

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security:			3-5/8% 30-Year TIPS	3-7/8% 30-Year TIPS	3-3/8% 30-1/2-Year TIPS	2-3/8% 20-1/2-Year TIPS
Description:			TIPS of April 2028	TIPS of April 2029	TIPS of April 2032	TIPS of January 2025
CUSIP Number:			912810FD5	912810FH6	912810FQ6	912810FR4
Dated Date:			April 15, 1998	April 15, 1999	October 15, 2001	July 15, 2004
Original Issue Date:			April 15, 1998	April 15, 1999	October 15, 2001	July 30, 2004
Additional Issue Date(s):			July 15, 1998	October 15, 1999 October 16, 2000		January 31, 2005 July 29, 2005
Maturity Date:			April 15, 2028	April 15, 2029	April 15, 2032	January 15, 2025
Ref CPI on Dated Date:			161.74000	164.39333	177.50000	188.49677
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.50736	1.48303	1.37353	1.29340	
June 2 2017	243.82510	1.50751	1.48318	1.37366	1.29352	
June 3 2017	243.84920	1.50766	1.48333	1.37380	1.29365	
June 4 2017	243.87330	1.50781	1.48347	1.37393	1.29378	
June 5 2017	243.89740	1.50796	1.48362	1.37407	1.29391	
June 6 2017	243.92150	1.50811	1.48377	1.37421	1.29404	
June 7 2017	243.94560	1.50826	1.48391	1.37434	1.29416	
June 8 2017	243.96970	1.50841	1.48406	1.37448	1.29429	
June 9 2017	243.99380	1.50856	1.48421	1.37461	1.29442	
June 10 2017	244.01790	1.50870	1.48435	1.37475	1.29455	
June 11 2017	244.04200	1.50885	1.48450	1.37488	1.29467	
June 12 2017	244.06610	1.50900	1.48465	1.37502	1.29480	
June 13 2017	244.09020	1.50915	1.48479	1.37516	1.29493	
June 14 2017	244.11430	1.50930	1.48494	1.37529	1.29506	
June 15 2017	244.13840	1.50945	1.48509	1.37543	1.29519	
June 16 2017	244.16250	1.50960	1.48523	1.37556	1.29531	
June 17 2017	244.18660	1.50975	1.48538	1.37570	1.29544	
June 18 2017	244.21070	1.50990	1.48553	1.37583	1.29557	
June 19 2017	244.23480	1.51005	1.48567	1.37597	1.29570	
June 20 2017	244.25890	1.51019	1.48582	1.37611	1.29583	
June 21 2017	244.28300	1.51034	1.48597	1.37624	1.29595	
June 22 2017	244.30710	1.51049	1.48611	1.37638	1.29608	
June 23 2017	244.33120	1.51064	1.48626	1.37651	1.29621	
June 24 2017	244.35530	1.51079	1.48641	1.37665	1.29634	
June 25 2017	244.37940	1.51094	1.48655	1.37679	1.29646	
June 26 2017	244.40350	1.51109	1.48670	1.37692	1.29659	
June 27 2017	244.42760	1.51124	1.48685	1.37706	1.29672	
June 28 2017	244.45170	1.51139	1.48699	1.37719	1.29685	
June 29 2017	244.47580	1.51154	1.48714	1.37733	1.29698	
June 30 2017	244.49990	1.51168	1.48729	1.37746	1.29710	
<b>CPI-U (NSA) for:</b>			<b>February 2017 243.603</b>	<b>March 2017 243.801</b>	<b>April 2017 244.524</b>	

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			2% 20-Year TIPS TIPS of January 2026 912810FS2 January 15, 2006 January 31, 2006 July 31, 2006	2-3/8% 20-Year TIPS TIPS of January 2027 912810PS1 January 15, 2007 January 31, 2007 July 31, 2007	2-5/8% 10-Year TIPS Series D-2017 912828GX2 July 15, 2007 July 16, 2007 October 15, 2007	1-5/8% 10-Year TIPS Series A-2018 912828HN3 January 15, 2008 January 15, 2008 April 15, 2008
Maturity Date: Ref CPI on Dated Date:			January 15, 2026 198.47742	January 15, 2027 201.66452	July 15, 2017 207.25639	January 15, 2018 209.49645
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.22836	1.20894	1.17633	1.16375	
June 2 2017	243.82510	1.22848	1.20906	1.17644	1.16386	
June 3 2017	243.84920	1.22860	1.20918	1.17656	1.16398	
June 4 2017	243.87330	1.22872	1.20930	1.17667	1.16409	
June 5 2017	243.89740	1.22884	1.20942	1.17679	1.16421	
June 6 2017	243.92150	1.22896	1.20954	1.17691	1.16432	
June 7 2017	243.94560	1.22908	1.20966	1.17702	1.16444	
June 8 2017	243.96970	1.22921	1.20978	1.17714	1.16455	
June 9 2017	243.99380	1.22933	1.20990	1.17726	1.16467	
June 10 2017	244.01790	1.22945	1.21002	1.17737	1.16478	
June 11 2017	244.04200	1.22957	1.21014	1.17749	1.16490	
June 12 2017	244.06610	1.22969	1.21026	1.17760	1.16501	
June 13 2017	244.09020	1.22981	1.21038	1.17772	1.16513	
June 14 2017	244.11430	1.22993	1.21050	1.17784	1.16524	
June 15 2017	244.13840	1.23006	1.21062	1.17795	1.16536	
June 16 2017	244.16250	1.23018	1.21074	1.17807	1.16547	
June 17 2017	244.18660	1.23030	1.21086	1.17819	1.16559	
June 18 2017	244.21070	1.23042	1.21098	1.17830	1.16570	
June 19 2017	244.23480	1.23054	1.21109	1.17842	1.16582	
June 20 2017	244.25890	1.23066	1.21121	1.17853	1.16593	
June 21 2017	244.28300	1.23078	1.21133	1.17865	1.16605	
June 22 2017	244.30710	1.23091	1.21145	1.17877	1.16616	
June 23 2017	244.33120	1.23103	1.21157	1.17888	1.16628	
June 24 2017	244.35530	1.23115	1.21169	1.17900	1.16639	
June 25 2017	244.37940	1.23127	1.21181	1.17912	1.16651	
June 26 2017	244.40350	1.23139	1.21193	1.17923	1.16662	
June 27 2017	244.42760	1.23151	1.21205	1.17935	1.16674	
June 28 2017	244.45170	1.23163	1.21217	1.17947	1.16685	
June 29 2017	244.47580	1.23176	1.21229	1.17958	1.16697	
June 30 2017	244.49990	1.23188	1.21241	1.17970	1.16708	
<b>CPI-U (NSA) for:</b>	<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008	1-3/8% 10-Year TIPS Series D-2018 912828JE1 July 15, 2008 July 15, 2008 October 15, 2008	2-1/8% 10-Year TIPS Series A-2019 912828JX9 January 15, 2009 January 15, 2009 April 15, 2009	2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009
Maturity Date: Ref CPI on Dated Date:			January 15, 2028 209.49645	July 15, 2018 215.63997	January 15, 2019 214.69971	January 15, 2029 214.69971
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.16375	1.13059	1.13554	1.13554	
June 2 2017	243.82510	1.16386	1.13070	1.13566	1.13566	
June 3 2017	243.84920	1.16398	1.13082	1.13577	1.13577	
June 4 2017	243.87330	1.16409	1.13093	1.13588	1.13588	
June 5 2017	243.89740	1.16421	1.13104	1.13599	1.13599	
June 6 2017	243.92150	1.16432	1.13115	1.13611	1.13611	
June 7 2017	243.94560	1.16444	1.13126	1.13622	1.13622	
June 8 2017	243.96970	1.16455	1.13138	1.13633	1.13633	
June 9 2017	243.99380	1.16467	1.13149	1.13644	1.13644	
June 10 2017	244.01790	1.16478	1.13160	1.13655	1.13655	
June 11 2017	244.04200	1.16490	1.13171	1.13667	1.13667	
June 12 2017	244.06610	1.16501	1.13182	1.13678	1.13678	
June 13 2017	244.09020	1.16513	1.13193	1.13689	1.13689	
June 14 2017	244.11430	1.16524	1.13205	1.13700	1.13700	
June 15 2017	244.13840	1.16536	1.13216	1.13712	1.13712	
June 16 2017	244.16250	1.16547	1.13227	1.13723	1.13723	
June 17 2017	244.18660	1.16559	1.13238	1.13734	1.13734	
June 18 2017	244.21070	1.16570	1.13249	1.13745	1.13745	
June 19 2017	244.23480	1.16582	1.13260	1.13756	1.13756	
June 20 2017	244.25890	1.16593	1.13272	1.13768	1.13768	
June 21 2017	244.28300	1.16605	1.13283	1.13779	1.13779	
June 22 2017	244.30710	1.16616	1.13294	1.13790	1.13790	
June 23 2017	244.33120	1.16628	1.13305	1.13801	1.13801	
June 24 2017	244.35530	1.16639	1.13316	1.13813	1.13813	
June 25 2017	244.37940	1.16651	1.13328	1.13824	1.13824	
June 26 2017	244.40350	1.16662	1.13339	1.13835	1.13835	
June 27 2017	244.42760	1.16674	1.13350	1.13846	1.13846	
June 28 2017	244.45170	1.16685	1.13361	1.13857	1.13857	
June 29 2017	244.47580	1.16697	1.13372	1.13869	1.13869	
June 30 2017	244.49990	1.16708	1.13383	1.13880	1.13880	
<b>CPI-U (NSA) for:</b>	<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June	1	2017	243.80100	1.14183	1.12742	1.12798	1.11792	
June	2	2017	243.82510	1.14194	1.12754	1.12809	1.11803	
June	3	2017	243.84920	1.14205	1.12765	1.12820	1.11814	
June	4	2017	243.87330	1.14217	1.12776	1.12831	1.11825	
June	5	2017	243.89740	1.14228	1.12787	1.12843	1.11836	
June	6	2017	243.92150	1.14239	1.12798	1.12854	1.11847	
June	7	2017	243.94560	1.14251	1.12809	1.12865	1.11858	
June	8	2017	243.96970	1.14262	1.12820	1.12876	1.11869	
June	9	2017	243.99380	1.14273	1.12832	1.12887	1.11880	
June	10	2017	244.01790	1.14284	1.12843	1.12898	1.11891	
June	11	2017	244.04200	1.14296	1.12854	1.12909	1.11902	
June	12	2017	244.06610	1.14307	1.12865	1.12921	1.11913	
June	13	2017	244.09020	1.14318	1.12876	1.12932	1.11924	
June	14	2017	244.11430	1.14330	1.12887	1.12943	1.11935	
June	15	2017	244.13840	1.14341	1.12898	1.12954	1.11946	
June	16	2017	244.16250	1.14352	1.12910	1.12965	1.11957	
June	17	2017	244.18660	1.14363	1.12921	1.12976	1.11968	
June	18	2017	244.21070	1.14375	1.12932	1.12988	1.11979	
June	19	2017	244.23480	1.14386	1.12943	1.12999	1.11990	
June	20	2017	244.25890	1.14397	1.12954	1.13010	1.12002	
June	21	2017	244.28300	1.14409	1.12965	1.13021	1.12013	
June	22	2017	244.30710	1.14420	1.12976	1.13032	1.12024	
June	23	2017	244.33120	1.14431	1.12988	1.13043	1.12035	
June	24	2017	244.35530	1.14442	1.12999	1.13054	1.12046	
June	25	2017	244.37940	1.14454	1.13010	1.13066	1.12057	
June	26	2017	244.40350	1.14465	1.13021	1.13077	1.12068	
June	27	2017	244.42760	1.14476	1.13032	1.13088	1.12079	
June	28	2017	244.45170	1.14488	1.13043	1.13099	1.12090	
June	29	2017	244.47580	1.14499	1.13054	1.13110	1.12101	
June	30	2017	244.49990	1.14510	1.13066	1.13121	1.12112	
<b>CPI-U (NSA) for:</b>			<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>

**Security:**  
**Description:**  
**CUSIP Number:**  
**Dated Date:**  
**Original Issue Date:**  
**Additional Issue Date(s):**

**Maturity Date:**  
**Ref CPI on Dated Date:**

**1-7/8% 10-Year TIPS**  
**Series D-2019**  
**912828LA6**  
**July 15, 2009**  
**July 15, 2009**  
**October 15, 2009**

**July 15, 2019**  
**213.51819**

**1-3/8% 10-Year TIPS**  
**Series A-2020**  
**912828MF4**  
**January 15, 2010**  
**January 15, 2010**  
**April 15, 2010**

**January 15, 2020**  
**216.24610**

**2-1/8% 30-Year TIPS**  
**TIPS of February 2040**  
**912810QF8**  
**February 15, 2010**  
**February 26, 2010**  
**August 31, 2010**

**February 15, 2040**  
**216.13950**

**1-1/4% 10-Year TIPS**  
**Series D-2020**  
**912828NM8**  
**July 15, 2010**  
**July 15, 2010**  
**September 15, 2010**  
**November 15, 2010**

**July 15, 2020**  
**218.08532**

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June	1	2017	243.80100	1.11451	1.11329	1.08171	1.07717	
June	2	2017	243.82510	1.11462	1.11340	1.08182	1.07728	
June	3	2017	243.84920	1.11473	1.11351	1.08193	1.07738	
June	4	2017	243.87330	1.11484	1.11362	1.08204	1.07749	
June	5	2017	243.89740	1.11495	1.11373	1.08214	1.07760	
June	6	2017	243.92150	1.11506	1.11384	1.08225	1.07770	
June	7	2017	243.94560	1.11517	1.11395	1.08236	1.07781	
June	8	2017	243.96970	1.11528	1.11406	1.08246	1.07792	
June	9	2017	243.99380	1.11539	1.11417	1.08257	1.07802	
June	10	2017	244.01790	1.11550	1.11428	1.08268	1.07813	
June	11	2017	244.04200	1.11561	1.11439	1.08278	1.07823	
June	12	2017	244.06610	1.11572	1.11450	1.08289	1.07834	
June	13	2017	244.09020	1.11583	1.11461	1.08300	1.07845	
June	14	2017	244.11430	1.11594	1.11472	1.08310	1.07855	
June	15	2017	244.13840	1.11605	1.11483	1.08321	1.07866	
June	16	2017	244.16250	1.11616	1.11494	1.08332	1.07877	
June	17	2017	244.18660	1.11627	1.11505	1.08343	1.07887	
June	18	2017	244.21070	1.11638	1.11516	1.08353	1.07898	
June	19	2017	244.23480	1.11649	1.11527	1.08364	1.07909	
June	20	2017	244.25890	1.11660	1.11538	1.08375	1.07919	
June	21	2017	244.28300	1.11671	1.11549	1.08385	1.07930	
June	22	2017	244.30710	1.11682	1.11560	1.08396	1.07941	
June	23	2017	244.33120	1.11693	1.11571	1.08407	1.07951	
June	24	2017	244.35530	1.11704	1.11582	1.08417	1.07962	
June	25	2017	244.37940	1.11715	1.11593	1.08428	1.07973	
June	26	2017	244.40350	1.11726	1.11604	1.08439	1.07983	
June	27	2017	244.42760	1.11737	1.11615	1.08449	1.07994	
June	28	2017	244.45170	1.11748	1.11626	1.08460	1.08004	
June	29	2017	244.47580	1.11759	1.11637	1.08471	1.08015	
June	30	2017	244.49990	1.11770	1.11648	1.08482	1.08026	
<b>CPI-U (NSA) for:</b>			<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>

**Security:**  
**Description:**  
**CUSIP Number:**  
**Dated Date:**  
**Original Issue Date:**  
**Additional Issue Date(s):**

**Maturity Date:**  
**Ref CPI on Dated Date:**

**1-1/8% 10-Year TIPS**  
**Series A-2021**  
**912828PP9**  
**January 15, 2011**  
**February 28, 2011**  
**March 31, 2011**  
**May 31, 2011**

**January 15, 2021**  
**218.75255**

**2-1/8% 30-Year TIPS**  
**TIPS of February 2041**  
**912810QP6**  
**February 15, 2011**  
**February 28, 2011**  
**June 30, 2011**  
**October 31, 2011**

**February 15, 2041**  
**218.99100**

**0-5/8% 10-Year TIPS**  
**Series D-2021**  
**912828QV5**  
**July 15, 2011**  
**July 29, 2011**  
**September 30, 2011**  
**November 30, 2011**

**July 15, 2021**  
**225.38381**

**0-1/8% 10-Year TIPS**  
**Series A-2022**  
**912828SA9**  
**January 15, 2012**  
**January 31, 2012**  
**March 30, 2012**  
**May 31, 2012**

**January 15, 2022**  
**226.33474**

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012	0-1/8% 10-Year TIPS Series D-2022 912828TE0 July 15, 2012 July 31, 2012 September 28, 2012 November 30, 2012	0-1/8% 10-Year TIPS Series A-2023 912828UH1 January 15, 2013 January 31, 2013 March 28, 2013 May 31, 2013	0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013
Maturity Date: Ref CPI on Dated Date:			February 15, 2042 225.96062	July 15, 2022 229.96306	January 15, 2023 230.82203	February 15, 2043 229.91100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.07895	1.06017	1.05623	1.06041	
June 2 2017	243.82510	1.07906	1.06028	1.05633	1.06052	
June 3 2017	243.84920	1.07917	1.06038	1.05644	1.06062	
June 4 2017	243.87330	1.07927	1.06049	1.05654	1.06073	
June 5 2017	243.89740	1.07938	1.06059	1.05665	1.06083	
June 6 2017	243.92150	1.07949	1.06070	1.05675	1.06094	
June 7 2017	243.94560	1.07959	1.06080	1.05686	1.06104	
June 8 2017	243.96970	1.07970	1.06091	1.05696	1.06115	
June 9 2017	243.99380	1.07981	1.06101	1.05706	1.06125	
June 10 2017	244.01790	1.07991	1.06112	1.05717	1.06136	
June 11 2017	244.04200	1.08002	1.06122	1.05727	1.06146	
June 12 2017	244.06610	1.08013	1.06133	1.05738	1.06157	
June 13 2017	244.09020	1.08023	1.06143	1.05748	1.06167	
June 14 2017	244.11430	1.08034	1.06154	1.05759	1.06178	
June 15 2017	244.13840	1.08045	1.06164	1.05769	1.06188	
June 16 2017	244.16250	1.08055	1.06175	1.05780	1.06199	
June 17 2017	244.18660	1.08066	1.06185	1.05790	1.06209	
June 18 2017	244.21070	1.08077	1.06196	1.05800	1.06220	
June 19 2017	244.23480	1.08087	1.06206	1.05811	1.06230	
June 20 2017	244.25890	1.08098	1.06217	1.05821	1.06241	
June 21 2017	244.28300	1.08109	1.06227	1.05832	1.06251	
June 22 2017	244.30710	1.08119	1.06238	1.05842	1.06262	
June 23 2017	244.33120	1.08130	1.06248	1.05853	1.06272	
June 24 2017	244.35530	1.08141	1.06259	1.05863	1.06283	
June 25 2017	244.37940	1.08151	1.06269	1.05874	1.06293	
June 26 2017	244.40350	1.08162	1.06279	1.05884	1.06304	
June 27 2017	244.42760	1.08173	1.06290	1.05894	1.06314	
June 28 2017	244.45170	1.08183	1.06300	1.05905	1.06324	
June 29 2017	244.47580	1.08194	1.06311	1.05915	1.06335	
June 30 2017	244.49990	1.08205	1.06321	1.05926	1.06345	
<b>CPI-U (NSA) for:</b>		<b>February 2017</b> 243.603	<b>March 2017</b> 243.801	<b>April 2017</b> 244.524		

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2018 912828UX6 April 15, 2013 April 30, 2013 August 30, 2013 December 31, 2013	0-3/8% 10-Year TIPS Series D-2023 912828VM9 July 15, 2013 July 31, 2013 September 30, 2013 November 29, 2013	0-5/8% 10-Year TIPS Series A-2024 912828B25 January 15, 2014 January 31, 2014 March 31, 2014 May 30, 2014	1-3/8% 30-Year TIPS TIPS of February 2044 912810RF7 February 15, 2014 February 28, 2014 June 30, 2014 October 31, 2014
Maturity Date: Ref CPI on Dated Date:			April 15, 2018 231.16013	July 15, 2023 232.71797	January 15, 2024 233.33058	February 15, 2044 233.05900
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.05468	1.04762	1.04487	1.04609	
June 2 2017	243.82510	1.05479	1.04773	1.04498	1.04619	
June 3 2017	243.84920	1.05489	1.04783	1.04508	1.04630	
June 4 2017	243.87330	1.05500	1.04793	1.04518	1.04640	
June 5 2017	243.89740	1.05510	1.04804	1.04529	1.04650	
June 6 2017	243.92150	1.05521	1.04814	1.04539	1.04661	
June 7 2017	243.94560	1.05531	1.04825	1.04549	1.04671	
June 8 2017	243.96970	1.05541	1.04835	1.04560	1.04682	
June 9 2017	243.99380	1.05552	1.04845	1.04570	1.04692	
June 10 2017	244.01790	1.05562	1.04856	1.04580	1.04702	
June 11 2017	244.04200	1.05573	1.04866	1.04591	1.04713	
June 12 2017	244.06610	1.05583	1.04876	1.04601	1.04723	
June 13 2017	244.09020	1.05594	1.04887	1.04611	1.04733	
June 14 2017	244.11430	1.05604	1.04897	1.04622	1.04744	
June 15 2017	244.13840	1.05614	1.04907	1.04632	1.04754	
June 16 2017	244.16250	1.05625	1.04918	1.04642	1.04764	
June 17 2017	244.18660	1.05635	1.04928	1.04653	1.04775	
June 18 2017	244.21070	1.05646	1.04938	1.04663	1.04785	
June 19 2017	244.23480	1.05656	1.04949	1.04673	1.04795	
June 20 2017	244.25890	1.05667	1.04959	1.04684	1.04806	
June 21 2017	244.28300	1.05677	1.04970	1.04694	1.04816	
June 22 2017	244.30710	1.05687	1.04980	1.04704	1.04826	
June 23 2017	244.33120	1.05698	1.04990	1.04715	1.04837	
June 24 2017	244.35530	1.05708	1.05001	1.04725	1.04847	
June 25 2017	244.37940	1.05719	1.05011	1.04735	1.04857	
June 26 2017	244.40350	1.05729	1.05021	1.04746	1.04868	
June 27 2017	244.42760	1.05740	1.05032	1.04756	1.04878	
June 28 2017	244.45170	1.05750	1.05042	1.04766	1.04888	
June 29 2017	244.47580	1.05760	1.05052	1.04777	1.04899	
June 30 2017	244.49990	1.05771	1.05063	1.04787	1.04909	
<b>CPI-U (NSA) for:</b>	<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2019 912828C99 April 15, 2014 April 30, 2014 August 29, 2014 December 31, 2014	0-1/8% 10-Year TIPS Series D-2024 912828WU0 July 15, 2014 July 31, 2014 September 30, 2014 November 28, 2014	0-1/4% 10-Year TIPS Series A-2025 912828H45 January 15, 2015 January 30, 2015 March 31, 2015 May 29, 2015	0-3/4% 30-Year TIPS TIPS of February 2045 912810RL4 February 15, 2015 February 27, 2015 June 30, 2015 October 30, 2015	
Maturity Date: Ref CPI on Dated Date:			April 15, 2019 234.31967	July 15, 2024 237.44594	January 15, 2025 236.85403	February 15, 2045 235.48150	
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio		
June 1 2017	243.80100	1.04046	1.02676	1.02933	1.03533		
June 2 2017	243.82510	1.04057	1.02687	1.02943	1.03543		
June 3 2017	243.84920	1.04067	1.02697	1.02953	1.03553		
June 4 2017	243.87330	1.04077	1.02707	1.02964	1.03564		
June 5 2017	243.89740	1.04087	1.02717	1.02974	1.03574		
June 6 2017	243.92150	1.04098	1.02727	1.02984	1.03584		
June 7 2017	243.94560	1.04108	1.02737	1.02994	1.03594		
June 8 2017	243.96970	1.04118	1.02747	1.03004	1.03605		
June 9 2017	243.99380	1.04129	1.02758	1.03014	1.03615		
June 10 2017	244.01790	1.04139	1.02768	1.03025	1.03625		
June 11 2017	244.04200	1.04149	1.02778	1.03035	1.03635		
June 12 2017	244.06610	1.04159	1.02788	1.03045	1.03646		
June 13 2017	244.09020	1.04170	1.02798	1.03055	1.03656		
June 14 2017	244.11430	1.04180	1.02808	1.03065	1.03666		
June 15 2017	244.13840	1.04190	1.02819	1.03075	1.03676		
June 16 2017	244.16250	1.04201	1.02829	1.03086	1.03686		
June 17 2017	244.18660	1.04211	1.02839	1.03096	1.03697		
June 18 2017	244.21070	1.04221	1.02849	1.03106	1.03707		
June 19 2017	244.23480	1.04231	1.02859	1.03116	1.03717		
June 20 2017	244.25890	1.04242	1.02869	1.03126	1.03727		
June 21 2017	244.28300	1.04252	1.02879	1.03137	1.03738		
June 22 2017	244.30710	1.04262	1.02890	1.03147	1.03748		
June 23 2017	244.33120	1.04273	1.02900	1.03157	1.03758		
June 24 2017	244.35530	1.04283	1.02910	1.03167	1.03768		
June 25 2017	244.37940	1.04293	1.02920	1.03177	1.03779		
June 26 2017	244.40350	1.04303	1.02930	1.03187	1.03789		
June 27 2017	244.42760	1.04314	1.02940	1.03198	1.03799		
June 28 2017	244.45170	1.04324	1.02950	1.03208	1.03809		
June 29 2017	244.47580	1.04334	1.02961	1.03218	1.03820		
June 30 2017	244.49990	1.04345	1.02971	1.03228	1.03830		
<b>CPI-U (NSA) for:</b>		<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>



**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2020 912828K33 April 15, 2015 August 30, 2015 August 31, 2015 December 31, 2015	0-3/8% 10-Year TIPS Series D-2025 912828XL9 July 15, 2015 July 31, 2015 September 30, 2015 November 30, 2015	0-5/8% 10-Year TIPS Series A-2026 912828N71 January 15, 2016 January 29, 2016 March 31, 2016 May 31, 2016	1% 30-Year TIPS TIPS of February 2046 912810RR1 February 15, 2016 February 29, 2016 June 30, 2016 October 31, 2016
Maturity Date: Ref CPI on Dated Date:			April 15, 2020 234.18067	July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.04108	1.02807	1.02605	1.02894	
June 2 2017	243.82510	1.04118	1.02817	1.02615	1.02904	
June 3 2017	243.84920	1.04129	1.02828	1.02625	1.02914	
June 4 2017	243.87330	1.04139	1.02838	1.02635	1.02924	
June 5 2017	243.89740	1.04149	1.02848	1.02646	1.02934	
June 6 2017	243.92150	1.04160	1.02858	1.02656	1.02945	
June 7 2017	243.94560	1.04170	1.02868	1.02666	1.02955	
June 8 2017	243.96970	1.04180	1.02878	1.02676	1.02965	
June 9 2017	243.99380	1.04190	1.02889	1.02686	1.02975	
June 10 2017	244.01790	1.04201	1.02899	1.02696	1.02985	
June 11 2017	244.04200	1.04211	1.02909	1.02706	1.02995	
June 12 2017	244.06610	1.04221	1.02919	1.02717	1.03006	
June 13 2017	244.09020	1.04232	1.02929	1.02727	1.03016	
June 14 2017	244.11430	1.04242	1.02939	1.02737	1.03026	
June 15 2017	244.13840	1.04252	1.02950	1.02747	1.03036	
June 16 2017	244.16250	1.04262	1.02960	1.02757	1.03046	
June 17 2017	244.18660	1.04273	1.02970	1.02767	1.03056	
June 18 2017	244.21070	1.04283	1.02980	1.02777	1.03067	
June 19 2017	244.23480	1.04293	1.02990	1.02788	1.03077	
June 20 2017	244.25890	1.04304	1.03000	1.02798	1.03087	
June 21 2017	244.28300	1.04314	1.03011	1.02808	1.03097	
June 22 2017	244.30710	1.04324	1.03021	1.02818	1.03107	
June 23 2017	244.33120	1.04334	1.03031	1.02828	1.03117	
June 24 2017	244.35530	1.04345	1.03041	1.02838	1.03128	
June 25 2017	244.37940	1.04355	1.03051	1.02848	1.03138	
June 26 2017	244.40350	1.04365	1.03061	1.02859	1.03148	
June 27 2017	244.42760	1.04376	1.03072	1.02869	1.03158	
June 28 2017	244.45170	1.04386	1.03082	1.02879	1.03168	
June 29 2017	244.47580	1.04396	1.03092	1.02889	1.03179	
June 30 2017	244.49990	1.04407	1.03102	1.02899	1.03189	
<b>CPI-U (NSA) for:</b>	<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2021 912828Q60 April 15, 2016 April 29, 2016 August 31, 2016 December 30, 2016	0-1/8% 10-Year TIPS Series D-2026 912828S50 July 15, 2016 July 29, 2016 September 30, 2016 November 30, 2016	0-3/8% 10-Year TIPS Series A-2027 912828V49 January 15, 2017 January 31, 2017 March 31, 2017 May 31, 2017	0-7/8% 30-Year TIPS TIPS of February 2047 912810RW0 February 15, 2017 February 28, 2017
Maturity Date: Ref CPI on Dated Date:			April 15, 2021 237.00700	July 15, 2026 239.70132	January 15, 2027 241.55919	February 15, 2047 241.39250
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
June 1 2017	243.80100	1.02867	1.01710	1.00928	1.00998	
June 2 2017	243.82510	1.02877	1.01720	1.00938	1.01008	
June 3 2017	243.84920	1.02887	1.01730	1.00948	1.01018	
June 4 2017	243.87330	1.02897	1.01740	1.00958	1.01028	
June 5 2017	243.89740	1.02907	1.01751	1.00968	1.01038	
June 6 2017	243.92150	1.02917	1.01761	1.00978	1.01048	
June 7 2017	243.94560	1.02928	1.01771	1.00988	1.01058	
June 8 2017	243.96970	1.02938	1.01781	1.00998	1.01068	
June 9 2017	243.99380	1.02948	1.01791	1.01008	1.01078	
June 10 2017	244.01790	1.02958	1.01801	1.01018	1.01088	
June 11 2017	244.04200	1.02968	1.01811	1.01028	1.01098	
June 12 2017	244.06610	1.02978	1.01821	1.01038	1.01108	
June 13 2017	244.09020	1.02989	1.01831	1.01048	1.01118	
June 14 2017	244.11430	1.02999	1.01841	1.01058	1.01128	
June 15 2017	244.13840	1.03009	1.01851	1.01068	1.01138	
June 16 2017	244.16250	1.03019	1.01861	1.01078	1.01148	
June 17 2017	244.18660	1.03029	1.01871	1.01088	1.01157	
June 18 2017	244.21070	1.03039	1.01881	1.01098	1.01167	
June 19 2017	244.23480	1.03050	1.01891	1.01108	1.01177	
June 20 2017	244.25890	1.03060	1.01901	1.01118	1.01187	
June 21 2017	244.28300	1.03070	1.01911	1.01128	1.01197	
June 22 2017	244.30710	1.03080	1.01921	1.01138	1.01207	
June 23 2017	244.33120	1.03090	1.01932	1.01148	1.01217	
June 24 2017	244.35530	1.03100	1.01942	1.01158	1.01227	
June 25 2017	244.37940	1.03111	1.01952	1.01168	1.01237	
June 26 2017	244.40350	1.03121	1.01962	1.01177	1.01247	
June 27 2017	244.42760	1.03131	1.01972	1.01187	1.01257	
June 28 2017	244.45170	1.03141	1.01982	1.01197	1.01267	
June 29 2017	244.47580	1.03151	1.01992	1.01207	1.01277	
June 30 2017	244.49990	1.03161	1.02002	1.01217	1.01287	
<b>CPI-U (NSA) for:</b>			<b>February 2017 243.603</b>	<b>March 2017 243.801</b>	<b>April 2017 244.524</b>	

**TREASURY INFLATION-PROTECTED SECURITIES (TIPS)**  
**Ref CPI and Index Ratios for**  
**June 2017**

<b>Security:</b> <b>Description:</b> <b>CUSIP Number:</b> <b>Dated Date:</b> <b>Original Issue Date:</b> <b>Additional Issue Date(s):</b>  <b>Maturity Date:</b> <b>Ref CPI on Dated Date:</b>			<b>0-1/8% 5-Year TIPS</b> <b>Series X-2022</b> <b>912828X39</b> <b>April 15, 2017</b> <b>April 28, 2017</b>  <b>April 15, 2022</b> <b>243.19553</b>					
<b>Date</b>			<b>Ref CPI</b>		<b>Index Ratio</b>			
June	1	2017	243.80100		1.00249			
June	2	2017	243.82510		1.00259			
June	3	2017	243.84920		1.00269			
June	4	2017	243.87330		1.00279			
June	5	2017	243.89740		1.00289			
June	6	2017	243.92150		1.00299			
June	7	2017	243.94560		1.00308			
June	8	2017	243.96970		1.00318			
June	9	2017	243.99380		1.00328			
June	10	2017	244.01790		1.00338			
June	11	2017	244.04200		1.00348			
June	12	2017	244.06610		1.00358			
June	13	2017	244.09020		1.00368			
June	14	2017	244.11430		1.00378			
June	15	2017	244.13840		1.00388			
June	16	2017	244.16250		1.00398			
June	17	2017	244.18660		1.00408			
June	18	2017	244.21070		1.00417			
June	19	2017	244.23480		1.00427			
June	20	2017	244.25890		1.00437			
June	21	2017	244.28300		1.00447			
June	22	2017	244.30710		1.00457			
June	23	2017	244.33120		1.00467			
June	24	2017	244.35530		1.00477			
June	25	2017	244.37940		1.00487			
June	26	2017	244.40350		1.00497			
June	27	2017	244.42760		1.00507			
June	28	2017	244.45170		1.00517			
June	29	2017	244.47580		1.00526			
June	30	2017	244.49990		1.00536			
<b>CPI-U (NSA) for:</b>			<b>February 2017</b>	<b>243.603</b>	<b>March 2017</b>	<b>243.801</b>	<b>April 2017</b>	<b>244.524</b>