funds	4.540/		4 ===4	
	Institutional	1.34%	-0.41%	1.75%	
	Retail	1.21%	-0.39%	1.60%	
	Government & Treasury Funds				
	Government	2.10%	-0.05%	2.15%	
	Treasury	2.07%	-0.07%	2.14%	
Weighted Average Life (WAL)	Prime Funds				8
	Institutional	58.8 days	0.6 days	58.2 days	
	Retail	62.9 days	0.1 days	62.8 days	
	Tax Exempt Funds	12.0 4	1.2 days	14.1 -	
	Institutional	12.8 days	-1.2 days	14.1 days	
	Retail	31.4 days	-1.1 days	32.5 days	
	Government & Treasury Funds Government	94.7 days	-0.8 days	95.5 days	
	Treasury	93.6 days	2.6 days	95.5 days 91.1 days	
	ileasury	33.0 uays	Z.o days	31.1 uays	

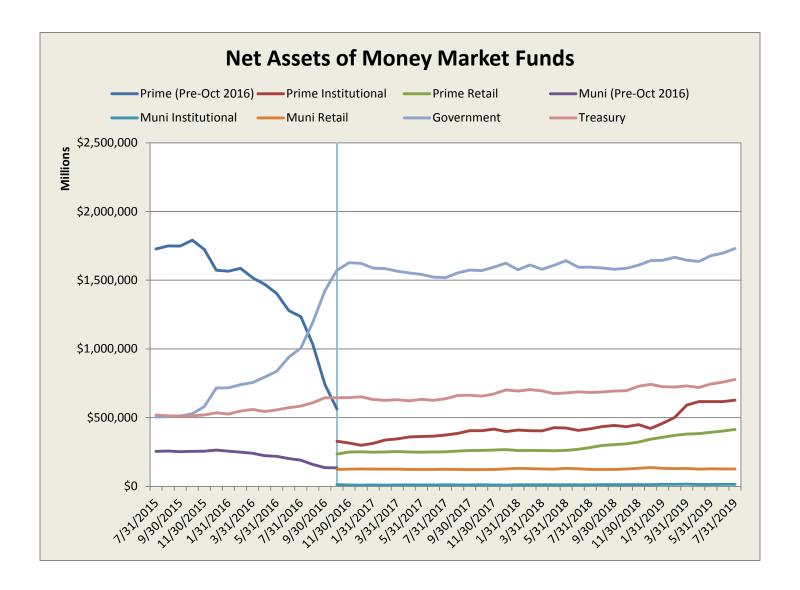
Monthly Change in Key Statistics and Table of Contents (continued)

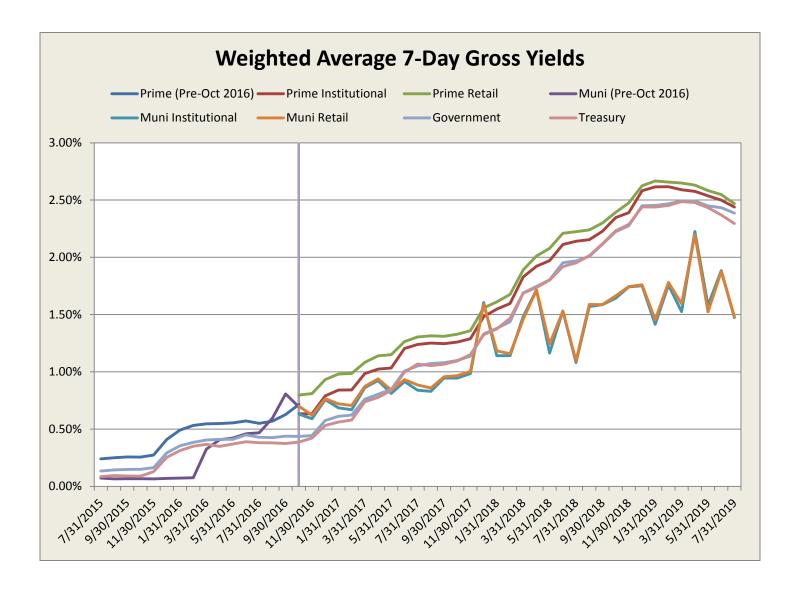
TOPIC		7/31/2019	Change	6/30/2019	Page
Weighted Average Maturity (WAM)	Prime Funds				9
	Institutional	32.2 days	-0.2 days	32.4 days	
	Retail	32.9 days	-0.1 days	32.9 days	
	Tax Exempt Funds				
	Institutional	12.4 days	-1.3 days	13.7 days	
	Retail	28.9 days	-1.7 days	30.6 days	
	Government & Treasury Funds				
	Government	26.9 days	-0.8 days	27.7 days	
	Treasury	33.3 days	1.7 days	31.6 days	
Daily Liquidity	Prime Funds				10
	Institutional	38.4%	0.6%	37.8%	
	Retail	22.2%	0.7%	21.5%	
	Government & Treasury Funds				
	Government	45.3%	1.9%	43.4%	
	Treasury	90.2%	0.1%	90.1%	
Weekly Liquidity	Prime Funds				11
	Institutional	53.1%	-0.6%	53.7%	
	Retail	40.6%	-	40.6%	
	Tax Exempt Funds				
	Institutional	86.0%	-0.2%	86.2%	
	Retail	76.1%	1.5%	74.6%	
	Government & Treasury Funds				
	Government	69.9%	-	69.9%	
	Treasury	97.9%	0.2%	97.7%	
Prime Funds' Bank Holdings	By Country				12
	By Geographic Region				13
Prime Funds' Portfolio Composition					14
Gov't and Treasury Funds Bank Repo	By Country				15
All Funds Fed Repo (in billions)		\$7.4	-\$36.2	\$43.6	16
Securities > 179 Days to Maturity	Prime Funds				17
	Institutional	9.5%	0.9%	8.6%	
	Retail	8.4%	1.6%	6.8%	
	Tax Exempt Funds				
	Institutional	0.9%	-	0.9%	
	Retail	6.1%	0.8%	5.3%	
	Government & Treasury Funds				
	Government	18.1%	0.1%	18.0%	
	Treasury	17.8%	1.8%	16.0%	

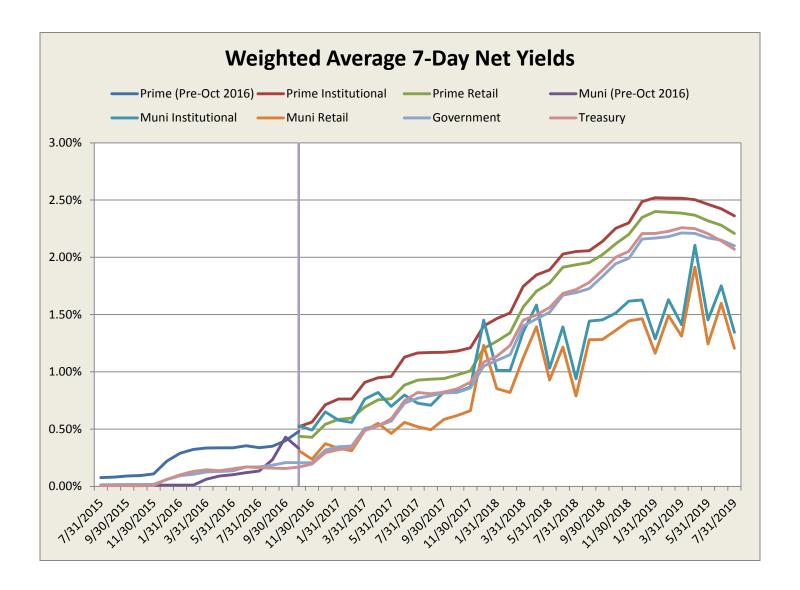
^{*}Some calculations in the change column in the above Table of Contents and in other tables in this report may not total as expected due to rounding. Terms used in this report are defined in Appendix 2, Key Definitions.



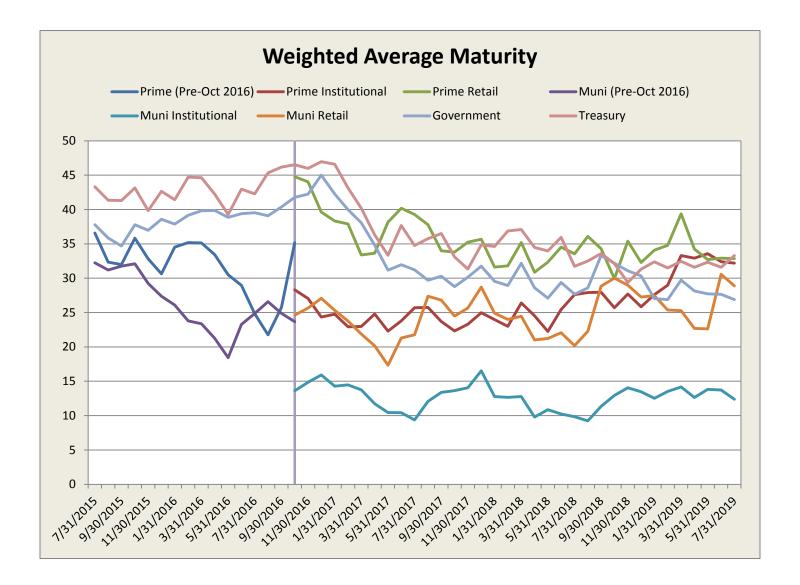
^{*} Note: Beginning in October 2016, Form N-MFP required prime and tax-exempt money market funds to identify themselves as institutional or retail funds; up to that date, Funds reported without making this distinction. Government and Treasury funds are not required to distinguish between retail and institutional. See Appendix 2, Key Definitions.

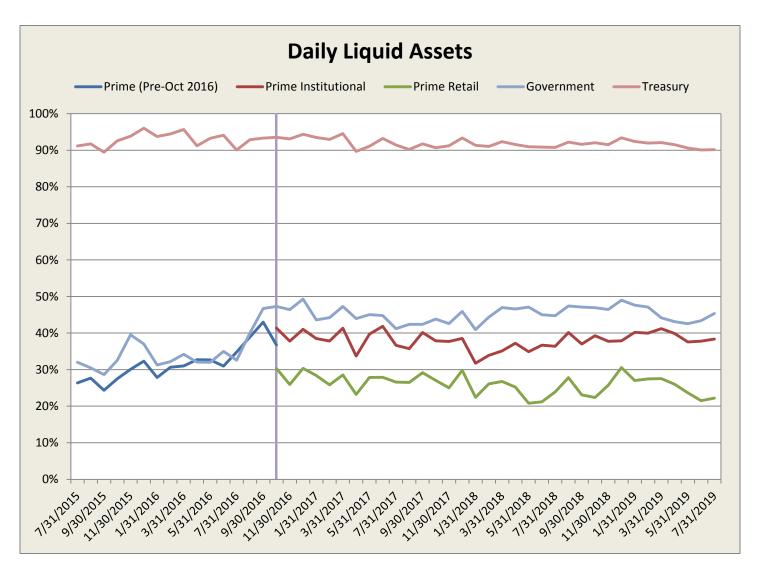




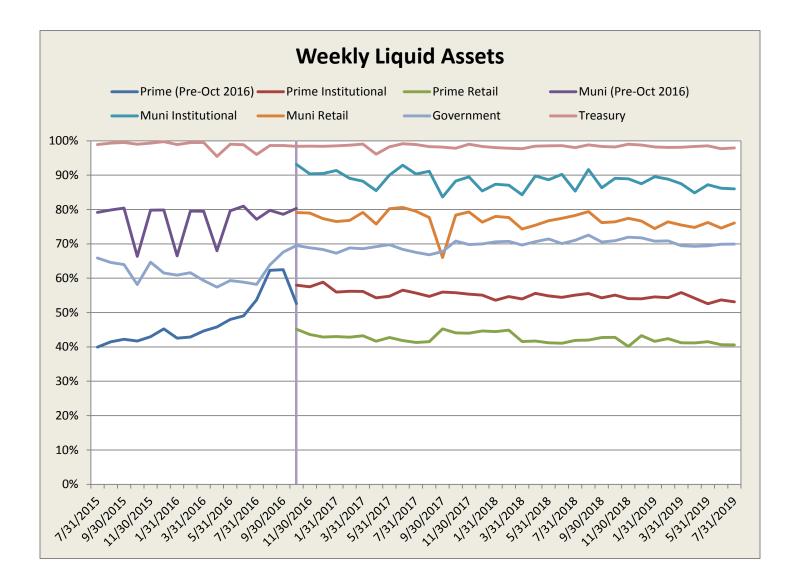


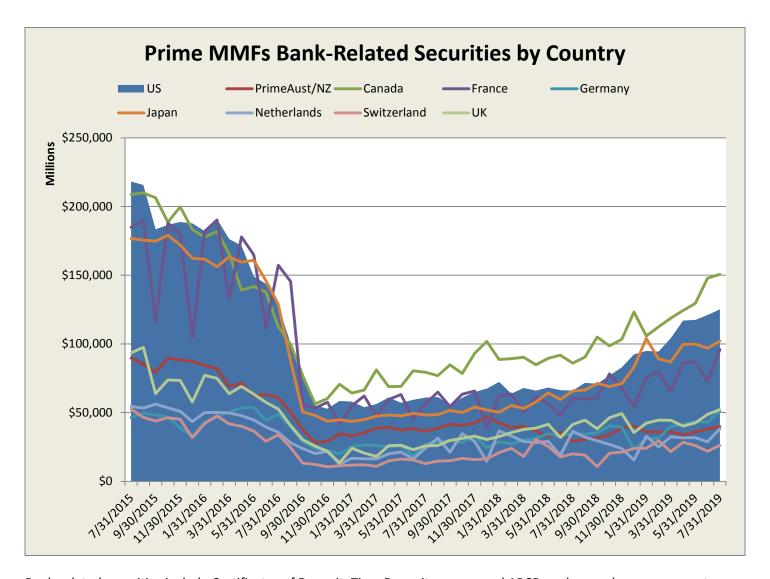




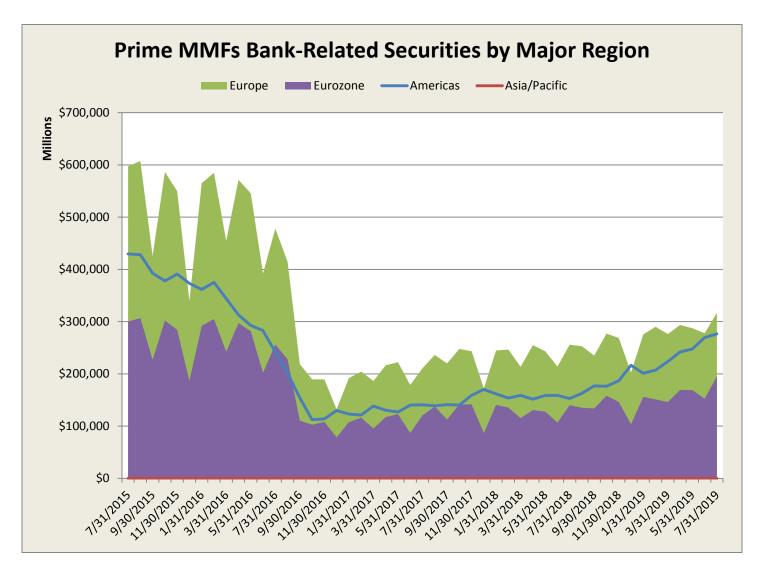


As municipal funds do not have a daily liquidity requirement, their daily liquidity statistics are not included here.



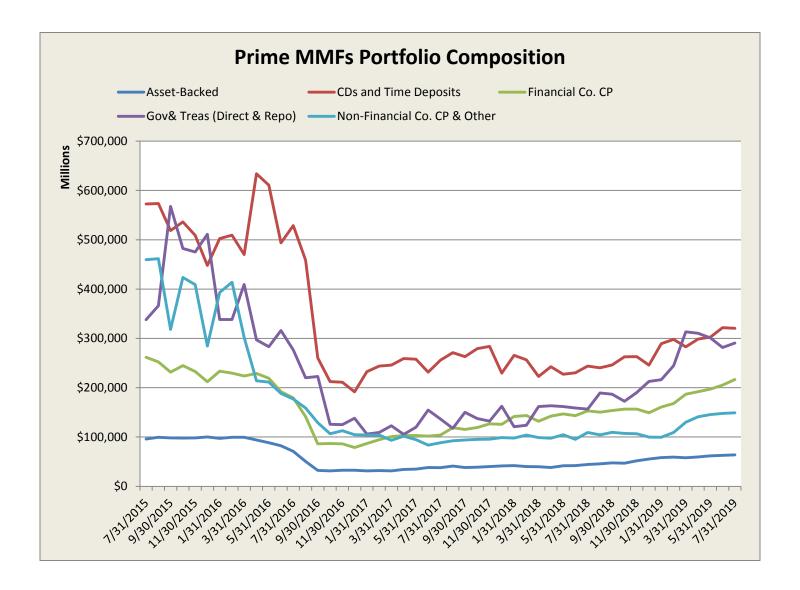


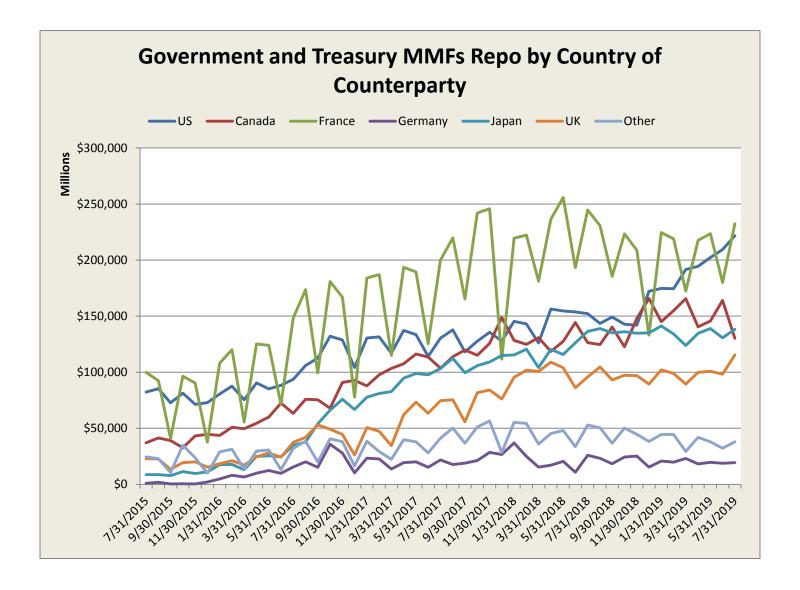
Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty.

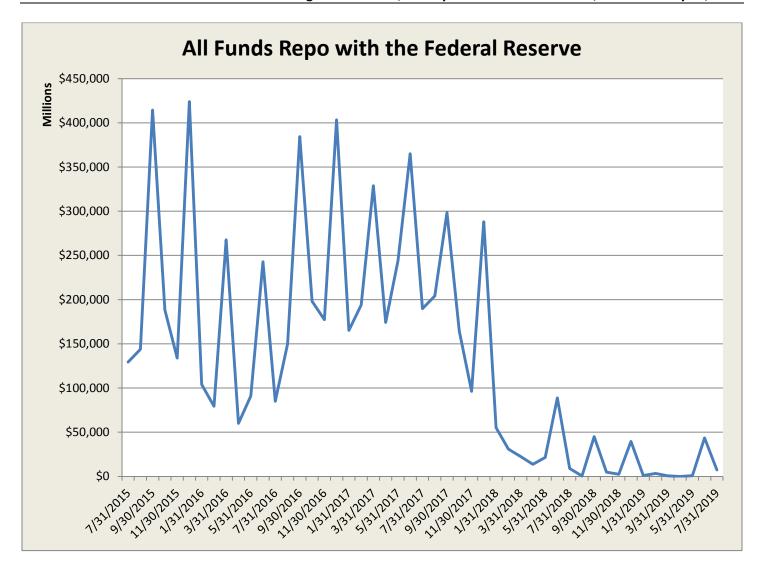


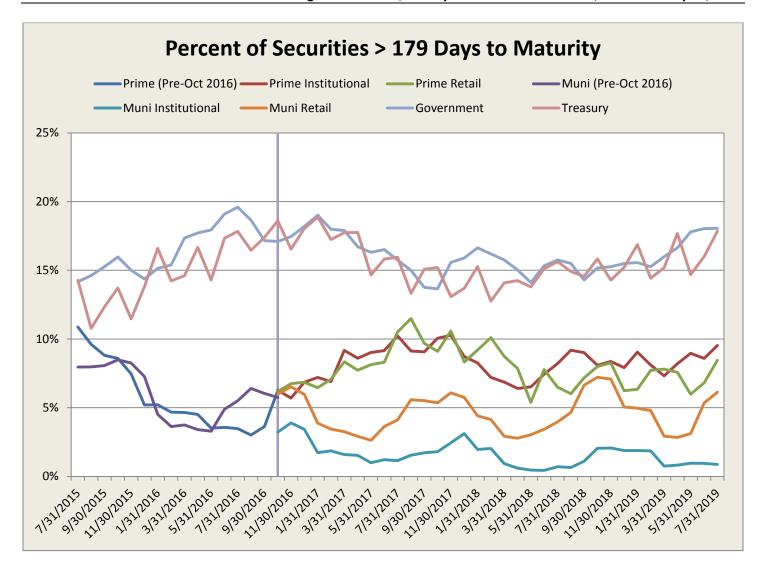
Eurozone is a subset of Europe and Eurozone values are also included in totals for Europe.

Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty.









Appendix 1 - Supporting Data

A. Number of Funds

	Prime	Prime	Prime	Muni	Muni	Muni	Covernment	Tuo comme	Total
7/24/2015	(Pre-Oct 2016)	Institutional	Retail	(Pre-Oct 2016)	Institutional	Retail	Government	Treasury	Total
7/31/2015	223	•	•	157	•	•	85	66	531
8/31/2015	222	•	•	153		•	83	65	523
9/30/2015	221	•	•	152		•	83	65	521
10/31/2015	221	•	•	150		•	82	65	518
11/30/2015	218	•	•	149		•	84	65	516
12/31/2015	207			147			86	62	502
1/31/2016	206	•	•	143		•	86	62	497
2/29/2016	203			142		•	89	62	496
3/31/2016	193		•	143			91	63	490
4/30/2016	163			131			117	62	473
5/31/2016	145			128			131	62	466
6/30/2016	143			127			132	62	464
7/31/2016	140	•	•	119			132	62	453
8/31/2016	132			112			137	62	443
9/30/2016	115			109			148	61	433
10/31/2016		68	29		17	87	159	60	420
11/30/2016		57	37		11	91	159	60	415
12/31/2016		56	37		11	91	159	59	413
1/31/2017		56	37		11	90	158	59	411
2/28/2017		56	37		11	90	158	59	411
3/31/2017		56	37		11	89	159	59	411
4/30/2017		57	37		11	89	159	59	412
5/31/2017		56	37		11	89	159	59	411
6/30/2017		56	36		11	89	159	59	410
7/31/2017		56	36		11	85	159	59	406
8/31/2017		56	36		11	85	159	59	406
9/30/2017		56	36		11	85	159	59	406
10/31/2017		56	36		11	80	157	59	399
11/30/2017		48	36		11	72	156	59	382
12/31/2017		46	36		11	72	154	60	379
1/31/2018	•	46	36	•	12	72	154	60	380
2/28/2018		46	36		11	72	154	60	379
3/31/2018	•	46	35	•	12	72	154	60	379
4/30/2018		46	35	•	12	72	155	61	381
5/31/2018	•	46	35	•	12	72	155	61	381
6/30/2018	•	46	34	•	12	72	156	61	381
7/31/2018	•	46	34	•	12	72	157	61	382
8/31/2018	•	46	34	•	12	72	158	61	383
	•	47	34	•	12	72	157	61	
9/30/2018	•			•					383
10/31/2018	•	46	34	•	14	70	156	61	381
11/30/2018	•	46	33	•	14	70	155	61	379
12/31/2018	•	45	33	•	14	67	152	59	370
1/31/2019	•	45	33	•	14	67	152	58	369
2/28/2019		46	33		14	67	152	58	370
3/31/2019		46	33		14	67	152	58	370
4/30/2019		46	34		14	67	151	58	370
5/31/2019		47	33		14	67	151	58	370
6/30/2019		47	33		14	67	151	58	370
7/31/2019		47	33		14	67	152	57	370

B. Net Assets of Money Market Funds by Category (Millions)

	Prime (Pre-Oct 2016)	Prime Institutional	Prime Retail	Muni (Pre-Oct 2016)	Muni Institutional	Muni Retail	Government	Treasury	Total
7/31/2015	\$1,727,069			\$254,370			\$504,606	\$519,366	\$3,005,411
8/31/2015	\$1,749,739			\$256,591			\$506,705	\$513,258	\$3,026,294
9/30/2015	\$1,748,329			\$252,663			\$511,749	\$510,982	\$3,023,724
10/31/2015	\$1,790,928			\$253,986			\$528,216	\$512,879	\$3,086,010
11/30/2015	\$1,723,586			\$255,994			\$580,257	\$519,551	\$3,079,388
12/31/2015	\$1,572,045			\$263,850			\$715,020	\$534,522	\$3,085,437
1/31/2016	\$1,565,516			\$255,942			\$716,457	\$525,959	\$3,063,874
2/29/2016	\$1,586,685			\$248,437			\$739,871	\$547,500	\$3,122,493
3/31/2016	\$1,518,186			\$239,917			\$755,204	\$559,095	\$3,072,401
4/30/2016	\$1,470,199			\$223,440			\$794,616	\$544,852	\$3,033,109
5/31/2016	\$1,403,324			\$217,892			\$836,290	\$555,703	\$3,013,209
6/30/2016	\$1,278,835			\$201,606			\$940,144	\$571,887	\$2,992,473
7/31/2016	\$1,234,360			\$190,302			\$1,005,481	\$583,593	\$3,013,735
8/31/2016	\$1,033,094			\$159,116			\$1,192,805	\$608,304	\$2,993,318
9/30/2016	\$739,867	·		\$135,611			\$1,424,270	\$645,052	\$2,944,800
10/31/2016	ψ. 65)66.	\$327,605	\$234,775	· ·	\$11,733	\$123,240	\$1,572,829	\$644,630	\$2,914,812
11/30/2016	•	\$315,478	\$250,376	•	\$9,947	\$125,354	\$1,627,562	\$646,148	\$2,974,864
12/31/2016		\$299,286	\$251,070		\$8,515	\$125,956	\$1,622,252	\$651,244	\$2,958,323
1/31/2017	•	\$312,992	\$249,093	•	\$10,065	\$125,290	\$1,587,668	\$632,071	\$2,917,180
2/28/2017	•	\$337,070	\$249,900	•	\$9,301	\$125,488	\$1,583,710	\$625,897	\$2,931,366
3/31/2017	•	\$345,626	\$253,517	•	\$10,242	\$125,135	\$1,565,137	\$630,006	\$2,929,662
4/30/2017	•	\$359,051	\$249,867	•	\$10,242	\$123,133	\$1,552,328	\$622,862	\$2,917,033
5/31/2017	•	\$362,334	\$249,039	•	\$10,438	\$123,434	\$1,532,328	\$632,849	\$2,920,815
6/30/2017	•	\$365,381	\$249,039	•	\$10,438	\$123,434	\$1,542,721	\$626,484	\$2,897,146
7/31/2017	•	\$373,600	\$249,974	•	\$10,279	\$124,256	\$1,522,224	\$637,985	\$2,897,140
8/31/2017	•	\$373,000	\$251,324	•	\$11,037	\$124,230	\$1,553,166	\$660,348	\$2,988,245
9/30/2017	•	\$404,603	\$259,868	•	\$10,312	\$122,483	\$1,574,285	\$663,665	\$3,034,448
10/31/2017	•	\$404,003	\$259,808	•	\$10,410	\$121,017	\$1,574,283	\$656,264	\$3,034,448
11/30/2017	•	\$415,780	\$264,015	•	\$9,817	\$121,903	\$1,570,491	\$672,906	\$3,080,251
	•	\$398,906	\$267,267	•	\$8,471		\$1,623,763	\$701,105	\$3,125,468
12/31/2017	•			•	\$11,007	\$125,956			
1/31/2018	•	\$409,131	\$260,248	•		\$130,606	\$1,576,634	\$693,592	\$3,081,218
2/28/2018	•	\$405,107	\$261,506	•	\$11,045	\$129,155	\$1,611,143	\$703,951	\$3,121,907
3/31/2018	•	\$403,237	\$259,935	•	\$10,600	\$126,517	\$1,579,295	\$694,141	\$3,073,725
4/30/2018	•	\$426,570	\$258,738	•	\$11,209	\$124,743	\$1,608,243	\$675,210	\$3,104,714
5/31/2018	•	\$424,669	\$261,345	•	\$11,460	\$131,305	\$1,642,125	\$679,433	\$3,150,337
6/30/2018		\$407,446	\$269,693	•	\$11,275	\$127,829	\$1,594,736	\$687,483	\$3,098,461
7/31/2018	•	\$418,773	\$282,640	•	\$11,518	\$122,974	\$1,594,613	\$683,173	\$3,113,690
8/31/2018		\$434,967	\$297,585		\$11,685	\$123,408	\$1,589,341	\$686,627	\$3,143,613
9/30/2018	•	\$442,811	\$303,635	•	\$12,113	\$123,056	\$1,580,133	\$693,942	\$3,155,690
10/31/2018		\$433,830	\$309,501		\$12,028	\$126,114	\$1,586,514	\$695,901	\$3,163,887
11/30/2018	•	\$449,337	\$322,412		\$12,602	\$130,641	\$1,610,212	\$727,993	\$3,253,196
12/31/2018		\$420,950	\$343,235		\$12,441	\$137,247	\$1,641,942	\$742,059	\$3,297,873
1/31/2019		\$458,035	\$356,898		\$14,615	\$131,201	\$1,644,200	\$724,344	\$3,329,293
2/28/2019		\$501,861	\$371,005		\$15,028	\$128,667	\$1,667,299	\$722,295	\$3,406,155
3/31/2019		\$591,448	\$380,660		\$15,696	\$129,323	\$1,645,631	\$731,255	\$3,494,012
4/30/2019		\$616,748	\$383,207		\$13,853	\$124,749	\$1,636,524	\$719,621	\$3,494,702
5/31/2019		\$616,085	\$392,730		\$13,568	\$127,081	\$1,678,816	\$744,591	\$3,572,870
6/30/2019		\$616,389	\$402,029		\$14,649	\$126,530	\$1,697,007	\$758,179	\$3,614,783
7/31/2019		\$626,601	\$414,136		\$15,008	\$125,881	\$1,731,398	\$777,329	\$3,690,354

C. Weighted Average 7-Day Gross Yield

	Prime (Pre-Oct 2016)	Prime Institutional	Prime Retail	Muni (Pre-Oct 2016)	Muni Institutional	Muni Retail	Government	Treasury
7/31/2015	0.24%			0.07%			0.13%	0.09%
8/31/2015	0.25%			0.07%			0.14%	0.09%
9/30/2015	0.26%			0.07%			0.15%	0.09%
10/31/2015	0.26%			0.07%			0.15%	0.09%
11/30/2015	0.27%			0.06%			0.16%	0.13%
12/31/2015	0.41%			0.07%			0.29%	0.25%
1/31/2016	0.49%			0.07%			0.35%	0.31%
2/29/2016	0.53%			0.08%		•	0.38%	0.35%
3/31/2016	0.55%		•	0.33%	•	•	0.40%	0.37%
4/30/2016	0.55%		•	0.41%		•	0.41%	0.35%
5/31/2016	0.55%	·	•	0.42%	•	•	0.41%	0.37%
6/30/2016	0.57%	•	•	0.46%	•	•	0.45%	0.39%
7/31/2016	0.55%			0.47%		•	0.43%	0.38%
8/31/2016	0.57%	•	•	0.60%	•	•	0.43%	0.38%
9/30/2016	0.63%	•	•	0.81%		•	0.43%	0.37%
	0.05%	0.639/	0.909/	0.01%	0.639/	0.700/		
10/31/2016		0.63%	0.80%	·	0.63%	0.70%	0.44%	0.39%
11/30/2016	•	0.63%	0.81%	•	0.59%	0.62%	0.44%	0.42%
12/31/2016		0.79%	0.93%		0.76%	0.77%	0.58%	0.53%
1/31/2017	•	0.84%	0.98%	•	0.69%	0.72%	0.61%	0.56%
2/28/2017		0.84%	0.99%		0.67%	0.71%	0.62%	0.58%
3/31/2017	•	0.98%	1.08%	•	0.86%	0.87%	0.76%	0.74%
4/30/2017		1.02%	1.14%		0.92%	0.94%	0.80%	0.78%
5/31/2017		1.03%	1.15%		0.81%	0.84%	0.85%	0.84%
6/30/2017		1.20%	1.26%		0.91%	0.93%	1.01%	1.00%
7/31/2017		1.24%	1.30%		0.84%	0.89%	1.05%	1.07%
8/31/2017		1.25%	1.31%		0.83%	0.86%	1.07%	1.05%
9/30/2017		1.25%	1.31%		0.94%	0.96%	1.08%	1.07%
10/31/2017		1.26%	1.33%		0.95%	0.97%	1.10%	1.10%
11/30/2017		1.29%	1.36%		0.98%	1.00%	1.14%	1.15%
12/31/2017		1.48%	1.56%		1.61%	1.59%	1.33%	1.32%
1/31/2018		1.55%	1.61%		1.14%	1.18%	1.38%	1.37%
2/28/2018		1.60%	1.68%		1.14%	1.16%	1.44%	1.47%
3/31/2018		1.83%	1.89%		1.48%	1.46%	1.69%	1.69%
4/30/2018		1.92%	2.01%		1.72%	1.71%	1.75%	1.74%
5/31/2018		1.97%	2.08%		1.16%	1.24%	1.80%	1.80%
6/30/2018		2.11%	2.21%		1.53%	1.53%	1.95%	1.92%
7/31/2018		2.14%	2.22%		1.08%	1.10%	1.97%	1.95%
8/31/2018		2.15%	2.24%		1.57%	1.59%	2.01%	2.01%
9/30/2018		2.23%	2.30%		1.59%	1.59%	2.11%	2.12%
10/31/2018		2.35%	2.39%		1.64%	1.66%	2.22%	2.23%
11/30/2018		2.39%	2.48%		1.74%	1.74%	2.28%	2.29%
12/31/2018		2.58%	2.62%		1.75%	1.76%	2.45%	2.44%
1/31/2019		2.61%	2.67%		1.41%	1.45%	2.45%	2.44%
2/28/2019		2.62%	2.66%		1.76%	1.78%	2.47%	2.45%
3/31/2019	•	2.59%	2.65%	·	1.53%	1.59%	2.49%	2.49%
4/30/2019	•	2.58%	2.63%	•	2.23%	2.20%	2.49%	2.48%
5/31/2019		2.54%	2.58%	•	1.58%	1.52%	2.45%	2.43%
6/30/2019	•	2.50%		•	1.88%	1.88%	2.43%	
7/31/2019		2.50%	2.55% 2.47%		1.88%	1.48%	2.43%	2.37% 2.30%

D. Weighted Average 7-Day Net Yield

	Prime	Prime	Prime	Muni	Muni	Muni		-
7/24/2015	(Pre-Oct 2016)	Institutional	Retail	(Pre-Oct 2016)	Institutional	Retail	Government	Treasury
7/31/2015	0.08%	•	•	0.01%	•	•	0.01%	0.01%
8/31/2015	0.08%		•	0.01%		•	0.01%	0.01%
9/30/2015	0.09%		•	0.01%		•	0.02%	0.01%
10/31/2015	0.09%			0.01%			0.02%	0.00%
11/30/2015	0.11%		•	0.01%		•	0.02%	0.01%
12/31/2015	0.22%			0.01%			0.06%	0.06%
1/31/2016	0.29%		•	0.01%		•	0.09%	0.10%
2/29/2016	0.32%			0.01%			0.11%	0.13%
3/31/2016	0.33%			0.06%		•	0.13%	0.14%
4/30/2016	0.34%			0.09%			0.13%	0.14%
5/31/2016	0.34%			0.10%			0.13%	0.15%
6/30/2016	0.35%			0.12%			0.17%	0.17%
7/31/2016	0.34%			0.13%			0.17%	0.16%
8/31/2016	0.35%			0.23%			0.18%	0.16%
9/30/2016	0.40%			0.43%			0.21%	0.16%
10/31/2016		0.52%	0.44%		0.53%	0.31%	0.21%	0.17%
11/30/2016		0.56%	0.43%		0.49%	0.24%	0.21%	0.20%
12/31/2016		0.71%	0.54%		0.65%	0.37%	0.32%	0.29%
1/31/2017		0.76%	0.58%		0.58%	0.33%	0.35%	0.32%
2/28/2017		0.76%	0.60%		0.56%	0.31%	0.35%	0.33%
3/31/2017		0.91%	0.69%		0.76%	0.49%	0.51%	0.49%
4/30/2017		0.95%	0.76%		0.82%	0.55%	0.53%	0.53%
5/31/2017		0.96%	0.77%		0.70%	0.46%	0.57%	0.59%
6/30/2017		1.13%	0.88%		0.80%	0.56%	0.73%	0.75%
7/31/2017		1.16%	0.93%		0.73%	0.52%	0.77%	0.82%
8/31/2017		1.17%	0.94%		0.71%	0.49%	0.79%	0.81%
9/30/2017	•	1.17%	0.94%		0.83%	0.58%	0.81%	0.82%
10/31/2017	•	1.18%	0.97%	•	0.82%	0.62%	0.82%	0.85%
11/30/2017	•	1.21%	1.01%	•	0.87%	0.66%	0.86%	0.91%
12/31/2017	•	1.40%	1.20%	•	1.45%	1.23%	1.05%	1.08%
1/31/2018	·	1.46%	1.27%	•	1.01%	0.85%	1.10%	1.13%
2/28/2018	•	1.51%	1.34%	•	1.01%	0.83%	1.15%	1.23%
3/31/2018	•	1.75%	1.57%	•	1.35%	1.12%	1.40%	1.45%
	•			•				
4/30/2018		1.85%	1.70%		1.58%	1.39%	1.46%	1.50%
5/31/2018	•	1.89%	1.78%	•	1.03%	0.93%	1.52%	1.56%
6/30/2018		2.03%	1.91%	•	1.39%	1.22%	1.67%	1.68%
7/31/2018	•	2.05%	1.93%	•	0.94%	0.79%	1.69%	1.72%
8/31/2018		2.06%	1.95%		1.44%	1.28%	1.73%	1.78%
9/30/2018	•	2.14%	2.02%	•	1.45%	1.28%	1.83%	1.89%
10/31/2018		2.25%	2.12%		1.51%	1.36%	1.94%	2.00%
11/30/2018		2.30%	2.20%		1.62%	1.44%	1.99%	2.05%
12/31/2018		2.49%	2.35%		1.63%	1.46%	2.16%	2.21%
1/31/2019		2.52%	2.40%		1.29%	1.16%	2.17%	2.21%
2/28/2019		2.52%	2.39%		1.63%	1.49%	2.18%	2.23%
3/31/2019		2.52%	2.39%		1.41%	1.31%	2.21%	2.26%
4/30/2019		2.50%	2.37%		2.10%	1.92%	2.21%	2.25%
5/31/2019		2.46%	2.32%		1.45%	1.24%	2.17%	2.21%
6/30/2019	•	2.42%	2.28%	•	1.75%	1.60%	2.15%	2.14%
7/31/2019		2.36%	2.21%		1.34%	1.21%	2.10%	2.07%

E. Weighted Average Life, in days (a measure of credit sensitivity)

	Prime	Prime	Prime	Muni	Muni	Muni		
	(Pre-Oct 2016)	Institutional	Retail	(Pre-Oct 2016)	Institutional	Retail	Government	Treasury
7/31/2015	72.6		•	34.3			79.5	74.2
8/31/2015	67.7			33.6			84.5	72.3
9/30/2015	67.0		•	34.0			87.9	77.8
10/31/2015	70.1	•		34.3			94.3	83.1
11/30/2015	66.7			31.7			87.9	80.6
12/31/2015	57.6			29.4			86.7	83.2
1/31/2016	60.0			28.1			89.4	88.3
2/29/2016	58.5			26.4			92.1	93.4
3/31/2016	55.5			26.9			96.0	94.7
4/30/2016	51.7			23.4			95.4	94.8
5/31/2016	46.8			21.1			95.4	94.5
6/30/2016	45.1			25.3			97.0	102.8
7/31/2016	39.8			26.7			98.7	98.9
8/31/2016	36.5			29.0			97.4	99.7
9/30/2016	42.9			27.5			93.4	97.3
10/31/2016		52.8	67.0		14.1	27.0	93.1	98.0
11/30/2016		55.0	71.5		15.6	28.1	93.8	96.8
12/31/2016		54.1	70.2		16.9	29.3	95.1	98.6
1/31/2017	•	53.8	68.6	•	15.2	27.9	94.6	100.1
2/28/2017		50.7	69.2		15.2	26.8	91.3	98.2
3/31/2017	•	53.4	68.1	•	14.3	24.5	88.7	95.5
4/30/2017	•	53.7	66.0	•	12.4	22.9	84.8	89.5
5/31/2017	•	52.8	70.8	•	10.9	20.3	82.0	87.1
6/30/2017	•	57.1	76.0	•	11.1	24.1	84.4	94.6
7/31/2017		57.7	76.1	•	10.0	24.7	86.1	89.6
8/31/2017	•	56.5	75.3		12.7	30.5	85.2	90.2
9/30/2017		55.3	72.1	•	14.1	29.4	84.0	90.6
10/31/2017	•	57.2	70.2	•	14.3	27.1	80.3	86.5
11/30/2017		58.2	74.3	•	14.6	28.1	86.2	82.8
12/31/2017	•	57.8	69.9	•	17.2	30.8	89.6	86.7
1/31/2017		56.7	65.8		13.3	27.1	91.4	88.9
2/28/2018	•	53.0	69.0	•	13.1	26.2	90.4	89.3
3/31/2018		55.2		•	13.4		90.4	93.3
	•		72.5 65.7	•		26.6		
4/30/2018		51.3		٠	10.4	24.0	86.3	90.8
5/31/2018	•	49.8	65.1 66.6	•	11.2	23.9	82.2	91.9 93.7
6/30/2018 7/31/2018		53.0		•	10.5	25.1	85.1	
	•	54.8	62.5	•	10.7	24.0	83.4	90.3
8/31/2018		57.1	64.2	•	9.8	25.6	84.2	93.4
9/30/2018	•	59.0	66.8	•	11.7	32.1	86.9	93.4
10/31/2018		56.0	65.0		13.3	32.6	87.9	91.8
11/30/2018	•	59.3	73.5	•	14.3	31.2	86.1	89.0
12/31/2018		58.1	62.9		13.9	29.2	87.2	90.9
1/31/2019	•	58.4	62.0	•	12.9	29.6	85.8	93.1
2/28/2019	•	59.0	64.0	•	14.0	27.9	88.3	92.3
3/31/2019	•	56.9	67.0	•	14.6	27.6	93.0	92.5
4/30/2019		56.4	62.5		12.9	25.1	90.9	92.6
5/31/2019		60.1	63.1		14.1	25.0	93.3	91.2
6/30/2019		58.2	62.8		14.1	32.5	95.5	91.1
7/31/2019		58.8	62.9		12.8	31.4	94.7	93.6

F. Weighted Average Maturity, in days (a measure of interest rate sensitivity)

	Prime (Pre-Oct 2016)	Prime Institutional	Prime Retail	Muni (Pre-Oct 2016)	Muni Institutional	Muni Retail	Government	Treasury
7/31/2015	36.6			32.2			37.8	43.3
8/31/2015	32.3			31.2			35.8	41.3
9/30/2015	32.0			31.8			34.7	41.3
10/31/2015	35.8			32.1			37.8	43.2
11/30/2015	32.8			29.2			37.0	39.8
12/31/2015	30.6	•	•	27.4	•	•	38.6	42.6
1/31/2016	34.5	•	•	26.1	•	•	37.9	41.4
2/29/2016	35.2		•	23.8		•	39.2	44.7
3/31/2016	35.1	•	•	23.4	•	•	39.8	44.6
4/30/2016	33.4	•	•	21.2	•	•	39.8	42.2
5/31/2016	30.5	•	•	18.4	•	•	38.9	39.3
6/30/2016	29.0	•	•	23.3	•	•	39.4	43.0
7/31/2016	24.8		•	24.9	•	•	39.5	42.3
8/31/2016	21.8	•	•	26.6	•	•	39.1	45.3
9/30/2016	25.8		•	24.9	•	•	40.4	46.2
10/31/2016		20.2	44.8	24.9	12.6	24.6		
		28.3			13.6	24.6	41.8	46.5
11/30/2016	•	27.1	44.0	•	14.9	25.7	42.2	46.0
12/31/2016		24.4	39.6		15.9	27.1	45.0	47.0
1/31/2017	•	24.8	38.3		14.3	25.3	42.3	46.6
2/28/2017		22.9	37.9		14.5	23.8	40.0	43.1
3/31/2017	•	23.0	33.4	•	13.7	21.9	38.1	40.2
4/30/2017		24.8	33.6		11.7	20.2	34.8	36.3
5/31/2017	•	22.3	38.2		10.5	17.3	31.2	33.3
6/30/2017		23.8	40.2		10.4	21.3	32.0	37.7
7/31/2017		25.7	39.3		9.4	21.8	31.2	34.8
8/31/2017		25.7	37.8		12.1	27.4	29.7	35.8
9/30/2017		23.7	34.0		13.4	26.8	30.3	36.5
10/31/2017		22.3	33.8		13.6	24.5	28.8	33.1
11/30/2017		23.3	35.3		14.1	25.7	30.1	31.3
12/31/2017		25.0	35.7		16.5	28.7	31.8	34.9
1/31/2018		24.0	31.6		12.8	24.9	29.5	34.6
2/28/2018		23.0	31.8		12.7	24.0	28.9	36.9
3/31/2018		26.4	35.2		12.8	24.5	32.2	37.1
4/30/2018		24.5	30.9		9.8	21.0	28.6	34.5
5/31/2018		22.2	32.3		10.9	21.2	27.1	34.0
6/30/2018		25.4	34.5	•	10.2	22.1	29.4	36.0
7/31/2018		27.6	33.5		9.8	20.2	27.7	31.7
8/31/2018		27.9	36.1		9.2	22.3	28.6	32.5
9/30/2018		28.0	34.3		11.4	28.8	33.3	33.6
10/31/2018		25.7	29.9		12.9	30.0	32.2	32.1
11/30/2018		27.7	35.4		14.1	29.0	31.1	29.4
12/31/2018		25.8	32.3		13.5	27.2	30.3	31.3
1/31/2019		27.6	34.1		12.5	27.5	27.0	32.4
2/28/2019		29.0	34.8		13.5	25.4	26.9	31.5
3/31/2019		33.3	39.4		14.2	25.3	29.7	32.4
4/30/2019		32.9	34.2		12.6	22.7	28.2	31.6
5/31/2019		33.6	32.7		13.8	22.6	27.7	32.3
6/30/2019		32.4	32.9		13.7	30.6	27.7	31.6
7/31/2019	•	32.2	32.9	•	12.4	28.9	26.9	33.3

G. Daily Liquid Assets as Percent of Total Assets

(As municipal funds do not have a daily liquidity requirement, their daily liquidity statistics are not included here.)

	Prime	Prime	Prime		
	(Pre-Oct 2016)	Institutional	Retail	Government	Treasury
7/31/2015	26.4%			32.0%	91.2%
8/31/2015	27.7%			30.5%	91.8%
9/30/2015	24.3%			28.7%	89.4%
10/31/2015	27.5%	•	•	32.5%	92.6%
11/30/2015	30.1%	•	•	39.6%	93.8%
12/31/2015	32.3%	•	•	37.0%	96.0%
1/31/2016	27.9%		•	31.3%	93.8%
2/29/2016	30.7%	•		32.2%	94.4%
3/31/2016	31.0%	•	•	34.2%	95.7%
4/30/2016	32.7%	•		32.0%	91.2%
5/31/2016	32.7%	•	•	32.0%	93.3%
6/30/2016	31.0%	•	•	35.0%	94.1%
7/31/2016	34.8%	•	•	32.6%	90.1%
8/31/2016	38.9%	•	•	40.0%	92.9%
9/30/2016	43.0%	•		46.7%	93.3%
10/31/2016	43.070	41.4%	30.3%	47.3%	93.5%
11/30/2016	·	37.8%	25.9%	46.4%	93.1%
12/31/2016	•	41.0%	30.3%	49.3%	94.4%
1/31/2017	•	38.5%	28.4%	43.6%	93.5%
2/28/2017	•	37.8%	25.8%	44.2%	93.0%
3/31/2017	•	41.4%	28.6%	47.3%	94.5%
4/30/2017	•	33.7%	23.2%	44.0%	89.7%
5/31/2017	•	39.7%	27.8%	45.1%	91.1%
6/30/2017	•	41.9%	27.8%	44.8%	93.2%
7/31/2017	•	36.6%	26.6%	41.2%	91.4%
8/31/2017	•	35.7%	26.5%	42.4%	90.2%
9/30/2017	•	40.1%	29.2%	42.4%	91.8%
10/31/2017	•	37.9%	27.1%	43.8%	90.7%
11/30/2017		37.5%	25.0%	42.6%	91.2%
	•		29.8%	45.9%	93.4%
12/31/2017	•	38.5%			91.4%
1/31/2018	•	31.7%	22.4% 26.1%	40.9%	91.4%
2/28/2018		33.9%		44.3%	
3/31/2018 4/30/2018	•	35.1%	26.7%	47.0%	92.4%
5/31/2018	•	37.2% 34.9%	25.2% 20.8%	46.6%	91.6%
	•	34.9%	20.8%	47.1% 45.0%	90.9% 90.9%
6/30/2018 7/31/2018	•		23.9%	45.0%	
	•	36.4%			90.8%
8/31/2018		40.1%	27.8%	47.4%	92.2%
9/30/2018	•	37.0%	23.1%	47.1%	91.6%
10/31/2018	•	39.3%	22.4%	47.0%	92.1%
11/30/2018	•	37.8%	25.7%	46.5%	91.5%
12/31/2018		37.9%	30.6%	49.0%	93.4%
1/31/2019	•	40.2%	27.0%	47.6%	92.4%
2/28/2019		40.0%	27.5%	47.1%	91.9%
3/31/2019	•	41.2%	27.6%	44.2%	92.1%
4/30/2019		39.9%	26.0%	43.1%	91.5%
5/31/2019	•	37.6%	23.6%	42.6%	90.6%
6/30/2019		37.8%	21.5%	43.4%	90.1%
7/31/2019		38.4%	22.2%	45.3%	90.2%

H. Weekly Liquid Assets as Percent of Total Assets

	Prime (Pre-Oct 2016)	Prime Institutional	Prime Retail	Muni (Pre-Oct 2016)	Muni Institutional	Muni Retail	Government	Treasury
7/31/2015	39.9%			79.2%			65.9%	98.9%
8/31/2015	41.5%			79.9%			64.6%	99.3%
9/30/2015	42.2%			80.4%			64.0%	99.5%
10/31/2015	41.7%			66.4%			58.2%	99.0%
11/30/2015	43.0%			79.8%			64.7%	99.3%
12/31/2015	45.3%			79.9%			61.5%	99.8%
1/31/2016	42.6%			66.5%			60.9%	98.9%
2/29/2016	42.9%			79.5%			61.6%	99.5%
3/31/2016	44.7%			79.5%			59.3%	99.5%
4/30/2016	45.8%			68.0%			57.4%	95.5%
5/31/2016	48.0%			79.6%			59.3%	99.0%
6/30/2016	49.0%			81.0%			58.9%	98.9%
7/31/2016	53.7%		•	77.2%		•	58.2%	96.0%
8/31/2016	62.3%	•	•	79.8%	•	•	63.9%	98.6%
9/30/2016	62.5%	•	•	78.6%	•	•	67.6%	98.6%
10/31/2016	02.570	58.0%	45.2%	70.070	93.1%	79.1%	69.5%	98.4%
11/30/2016	·	57.5%	43.6%	·	90.4%	79.0%	68.8%	98.5%
12/31/2016	•	58.8%	42.9%	•	90.5%	77.3%	68.4%	98.4%
1/31/2017	•	56.0%	43.0%	•	91.3%	76.5%	67.3%	98.6%
2/28/2017	•	56.2%	42.8%	•	89.1%	76.8%	68.8%	98.7%
	•	56.1%						
3/31/2017	•		43.3%	•	88.2%	79.2%	68.6%	99.0%
4/30/2017		54.3%	41.6%	·	85.5%	75.8%	69.2%	96.1%
5/31/2017	•	54.7%	42.7%	•	90.0%	80.2%	69.7%	98.3%
6/30/2017		56.5%	41.9%	•	92.9%	80.6%	68.4%	99.2%
7/31/2017	•	55.7%	41.3%	•	90.3%	79.5%	67.5%	98.9%
8/31/2017	•	54.7%	41.5%		91.1%	77.7%	66.8%	98.3%
9/30/2017	•	56.0%	45.2%	•	83.6%	66.0%	67.8%	98.2%
10/31/2017	•	55.8%	44.1%		88.3%	78.4%	70.8%	97.8%
11/30/2017	•	55.4%	44.0%	•	89.5%	79.3%	69.8%	99.0%
12/31/2017		55.1%	44.7%		85.4%	76.3%	70.0%	98.4%
1/31/2018		53.6%	44.4%		87.4%	78.0%	70.6%	98.0%
2/28/2018		54.7%	44.9%		87.1%	77.7%	70.7%	97.8%
3/31/2018		54.0%	41.6%		84.3%	74.3%	69.7%	97.7%
4/30/2018	•	55.6%	41.7%		89.8%	75.4%	70.6%	98.4%
5/31/2018		54.8%	41.2%		88.7%	76.7%	71.4%	98.5%
6/30/2018		54.4%	41.0%		90.3%	77.4%	70.1%	98.6%
7/31/2018		55.1%	41.9%		85.4%	78.3%	71.1%	98.0%
8/31/2018		55.5%	42.0%		91.6%	79.4%	72.6%	98.8%
9/30/2018		54.3%	42.7%		86.4%	76.2%	70.5%	98.3%
10/31/2018	•	55.1%	42.8%		89.1%	76.4%	70.9%	98.2%
11/30/2018		54.0%	40.1%		88.9%	77.4%	71.9%	99.0%
12/31/2018		54.0%	43.3%		87.5%	76.7%	71.7%	98.7%
1/31/2019		54.6%	41.6%		89.6%	74.4%	70.8%	98.2%
2/28/2019		54.3%	42.4%		88.8%	76.4%	70.8%	98.0%
3/31/2019		55.8%	41.2%		87.5%	75.5%	69.5%	98.1%
4/30/2019		54.2%	41.2%		84.9%	74.8%	69.3%	98.3%
5/31/2019		52.6%	41.5%		87.2%	76.2%	69.4%	98.5%
6/30/2019		53.7%	40.6%		86.2%	74.6%	69.9%	97.7%
7/31/2019		53.1%	40.6%		86.0%	76.1%	69.9%	97.9%

I. Prime MMFs Holdings of Bank-Related Securities by Country (Millions)

(Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty)

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	US	PrimeAust/NZ	Canada	France	Germany	Japan	Netherlands	Switzerland	UK
7/31/2015	\$218,162	\$89,752	\$208,840	\$184,908	\$46,376	\$176,656	\$54,486	\$52,487	\$93,436
8/31/2015	\$215,660	\$85,230	\$209,835	\$190,023	\$49,435	\$175,545	\$53,304	\$46,570	\$97,549
9/30/2015	\$183,399	\$79,368	\$206,436	\$116,480	\$48,433	\$174,694	\$56,228	\$43,836	\$63,743
10/31/2015	\$186,642	\$89,622	\$188,570	\$188,032	\$46,715	\$178,992	\$53,497	\$46,285	\$73,738
11/30/2015	\$188,746	\$88,191	\$199,736	\$179,724	\$38,772	\$172,077	\$50,962	\$45,123	\$73,477
12/31/2015	\$187,704	\$87,351	\$183,189	\$104,508	\$32,739	\$162,264	\$43,484	\$31,781	\$57,684
1/31/2016	\$182,104	\$84,278	\$177,634	\$181,821	\$43,463	\$161,629	\$50,000	\$41,933	\$77,124
2/29/2016	\$190,935	\$81,949	\$181,858	\$190,173	\$46,675	\$156,241	\$50,163	\$47,716	\$74,990
3/31/2016	\$176,293	\$68,987	\$165,549	\$132,379	\$50,440	\$163,308	\$49,837	\$41,728	\$63,814
4/30/2016	\$171,482	\$71,449	\$139,091	\$177,840	\$53,344	\$159,432	\$47,800	\$40,081	\$69,096
5/31/2016	\$149,185	\$62,106	\$141,828	\$164,771	\$53,837	\$160,888	\$44,629	\$36,550	\$63,438
6/30/2016	\$143,672	\$63,142	\$137,677	\$111,480	\$44,286	\$145,936	\$39,564	\$29,145	\$57,450
7/31/2016	\$127,698	\$60,820	\$112,577	\$157,244	\$48,879	\$128,902	\$35,698	\$33,991	\$52,566
8/31/2016	\$100,567	\$50,344	\$99,785	\$145,490	\$39,497	\$87,568	\$28,035	\$24,611	\$40,598
9/30/2016	\$77,117	\$37,403	\$76,796	\$55,565	\$28,727	\$50,429	\$23,803	\$13,239	\$30,229
10/31/2016	\$55,269	\$28,265	\$56,307	\$53,223	\$23,749	\$47,863	\$20,252	\$12,274	\$25,672
11/30/2016	\$52,839	\$29,012	\$60,293	\$57,610	\$22,680	\$43,767	\$21,795	\$10,491	\$21,786
12/31/2016	\$58,507	\$34,539	\$70,573	\$41,649	\$19,868	\$44,763	\$12,350	\$11,287	\$13,580
1/31/2017	\$58,023	\$33,000	\$64,246	\$55,054	\$25,345	\$43,610	\$16,778	\$11,769	\$24,091
2/28/2017	\$53,922	\$35,300	\$66,475	\$62,096	\$26,524	\$44,909	\$16,373	\$12,045	\$20,550
3/31/2017	\$56,244	\$38,773	\$81,099	\$47,431	\$26,119	\$47,452	\$16,410	\$10,892	\$18,155
4/30/2017	\$61,042	\$39,134	\$68,858	\$59,551	\$25,048	\$48,325	\$19,921	\$14,838	\$25,945
5/31/2017	\$57,170	\$37,442	\$69,156	\$63,174	\$25,561	\$47,673	\$21,388	\$16,209	\$26,238
6/30/2017	\$59,305	\$38,208	\$80,402	\$45,291	\$18,840	\$49,401	\$16,196	\$15,530	\$23,052
7/31/2017	\$60,935	\$36,520	\$79,390	\$56,574	\$27,019	\$48,260	\$24,212	\$12,878	\$25,745
8/31/2017	\$61,380	\$38,688	\$76,927	\$64,906	\$28,424	\$48,492	\$31,501	\$14,699	\$26,002
9/30/2017	\$55,743	\$41,342	\$84,706	\$54,480	\$29,824	\$51,631	\$21,272	\$15,014	\$29,727
10/31/2017	\$60,851	\$40,871	\$78,528	\$63,416	\$28,244	\$50,062	\$34,688	\$16,699	\$31,297
11/30/2017	\$65,019	\$42,365	\$93,097	\$65,718	\$33,112	\$54,121	\$29,178	\$15,789	\$32,885
12/31/2017	\$67,441	\$47,085	\$101,879	\$39,108	\$24,540	\$51,882	\$14,462	\$16,354	\$30,506
1/31/2018	\$72,365	\$42,414	\$88,728	\$62,068	\$28,744	\$50,203	\$36,648	\$20,878	\$32,517
2/28/2018	\$63,838	\$39,232	\$89,252	\$63,537	\$27,239	\$55,237	\$33,060	\$23,998	\$35,451
3/31/2018	\$67,938	\$39,869	\$90,298	\$50,320	\$30,199	\$53,094	\$28,967	\$18,139	\$37,838
4/30/2018	\$66,039	\$36,711	\$84,856	\$61,343	\$31,266	\$57,737	\$28,094	\$30,528	\$38,762
5/31/2018	\$68,223	\$32,490	\$89,509	\$56,732	\$34,619	\$64,388	\$29,163	\$25,283	\$41,567
6/30/2018	\$66,354	\$35,652	\$91,761	\$48,019	\$32,600	\$59,551	\$18,954	\$17,792	\$31,895
7/31/2018	\$66,036	\$28,949	\$85,975	\$60,509	\$34,956	\$65,719	\$36,348	\$19,943	\$41,350
8/31/2018	\$71,662	\$30,607	\$90,422	\$59,673	\$34,339	\$66,409	\$32,119	\$18,993	\$44,571
9/30/2018	\$71,010	\$31,444	\$105,020	\$60,898	\$35,392	\$71,200	\$29,567	\$10,678	\$38,307
10/31/2018	\$76,953	\$33,813	\$98,542	\$78,202	\$40,330	\$68,986	\$26,881	\$20,441	\$46,233
11/30/2018	\$82,906	\$39,065	\$103,346	\$68,335	\$39,566	\$71,141	\$23,774	\$21,244	\$49,361
12/31/2018	\$92,421	\$40,161	\$123,301	\$53,809	\$23,065	\$83,019	\$15,576	\$23,882	\$35,439
1/31/2019	\$94,930	\$35,925	\$105,743	\$75,596	\$31,019	\$103,889	\$32,848	\$24,041	\$42,278
2/28/2019	\$94,414	\$35,982	\$112,401	\$79,765	\$31,393	\$88,977	\$25,027	\$29,481	\$44,540
3/31/2019	\$104,201	\$35,983	\$118,719	\$65,434	\$40,059	\$86,889	\$32,465	\$21,610	\$44,462
4/30/2019	\$117,016	\$33,793	\$124,289	\$86,468	\$41,331	\$99,667	\$31,575	\$28,371	\$40,256
5/31/2019	\$117,460	\$36,074	\$129,517	\$86,740	\$43,623	\$99,894	\$31,680	\$26,039	\$42,591
6/30/2019	\$121,047	\$38,184	\$147,844	\$72,379	\$42,936	\$96,784	\$28,774	\$21,892	\$48,687
7/31/2019	\$125,157	\$39,932	\$150,648	\$96,063	\$51,370	\$102,070	\$38,179	\$26,116	\$52,217
7,02,2013	7113,137	700,00 L	7200,010	750,000	70-,0,0	7-0-,0,0	ψυυ <u>,</u> Ξ, υ	Ψ=0,110	75-1-1

J. Prime MMFs Holdings of Bank-Related Securities by Region (Millions)

(Bank-related securities include Certificates of Deposit, Time Deposits, sponsored ABCP, and repurchase agreements where the bank is the counterparty)

	Americas	Asia/Pacific	Europe	Eurozone
7/31/2015	\$429,659		\$597,194	\$300,041
8/31/2015	\$428,223		\$607,487	\$306,772
9/30/2015	\$392,839		\$425,643	\$226,840
10/31/2015	\$377,808		\$586,639	\$302,055
11/30/2015	\$390,944		\$549,831	\$284,337
12/31/2015	\$373,214		\$339,225	\$186,618
1/31/2016	\$361,722		\$564,923	\$291,871
2/29/2016	\$374,976		\$584,937	\$304,889
3/31/2016	\$344,016		\$454,696	\$242,342
4/30/2016	\$312,791		\$571,371	\$297,202
5/31/2016	\$292,675		\$545,708	\$281,622
6/30/2016	\$282,750		\$391,986	\$202,039
7/31/2016	\$241,745		\$478,183	\$256,238
8/31/2016	\$201,539		\$414,665	\$230,238
9/30/2016	\$154,358		\$218,682	\$110,519
10/31/2016	\$134,338		\$189,513	\$110,515
11/30/2016	\$112,109		\$189,359	\$102,013
12/31/2016	\$113,730		\$132,221	\$78,415
1/31/2017	\$122,864		\$191,920	\$107,601
2/28/2017	\$122,804		\$191,920	\$107,001
3/31/2017	\$138,311		\$186,298	\$95,304
4/30/2017	\$130,493		\$216,358	\$117,210
5/31/2017	\$130,493		\$222,292	\$117,210
6/30/2017	\$140,245		\$178,741	\$86,779
7/31/2017	\$140,817		\$210,819	\$120,468
8/31/2017	\$138,973		\$236,187	\$137,561
9/30/2017	\$140,983		\$219,908	\$137,501
10/31/2017	\$140,003		\$247,709	\$141,263
11/30/2017	\$158,724		\$243,457	\$141,678
12/31/2017	\$170,109		\$172,127	\$86,732
1/31/2018	\$161,705		\$244,751	\$140,569
2/28/2018	\$153,706		\$246,462	\$135,413
3/31/2018	\$158,769		\$213,557	\$115,255
4/30/2018	\$151,439		\$254,940	\$130,595
5/31/2018	\$158,453		\$243,385	\$127,890
6/30/2018	\$158,771		\$213,975	\$106,821
7/31/2018	\$152,578		\$255,767	\$140,067
8/31/2018	\$162,799		\$252,776	\$134,998
9/30/2018	\$176,959		\$234,910	\$134,330
10/31/2018	\$176,333		\$276,946	\$158,020
11/30/2018	\$176,173		\$268,842	\$146,213
12/31/2018	\$216,533		\$202,689	\$103,413
1/31/2019	\$201,238		\$275,567	\$155,848
2/28/2019	\$207,344		\$290,111	\$153,646
3/31/2019	\$223,511		\$276,147	\$146,045
4/30/2019	\$241,898		\$293,622	\$169,148
5/31/2019	\$247,595		\$287,404	\$168,830
6/30/2019	\$269,558		\$277,733	\$152,257
7/31/2019	\$276,553		\$316,676	\$195,315
773172013	7210,333		7310,070	7100,010

K. Prime Funds Portfolio Composition

	Asset-Backed	CDs and Time Deposits	Financial Co. CP	Gov& Treas (Direct & Repo)	Non-Financial Co. CP & Other
7/31/2015	\$95,776	\$572,594	\$261,556	\$338,105	\$459,559
8/31/2015	\$99,382	\$573,424	\$252,335	\$366,240	\$461,532
9/30/2015	\$98,308	\$518,770	\$231,523	\$567,599	\$318,150
10/31/2015	\$97,867	\$536,390	\$244,734	\$482,490	\$423,476
11/30/2015	\$98,101	\$508,976	\$232,774	\$475,131	\$408,991
12/31/2015	\$100,001	\$448,039	\$212,028	\$511,341	\$284,518
1/31/2016	\$97,175	\$502,491	\$233,403	\$338,219	\$393,273
2/29/2016	\$99,442	\$509,330	\$229,720	\$338,413	\$413,816
3/31/2016	\$99,407	\$470,149	\$223,813	\$409,466	\$301,876
4/30/2016	\$93,903	\$633,856	\$228,874	\$296,958	\$214,119
5/31/2016	\$88,388	\$610,881	\$219,174	\$283,012	\$211,359
6/30/2016	\$82,300	\$493,649	\$191,981	\$315,884	\$188,373
7/31/2016	\$70,826	\$528,712	\$179,301	\$276,786	\$177,183
8/31/2016	\$50,509	\$458,565	\$141,475	\$220,096	\$159,002
9/30/2016	\$32,234	\$260,280	\$86,118	\$222,935	\$129,102
10/31/2016	\$31,214	\$212,463	\$86,686	\$125,909	\$106,548
11/30/2016	\$32,613	\$211,101	\$86,079	\$125,233	\$112,738
12/31/2016	\$32,515	\$191,495	\$78,677	\$138,081	\$104,516
1/31/2017	\$31,280	\$232,349	\$86,938	\$105,944	\$104,006
2/28/2017	\$31,882	\$243,982	\$94,693	\$109,092	\$104,009
3/31/2017	\$31,470	\$245,654	\$100,704	\$122,938	\$93,170
4/30/2017	\$34,261	\$259,185	\$102,998	\$105,465	\$101,768
5/31/2017	\$34,915	\$257,741	\$103,142	\$120,056	\$94,616
6/30/2017	\$38,005	\$231,652	\$101,583	\$154,742	\$83,467
7/31/2017	\$37,676	\$255,799	\$103,858	\$136,482	\$88,453
8/31/2017	\$41,166	\$271,275	\$118,815	\$117,587	\$92,259
9/30/2017	\$38,080	\$263,070	\$115,276	\$150,153	\$93,851
10/31/2017	\$38,932	\$279,090	\$119,279	\$137,314	\$95,196
11/30/2017	\$40,230	\$283,618	\$126,694	\$132,108	\$95,698
12/31/2017	\$41,367	\$229,575	\$125,719	\$162,539	\$98,792
1/31/2018	\$41,962	\$265,761	\$141,637	\$120,823	\$97,725
2/28/2018	\$40,185	\$256,631	\$143,571	\$123,698	\$104,043
3/31/2018	\$39,885	\$222,924	\$132,047	\$161,875	\$98,970
4/30/2018	\$38,018	\$242,621	\$142,426	\$163,528	\$97,577
5/31/2018	\$41,658	\$227,305	\$146,700	\$161,880	\$104,614
6/30/2018	\$41,932	\$230,096	\$143,163	\$158,911	\$95,339
7/31/2018	\$44,428	\$243,998	\$153,108	\$156,450	\$109,146
8/31/2018	\$45,757	\$240,445	\$150,485	\$189,323	\$104,427
9/30/2018	\$47,464	\$246,243	\$153,670	\$186,679	\$109,552
10/31/2018	\$46,840	\$262,769		\$172,413	\$107,399
11/30/2018	\$51,916	\$263,039	\$156,687 \$156,449	\$190,315	\$107,599
12/31/2018 1/31/2019	\$55,236 \$58,251	\$245,797 \$289,433	\$149,081 \$160,741	\$212,784 \$216,162	\$99,885 \$99,421
		·			
2/28/2019	\$59,125	\$297,990	\$167,806	\$244,638	\$109,297
3/31/2019	\$58,043	\$282,832	\$186,910	\$313,254	\$130,053
4/30/2019	\$59,523	\$298,736	\$192,077	\$310,274	\$140,941
5/31/2019	\$61,954	\$302,632	\$196,984	\$301,045	\$145,395
6/30/2019	\$62,729	\$321,788	\$205,101	\$281,563	\$147,701
7/31/2019	\$63,881	\$320,312	\$216,601	\$290,662	\$149,012

L. Government and Treasury MMFs Bank Repo Counterparties by Country (Millions)

7/31/2015 \$82,216 \$36,995 \$99,880 \$1,000 \$8,599 \$22,914 \$24,503 8/31/2015 \$85,265 \$41,352 \$92,357 \$1,777 \$8,573 \$22,653 \$22,965 9/30/2015 \$72,695 \$38,971 \$40,844 \$304 \$7,818 \$13,385 \$10,495 10/31/2015 \$81,216 \$32,669 \$96,394 \$459 \$11,401 \$19,277 \$34,908 11/30/2015 \$71,254 \$43,154 \$90,241 \$304 \$9,633 \$20,116 \$23,683 12/31/2015 \$72,819 \$44,675 \$37,590 \$2,065 \$11,037 \$15,345 \$99,874 1/31/2016 \$80,633 \$43,594 \$108,133 \$4,799 \$17,507 \$18,305 \$28,928 2/29/2016 \$87,553 \$50,817 \$120,096 \$8,047 \$17,711 \$20,984 \$31,294 3/31/2016 \$75,401 \$49,567 \$55,583 \$6,562 \$12,854 \$17,145 \$13,504 4/30/2016 \$90,436 \$54,482 \$125,243 \$9,869 \$24,977 \$24,413 \$29,614 5/31/2016 \$88,123 \$59,950 \$123,910 \$12,319 \$25,534 \$28,005 \$30,664 6/30/2016 \$88,294 \$72,381 \$71,196 \$9,752 \$24,498 \$24,165 \$13,089 7/31/2016 \$93,632 \$63,254 \$148,439 \$15,518 \$34,739 \$37,409 \$32,028 8/31/2016 \$105,961 \$75,811 \$173,611 \$20,024 \$37,760 \$41,857 \$38,445 9/30/2016 \$12,594 \$75,405 \$99,395 \$15,168 \$54,025 \$53,088 \$19,981 10/31/2016 \$104,212 \$92,700 \$77,674 \$10,245 \$66,141 \$49,231 \$40,666 11/30/2016 \$14,212 \$92,700 \$77,674 \$10,245 \$66,141 \$49,231 \$40,666 11/30/2017 \$130,451 \$87,787 \$184,044 \$23,358 \$77,648 \$50,601 \$38,485 2/28/2017 \$131,586 \$97,761 \$187,092 \$22,619 \$80,995 \$47,247 \$29,261 3/31/2017 \$130,451 \$87,787 \$184,044 \$23,358 \$77,648 \$50,601 \$38,485 2/28/2017 \$13,565 \$97,761 \$187,092 \$22,619 \$80,995 \$47,247 \$29,261 3/31/2017 \$130,451 \$87,787 \$184,044 \$23,358 \$77,648 \$50,601 \$38,485 2/28/2017 \$11,403 \$113,489 \$125,437 \$15,246 \$97,700 \$63,456 \$23,848 4/30/2017 \$130,451 \$87,878 \$184,044 \$23,358 \$77,648 \$50,601 \$38,485 2/28/2017 \$11,6938 \$103,416 \$114,987 \$13,631 \$82,655 \$34,403 \$22,336 4/30/2017 \$137,250 \$107,535 \$193,548 \$19,389 \$94,710 \$62,132 \$39,740 5/31/2017 \$130,451 \$87,878 \$184,044 \$23,358 \$77,648 \$50,601 \$38,485 2/28/2017 \$11,103 \$113,489 \$125,437 \$15,246 \$97,700 \$63,456 \$23,601 7/31/2017 \$130,451 \$87,878 \$18,404 \$23,358 \$77,648 \$50,601 \$38,485 2/28/2017 \$11,103 \$113,489 \$125,437 \$15,246 \$97,700 \$63,456 \$23,848 4/30/2017 \$137,550 \$105,509 \$200,030 \$22,802 \$1		US	Canada	France	Germany	Japan	UK	Other
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								\$44,590
								\$38,148
								\$44,497
								\$44,441
								\$29,363
								\$41,845
								\$37,886
								\$32,167
								\$37,889

M. Funds Repo with the Fed (Millions)

	- 10
- 10 - 10 0	FedRepo
7/31/2015	\$129,377
8/31/2015	\$143,894
9/30/2015	\$414,415
10/31/2015	\$188,401
11/30/2015	\$133,924
12/31/2015	\$423,991
1/31/2016	\$104,048
2/29/2016	\$79,448
3/31/2016	\$267,679
4/30/2016	\$60,033
5/31/2016	\$90,902
6/30/2016	\$242,784
7/31/2016	\$85,043
8/31/2016	\$149,893
9/30/2016	\$384,348
10/31/2016	\$198,088
11/30/2016	\$177,264
12/31/2016	\$403,420
1/31/2017	\$165,226
2/28/2017	\$194,041
3/31/2017	\$328,793
4/30/2017	\$174,266
5/31/2017	\$244,136
6/30/2017	\$365,114
7/31/2017	\$189,737
8/31/2017	\$204,126
9/30/2017	\$298,480
10/31/2017	\$164,445
11/30/2017	\$96,209
12/31/2017	\$288,134
1/31/2018	\$55,087
2/28/2018	\$30,873
3/31/2018	\$22,621
4/30/2018	\$13,720
5/31/2018	\$21,465
6/30/2018	\$88,810
7/31/2018	\$9,035
8/31/2018	\$380
9/30/2018	\$44,945
10/31/2018	\$4,805
11/30/2018	\$2,455
12/31/2018	\$39,648
1/31/2019	\$1,041
2/28/2019	\$3,405
3/31/2019	\$721
4/30/2019	\$5
5/31/2019	\$855
6/30/2019	\$43,607
7/31/2019	\$7,366

N. Percent of Securities with Greater Than 179 Days to Maturity

	Prime (Pre-Oct 2016)	Prime Institutional	Prime Retail	Muni (Pre-Oct 2016)	Muni Institutional	Muni Retail	Government	Treasury
7/31/2015	10.9%			8.0%			14.2%	14.3%
8/31/2015	9.6%			8.0%			14.6%	10.8%
9/30/2015	8.8%			8.1%			15.3%	12.3%
10/31/2015	8.6%			8.5%			16.0%	13.7%
11/30/2015	7.5%			8.3%			15.0%	11.5%
12/31/2015	5.2%			7.3%			14.4%	13.8%
1/31/2016	5.2%			4.5%			15.1%	16.6%
2/29/2016	4.7%			3.6%			15.4%	14.2%
3/31/2016	4.6%			3.7%			17.3%	14.6%
4/30/2016	4.5%			3.4%			17.7%	16.7%
5/31/2016	3.5%			3.3%			17.9%	14.3%
6/30/2016	3.6%			4.9%			19.1%	17.3%
7/31/2016	3.5%			5.5%			19.6%	17.8%
8/31/2016	3.0%			6.4%			18.6%	16.5%
9/30/2016	3.6%			6.0%		i i	17.2%	17.4%
10/31/2016		6.3%	6.2%		3.2%	6.0%	17.1%	18.6%
11/30/2016		5.7%	6.8%		3.9%	6.5%	17.5%	16.5%
12/31/2016	•	6.8%	6.9%		3.4%	6.0%	18.2%	18.0%
1/31/2017	•	7.2%	6.5%	•	1.7%	3.9%	19.0%	18.9%
2/28/2017	•	6.9%	7.1%		1.9%	3.4%	18.0%	17.2%
3/31/2017	•	9.2%	8.3%	•	1.6%	3.3%	17.9%	17.7%
4/30/2017	•	8.6%	7.7%	•	1.5%	2.9%	16.7%	17.7%
5/31/2017	•	9.0%	8.1%		1.0%	2.6%	16.3%	14.7%
6/30/2017	•	9.2%	8.3%	•	1.2%	3.6%	16.5%	15.8%
7/31/2017	•	10.2%	10.5%		1.1%	4.1%	15.7%	15.8%
8/31/2017	•	9.1%	11.5%	•	1.5%	5.6%	15.0%	13.3%
9/30/2017	•	9.1%	9.7%		1.7%	5.5%	13.8%	15.1%
10/31/2017	•	10.1%	9.1%	•	1.8%	5.3%	13.7%	15.1%
11/30/2017		10.1%	10.6%		2.4%	6.1%	15.6%	13.1%
12/31/2017	•	8.7%	8.3%	•	3.1%	5.8%	15.9%	13.1%
1/31/2017		8.3%	9.2%		2.0%	4.4%	16.6%	15.7%
2/28/2018	•			•				
	•	7.2%	10.1%		2.0%	4.1%	16.2%	12.8%
3/31/2018	•	6.9%	8.7%	•	0.9%	2.9%	15.8%	14.1%
4/30/2018		6.4% 6.5%	7.9% 5.4%		0.6% 0.5%	2.8% 3.0%	15.0% 14.1%	14.2% 13.8%
5/31/2018	•			•				
6/30/2018		7.4%	7.8%	•	0.4%	3.4%	15.3%	15.1%
7/31/2018	•	8.2%	6.5%	•	0.7%	4.0%	15.7%	15.6%
8/31/2018		9.2%	6.0%	•	0.6%	4.7%	15.5%	14.9%
9/30/2018	•	9.0%	7.2%	•	1.1%	6.6%	14.3%	14.6%
10/31/2018		8.1%	8.0%	•	2.0%	7.2%	15.2%	15.8%
11/30/2018	•	8.4%	8.3%	•	2.1%	7.1%	15.3%	14.3%
12/31/2018		7.9%	6.2%		1.9%	5.0%	15.5%	15.2%
1/31/2019		9.0%	6.3%	•	1.9%	5.0%	15.6%	16.9%
2/28/2019		8.1%	7.7%		1.9%	4.8%	15.3%	14.4%
3/31/2019		7.3%	7.8%		0.7%	2.9%	16.0%	15.2%
4/30/2019		8.2%	7.6%		0.8%	2.8%	16.6%	17.7%
5/31/2019		9.0%	6.0%		1.0%	3.1%	17.8%	14.7%
6/30/2019		8.6%	6.8%		0.9%	5.3%	18.0%	16.0%
7/31/2019		9.5%	8.4%		0.9%	6.1%	18.1%	17.8%

Appendix 2 - Key Definitions

Included by reference are all definitions included in the definitions section of Form N-MFP and definitions set forth in Rule 2a-7 (17 CFR 270.2a-7).¹

Bank-related securities For purposes of this report, includes certificates of deposit, time deposits,

sponsored ABCP, and repurchase agreements where the bank is the

counterparty.

Daily liquid assets Means:

(i) Cash;

(ii) Direct obligations of the U.S. Government;

(iii) Securities that will mature (as determined without reference to the exceptions in paragraph (i) of 29 CFR 270.2a-7 regarding interest rate

readjustments), or are subject to a demand feature that is exercisable and payable,

within one business day; or

(iv) Amounts receivable and due unconditionally within one business day on

pending sales of portfolio securities.

Form N-MFP Used by Money Market Funds to file reports with the Commission pursuant to

rule 30b1-7 under the Act (17 CFR 270.30b1-7). The form is available at

https://www.sec.gov/about/forms/formn-mfp.pdf.

Fund Category A category on Item A.10 of Form N-MFP. Form N-MFP requests filers to identify

each Fund from among the following categories: Treasury, Government Agency, Exempt Government, Prime, Single State and Other Tax Exempt, and further asks the filer to identify whether the Fund is an exempt Retail money market fund.

Government money market

fund

A money market fund that invests 99.5 percent or more of its total assets in

cash, government securities, and/or repurchase agreements that are

collateralized fully.

Institutional money market

fund

A Fund reported on Form N-MFP that is not identified as a Retail money market fund. Government and Treasury money market funds are not required to make

this distinction.

Money Market Fund (or Fund) A registered open-end management investment company, or series thereof, that

is regulated as a money market fund pursuant to rule 2a-7 (17 CFR 270.2a-7)

under the Investment Company Act of 1940.

¹ Form N-MFP is available at https://www.sec.gov/about/forms/formn-mfp.pdf. Rule 2-a7 (17 CFR 270.2a-7) is available at https://www.ecfr.gov/cgi-bin/text-idx?SID=e937839363fe49d2f475d202e9a94320&mc=true&node=se17.4.270 12a 67&rgn=div8.

Prime money market fund Any Fund reported on Form N-MFP as a Prime money market fund. Prime

money market funds generally hold a variety of taxable short-term obligations issued by corporations and banks, as well as repurchase agreements and asset-

backed commercial paper.²

Retail money market fund A money market fund that has policies and procedures reasonably designed to

limit all beneficial owners of the fund to natural persons. Government and

Treasury money market funds are not required to make this distinction.

Tax exempt fund A money market fund that holds itself out as distributing income exempt from

regular federal income tax.

Treasury money market fund A government money market fund that limits its holdings to only U.S. Treasury

obligations or repurchase agreements collateralized by U.S. Treasury securities.³

Weekly liquid assets Means:

(i) Cash;

(ii) Direct obligations of the U.S. Government;

(iii) Government securities that are issued by a person controlled or supervised by and acting as an instrumentality of the government of the United States pursuant to authority granted by the Congress of the United States that: (A) Are issued at a discount to the principal amount to be repaid at maturity without provision for the payment of interest; and (B) Have a remaining maturity date of

60 days or less.

(iv) Securities that will mature (as determined without reference to the exceptions in paragraph (i) of 29 CFR 270.2a-7 regarding interest rate readjustments), or are subject to a demand feature that is exercisable and

payable, within five business days; or

(v) Amounts receivable and due unconditionally within five business days on

pending sales of portfolio securities.

² See Money Market Fund Reform; Amendments to Form PF, Investment Company Act Release No. 31166 (July 23, 2014), available at https://www.sec.gov/rules/final/2014/33-9616.pdf.

³ *Id*.