

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
July 2025

Security:				3-5/8% 30-Year TIPS	3-7/8% 30-Year TIPS	3-3/8% 30-1/2-Year TIPS	2% 20-Year TIPS	
Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				TIPS of April 2028 912810FD5 April 15, 1998 April 15, 1998 July 15, 1998	TIPS of April 2029 912810FH6 April 15, 1999 April 15, 1999 October 15, 1999 October 16, 2000	TIPS of April 2032 912810FQ6 October 15, 2001 October 15, 2001	TIPS of January 2026 912810FS2 January 15, 2006 January 31, 2006 July 31, 2006	
Maturity Date: Ref CPI on Dated Date:				April 15, 2028 161.74000	April 15, 2029 164.39333	April 15, 2032 177.50000	January 15, 2026 198.47742	
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio
July	1	2025	320.79500	1.98340	1.95139	1.80730	1.61628	
July	2	2025	320.81661	1.98353	1.95152	1.80742	1.61639	
July	3	2025	320.83823	1.98367	1.95165	1.80754	1.61650	
July	4	2025	320.85984	1.98380	1.95178	1.80766	1.61661	
July	5	2025	320.88145	1.98393	1.95191	1.80778	1.61672	
July	6	2025	320.90306	1.98407	1.95204	1.80790	1.61682	
July	7	2025	320.92468	1.98420	1.95218	1.80803	1.61693	
July	8	2025	320.94629	1.98433	1.95231	1.80815	1.61704	
July	9	2025	320.96790	1.98447	1.95244	1.80827	1.61715	
July	10	2025	320.98952	1.98460	1.95257	1.80839	1.61726	
July	11	2025	321.01113	1.98474	1.95270	1.80851	1.61737	
July	12	2025	321.03274	1.98487	1.95283	1.80864	1.61748	
July	13	2025	321.05435	1.98500	1.95296	1.80876	1.61759	
July	14	2025	321.07597	1.98514	1.95310	1.80888	1.61770	
July	15	2025	321.09758	1.98527	1.95323	1.80900	1.61780	
July	16	2025	321.11919	1.98540	1.95336	1.80912	1.61791	
July	17	2025	321.14081	1.98554	1.95349	1.80924	1.61802	
July	18	2025	321.16242	1.98567	1.95362	1.80937	1.61813	
July	19	2025	321.18403	1.98580	1.95375	1.80949	1.61824	
July	20	2025	321.20565	1.98594	1.95388	1.80961	1.61835	
July	21	2025	321.22726	1.98607	1.95402	1.80973	1.61846	
July	22	2025	321.24887	1.98621	1.95415	1.80985	1.61857	
July	23	2025	321.27048	1.98634	1.95428	1.80997	1.61868	
July	24	2025	321.29210	1.98647	1.95441	1.81010	1.61878	
July	25	2025	321.31371	1.98661	1.95454	1.81022	1.61889	
July	26	2025	321.33532	1.98674	1.95467	1.81034	1.61900	
July	27	2025	321.35694	1.98687	1.95481	1.81046	1.61911	
July	28	2025	321.37855	1.98701	1.95494	1.81058	1.61922	
July	29	2025	321.40016	1.98714	1.95507	1.81071	1.61933	
July	30	2025	321.42177	1.98727	1.95520	1.81083	1.61944	
July	31	2025	321.44339	1.98741	1.95533	1.81095	1.61955	
CPI-U (NSA) for:				March 2025 319.799	April 2025 320.795	May 2025 321.465		

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): Maturity Date: Ref CPI on Dated Date:				2-3/8% 20-Year TIPS TIPS of January 2027 912810PS1 January 15, 2007 January 31, 2007 July 31, 2007 January 15, 2027 201.66452		1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008 January 15, 2028 209.49645		2-1/2% 20-Year TIPS TIPS of January 2029 912810PZ5 January 15, 2009 January 30, 2009 July 31, 2009 January 15, 2029 214.69971		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	
Date				Ref CPI	Index Ratio		Index Ratio		Index Ratio		Index Ratio
July	1	2025	320.79500	1.59074		1.53127		1.49416		1.48420	
July	2	2025	320.81661	1.59084		1.53137		1.49426		1.48430	
July	3	2025	320.83823	1.59095		1.53147		1.49436		1.48440	
July	4	2025	320.85984	1.59106		1.53158		1.49446		1.48450	
July	5	2025	320.88145	1.59116		1.53168		1.49456		1.48460	
July	6	2025	320.90306	1.59127		1.53178		1.49466		1.48470	
July	7	2025	320.92468	1.59138		1.53189		1.49476		1.48480	
July	8	2025	320.94629	1.59149		1.53199		1.49486		1.48490	
July	9	2025	320.96790	1.59159		1.53209		1.49496		1.48500	
July	10	2025	320.98952	1.59170		1.53220		1.49506		1.48510	
July	11	2025	321.01113	1.59181		1.53230		1.49516		1.48520	
July	12	2025	321.03274	1.59191		1.53240		1.49526		1.48530	
July	13	2025	321.05435	1.59202		1.53250		1.49536		1.48540	
July	14	2025	321.07597	1.59213		1.53261		1.49547		1.48550	
July	15	2025	321.09758	1.59224		1.53271		1.49557		1.48560	
July	16	2025	321.11919	1.59234		1.53281		1.49567		1.48570	
July	17	2025	321.14081	1.59245		1.53292		1.49577		1.48580	
July	18	2025	321.16242	1.59256		1.53302		1.49587		1.48590	
July	19	2025	321.18403	1.59267		1.53312		1.49597		1.48600	
July	20	2025	321.20565	1.59277		1.53323		1.49607		1.48610	
July	21	2025	321.22726	1.59288		1.53333		1.49617		1.48620	
July	22	2025	321.24887	1.59299		1.53343		1.49627		1.48630	
July	23	2025	321.27048	1.59309		1.53354		1.49637		1.48640	
July	24	2025	321.29210	1.59320		1.53364		1.49647		1.48650	
July	25	2025	321.31371	1.59331		1.53374		1.49657		1.48660	
July	26	2025	321.33532	1.59342		1.53385		1.49667		1.48670	
July	27	2025	321.35694	1.59352		1.53395		1.49677		1.48680	
July	28	2025	321.37855	1.59363		1.53405		1.49687		1.48690	
July	29	2025	321.40016	1.59374		1.53416		1.49698		1.48700	
July	30	2025	321.42177	1.59384		1.53426		1.49708		1.48710	
July	31	2025	321.44339	1.59395		1.53436		1.49718		1.48720	
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465		

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				2-1/8% 30-Year TIPS TIPS of February 2041 912810QP6 February 15, 2011 February 28, 2011 June 30, 2011 October 31, 2011	0-3/4% 30-Year TIPS TIPS of February 2042 912810QV3 February 15, 2012 February 29, 2012 June 29, 2012 October 31, 2012	0-5/8% 30-Year TIPS TIPS of February 2043 912810RA8 February 15, 2013 February 28, 2013 June 28, 2013 October 31, 2013	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:				February 15, 2041 218.99100	February 15, 2042 225.96062	February 15, 2043 229.91100	February 15, 2044 233.05900
Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio
July	1	2025	320.79500	1.46488	1.41969	1.39530	1.37645
July	2	2025	320.81661	1.46498	1.41979	1.39539	1.37655
July	3	2025	320.83823	1.46507	1.41989	1.39549	1.37664
July	4	2025	320.85984	1.46517	1.41998	1.39558	1.37673
July	5	2025	320.88145	1.46527	1.42008	1.39568	1.37682
July	6	2025	320.90306	1.46537	1.42017	1.39577	1.37692
July	7	2025	320.92468	1.46547	1.42027	1.39586	1.37701
July	8	2025	320.94629	1.46557	1.42036	1.39596	1.37710
July	9	2025	320.96790	1.46567	1.42046	1.39605	1.37720
July	10	2025	320.98952	1.46577	1.42056	1.39615	1.37729
July	11	2025	321.01113	1.46586	1.42065	1.39624	1.37738
July	12	2025	321.03274	1.46596	1.42075	1.39633	1.37747
July	13	2025	321.05435	1.46606	1.42084	1.39643	1.37757
July	14	2025	321.07597	1.46616	1.42094	1.39652	1.37766
July	15	2025	321.09758	1.46626	1.42103	1.39662	1.37775
July	16	2025	321.11919	1.46636	1.42113	1.39671	1.37785
July	17	2025	321.14081	1.46646	1.42122	1.39680	1.37794
July	18	2025	321.16242	1.46656	1.42132	1.39690	1.37803
July	19	2025	321.18403	1.46665	1.42142	1.39699	1.37812
July	20	2025	321.20565	1.46675	1.42151	1.39709	1.37822
July	21	2025	321.22726	1.46685	1.42161	1.39718	1.37831
July	22	2025	321.24887	1.46695	1.42170	1.39727	1.37840
July	23	2025	321.27048	1.46705	1.42180	1.39737	1.37849
July	24	2025	321.29210	1.46715	1.42189	1.39746	1.37859
July	25	2025	321.31371	1.46725	1.42199	1.39756	1.37868
July	26	2025	321.33532	1.46734	1.42209	1.39765	1.37877
July	27	2025	321.35694	1.46744	1.42218	1.39774	1.37887
July	28	2025	321.37855	1.46754	1.42228	1.39784	1.37896
July	29	2025	321.40016	1.46764	1.42237	1.39793	1.37905
July	30	2025	321.42177	1.46774	1.42247	1.39803	1.37914
July	31	2025	321.44339	1.46784	1.42256	1.39812	1.37924
CPI-U (NSA) for:			March 2025 319.799	April 2025 320.795	May 2025 321.465		

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				0-3/4% 30-Year TIPS TIPS of February 2045 912810RL4 February 15, 2015 February 27, 2015 June 30, 2015 October 30, 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:				February 15, 2045 235.48150	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	
July	1	2025	320.79500	1.36229	1.35275	1.35008	1.35388		
July	2	2025	320.81661	1.36239	1.35284	1.35017	1.35397		
July	3	2025	320.83823	1.36248	1.35293	1.35027	1.35407		
July	4	2025	320.85984	1.36257	1.35302	1.35036	1.35416		
July	5	2025	320.88145	1.36266	1.35311	1.35045	1.35425		
July	6	2025	320.90306	1.36275	1.35320	1.35054	1.35434		
July	7	2025	320.92468	1.36284	1.35329	1.35063	1.35443		
July	8	2025	320.94629	1.36294	1.35338	1.35072	1.35452		
July	9	2025	320.96790	1.36303	1.35347	1.35081	1.35461		
July	10	2025	320.98952	1.36312	1.35357	1.35090	1.35470		
July	11	2025	321.01113	1.36321	1.35366	1.35099	1.35479		
July	12	2025	321.03274	1.36330	1.35375	1.35108	1.35489		
July	13	2025	321.05435	1.36340	1.35384	1.35117	1.35498		
July	14	2025	321.07597	1.36349	1.35393	1.35127	1.35507		
July	15	2025	321.09758	1.36358	1.35402	1.35136	1.35516		
July	16	2025	321.11919	1.36367		1.35145	1.35525		
July	17	2025	321.14081	1.36376		1.35154	1.35534		
July	18	2025	321.16242	1.36385		1.35163	1.35543		
July	19	2025	321.18403	1.36395		1.35172	1.35552		
July	20	2025	321.20565	1.36404		1.35181	1.35562		
July	21	2025	321.22726	1.36413		1.35190	1.35571		
July	22	2025	321.24887	1.36422		1.35199	1.35580		
July	23	2025	321.27048	1.36431		1.35208	1.35589		
July	24	2025	321.29210	1.36440		1.35218	1.35598		
July	25	2025	321.31371	1.36450		1.35227	1.35607		
July	26	2025	321.33532	1.36459		1.35236	1.35616		
July	27	2025	321.35694	1.36468		1.35245	1.35625		
July	28	2025	321.37855	1.36477		1.35254	1.35635		
July	29	2025	321.40016	1.36486		1.35263	1.35644		
July	30	2025	321.42177	1.36496		1.35272	1.35653		
July	31	2025	321.44339	1.36505		1.35281	1.35662		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				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 June 30, 2017 October 31, 2017	0-3/8% 10-Year TIPS Series D-2027 912828L3 July 15, 2017 July 31, 2017 September 29, 2017 November 30, 2017		
Maturity Date: Ref CPI on Dated Date:				July 15, 2026 239.70132	January 15, 2027 241.55919	February 15, 2047 241.39250	July 15, 2027 244.61839		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.33831	1.32802	1.32894	1.31141		
July	2	2025	320.81661	1.33840	1.32811	1.32902	1.31150		
July	3	2025	320.83823	1.33849	1.32820	1.32911	1.31159		
July	4	2025	320.85984	1.33858	1.32829	1.32920	1.31168		
July	5	2025	320.88145	1.33867	1.32838	1.32929	1.31176		
July	6	2025	320.90306	1.33876	1.32847	1.32938	1.31185		
July	7	2025	320.92468	1.33885	1.32856	1.32947	1.31194		
July	8	2025	320.94629	1.33894	1.32864	1.32956	1.31203		
July	9	2025	320.96790	1.33903	1.32873	1.32965	1.31212		
July	10	2025	320.98952	1.33912	1.32882	1.32974	1.31221		
July	11	2025	321.01113	1.33921	1.32891	1.32983	1.31229		
July	12	2025	321.03274	1.33930	1.32900	1.32992	1.31238		
July	13	2025	321.05435	1.33939	1.32909	1.33001	1.31247		
July	14	2025	321.07597	1.33948	1.32918	1.33010	1.31256		
July	15	2025	321.09758	1.33957	1.32927	1.33019	1.31265		
July	16	2025	321.11919	1.33966	1.32936	1.33028	1.31274		
July	17	2025	321.14081	1.33975	1.32945	1.33037	1.31282		
July	18	2025	321.16242	1.33984	1.32954	1.33046	1.31291		
July	19	2025	321.18403	1.33993	1.32963	1.33055	1.31300		
July	20	2025	321.20565	1.34002	1.32972	1.33064	1.31309		
July	21	2025	321.22726	1.34011	1.32981	1.33073	1.31318		
July	22	2025	321.24887	1.34020	1.32990	1.33082	1.31327		
July	23	2025	321.27048	1.34029	1.32999	1.33090	1.31335		
July	24	2025	321.29210	1.34039	1.33008	1.33099	1.31344		
July	25	2025	321.31371	1.34048	1.33017	1.33108	1.31353		
July	26	2025	321.33532	1.34057	1.33025	1.33117	1.31362		
July	27	2025	321.35694	1.34066	1.33034	1.33126	1.31371		
July	28	2025	321.37855	1.34075	1.33043	1.33135	1.31380		
July	29	2025	321.40016	1.34084	1.33052	1.33144	1.31388		
July	30	2025	321.42177	1.34093	1.33061	1.33153	1.31397		
July	31	2025	321.44339	1.34102	1.33070	1.33162	1.31406		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				0-1/2% 10-Year TIPS Series A-2028 9128283R9 January 15, 2018 January 31, 2018 March 29, 2018 May 31, 2018	1% 30-Year TIPS TIPS of February 2048 912810SB5 February 15, 2018 February 28, 2018 June 29, 2018 October 31, 2018	0-3/4% 10-Year TIPS Series D-2028 912828Y38 July 15, 2018 July 31, 2018 September 28, 2018 November 30, 2018	0-7/8% 10-Year TIPS Series A-2029 9128285W6 January 15, 2019 January 31, 2019 March 29, 2019 May 31, 2019		
Maturity Date: Ref CPI on Dated Date:				January 15, 2028 246.66571	February 15, 2048 246.59650	July 15, 2028 251.01658	January 15, 2029 252.50248		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.30053	1.30089	1.27798	1.27046		
July	2	2025	320.81661	1.30061	1.30098	1.27807	1.27055		
July	3	2025	320.83823	1.30070	1.30107	1.27816	1.27063		
July	4	2025	320.85984	1.30079	1.30115	1.27824	1.27072		
July	5	2025	320.88145	1.30088	1.30124	1.27833	1.27081		
July	6	2025	320.90306	1.30096	1.30133	1.27841	1.27089		
July	7	2025	320.92468	1.30105	1.30142	1.27850	1.27098		
July	8	2025	320.94629	1.30114	1.30150	1.27859	1.27106		
July	9	2025	320.96790	1.30123	1.30159	1.27867	1.27115		
July	10	2025	320.98952	1.30131	1.30168	1.27876	1.27123		
July	11	2025	321.01113	1.30140	1.30177	1.27884	1.27132		
July	12	2025	321.03274	1.30149	1.30185	1.27893	1.27140		
July	13	2025	321.05435	1.30158	1.30194	1.27902	1.27149		
July	14	2025	321.07597	1.30166	1.30203	1.27910	1.27158		
July	15	2025	321.09758	1.30175	1.30212	1.27919	1.27166		
July	16	2025	321.11919	1.30184	1.30220	1.27927	1.27175		
July	17	2025	321.14081	1.30193	1.30229	1.27936	1.27183		
July	18	2025	321.16242	1.30201	1.30238	1.27945	1.27192		
July	19	2025	321.18403	1.30210	1.30247	1.27953	1.27200		
July	20	2025	321.20565	1.30219	1.30256	1.27962	1.27209		
July	21	2025	321.22726	1.30228	1.30264	1.27971	1.27217		
July	22	2025	321.24887	1.30237	1.30273	1.27979	1.27226		
July	23	2025	321.27048	1.30245	1.30282	1.27988	1.27235		
July	24	2025	321.29210	1.30254	1.30291	1.27996	1.27243		
July	25	2025	321.31371	1.30263	1.30299	1.28005	1.27252		
July	26	2025	321.33532	1.30272	1.30308	1.28014	1.27260		
July	27	2025	321.35694	1.30280	1.30317	1.28022	1.27269		
July	28	2025	321.37855	1.30289	1.30326	1.28031	1.27277		
July	29	2025	321.40016	1.30298	1.30334	1.28039	1.27286		
July	30	2025	321.42177	1.30307	1.30343	1.28048	1.27295		
July	31	2025	321.44339	1.30315	1.30352	1.28057	1.27303		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				1% 30-Year TIPS TIPS of February 2049 912810SG4 February 15, 2019 February 28, 2019 August 30, 2019	0-1/4% 10-Year TIPS Series D-2029 9128287D6 July 15, 2019 July 31, 2019 September 30, 2019 November 29, 2019	0-1/8% 10-Year TIPS Series A-2030 912828Z37 January 15, 2020 January 31, 2020 March 31, 2020 May 29, 2020	0-1/4% 30-Year TIPS TIPS of February 2050 912810SM1 February 15, 2020 February 28, 2020 August 31, 2020		
Maturity Date: Ref CPI on Dated Date:				February 15, 2049 251.63550	July 15, 2029 255.79368	January 15, 2030 257.28368	February 15, 2050 257.09503		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.27484	1.25412	1.24685	1.24777		
July	2	2025	320.81661	1.27493	1.25420	1.24694	1.24785		
July	3	2025	320.83823	1.27501	1.25429	1.24702	1.24794		
July	4	2025	320.85984	1.27510	1.25437	1.24711	1.24802		
July	5	2025	320.88145	1.27518	1.25445	1.24719	1.24810		
July	6	2025	320.90306	1.27527	1.25454	1.24727	1.24819		
July	7	2025	320.92468	1.27536	1.25462	1.24736	1.24827		
July	8	2025	320.94629	1.27544	1.25471	1.24744	1.24836		
July	9	2025	320.96790	1.27553	1.25479	1.24753	1.24844		
July	10	2025	320.98952	1.27561	1.25488	1.24761	1.24852		
July	11	2025	321.01113	1.27570	1.25496	1.24769	1.24861		
July	12	2025	321.03274	1.27578	1.25505	1.24778	1.24869		
July	13	2025	321.05435	1.27587	1.25513	1.24786	1.24878		
July	14	2025	321.07597	1.27596	1.25521	1.24795	1.24886		
July	15	2025	321.09758	1.27604	1.25530	1.24803	1.24895		
July	16	2025	321.11919	1.27613	1.25538	1.24811	1.24903		
July	17	2025	321.14081	1.27621	1.25547	1.24820	1.24911		
July	18	2025	321.16242	1.27630	1.25555	1.24828	1.24920		
July	19	2025	321.18403	1.27639	1.25564	1.24837	1.24928		
July	20	2025	321.20565	1.27647	1.25572	1.24845	1.24937		
July	21	2025	321.22726	1.27656	1.25581	1.24853	1.24945		
July	22	2025	321.24887	1.27664	1.25589	1.24862	1.24953		
July	23	2025	321.27048	1.27673	1.25598	1.24870	1.24962		
July	24	2025	321.29210	1.27682	1.25606	1.24879	1.24970		
July	25	2025	321.31371	1.27690	1.25614	1.24887	1.24979		
July	26	2025	321.33532	1.27699	1.25623	1.24895	1.24987		
July	27	2025	321.35694	1.27707	1.25631	1.24904	1.24995		
July	28	2025	321.37855	1.27716	1.25640	1.24912	1.25004		
July	29	2025	321.40016	1.27724	1.25648	1.24921	1.25012		
July	30	2025	321.42177	1.27733	1.25657	1.24929	1.25021		
July	31	2025	321.44339	1.27742	1.25665	1.24937	1.25029		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				0-1/8% 10-Year TIPS Series D-2030 912828ZZ6 July 15, 2020 July 31, 2020 September 30, 2020 November 30, 2020	0-1/8% 5-Year TIPS Series AE-2025 91282CAQ4 October 15, 2020 October 30, 2020 December 31, 2020	0-1/8% 10-Year TIPS Series A-2031 91282CBF7 January 15, 2021 January 29, 2021 March 31, 2021 May 28, 2021	0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 2021 August 31, 2021		
Maturity Date: Ref CPI on Dated Date:				July 15, 2030 256.39126	October 15, 2025 259.46997	January 15, 2031 260.31619	February 15, 2051 260.35150		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.25119	1.23635	1.23233	1.23216		
July	2	2025	320.81661	1.25128	1.23643	1.23241	1.23224		
July	3	2025	320.83823	1.25136	1.23651	1.23249	1.23233		
July	4	2025	320.85984	1.25145	1.23660	1.23258	1.23241		
July	5	2025	320.88145	1.25153	1.23668	1.23266	1.23249		
July	6	2025	320.90306	1.25161	1.23676	1.23274	1.23258		
July	7	2025	320.92468	1.25170	1.23685	1.23283	1.23266		
July	8	2025	320.94629	1.25178	1.23693	1.23291	1.23274		
July	9	2025	320.96790	1.25187	1.23701	1.23299	1.23283		
July	10	2025	320.98952	1.25195	1.23710	1.23308	1.23291		
July	11	2025	321.01113	1.25204	1.23718	1.23316	1.23299		
July	12	2025	321.03274	1.25212	1.23726	1.23324	1.23307		
July	13	2025	321.05435	1.25220	1.23735	1.23332	1.23316		
July	14	2025	321.07597	1.25229	1.23743	1.23341	1.23324		
July	15	2025	321.09758	1.25237	1.23751	1.23349	1.23332		
July	16	2025	321.11919	1.25246	1.23760	1.23357	1.23341		
July	17	2025	321.14081	1.25254	1.23768	1.23366	1.23349		
July	18	2025	321.16242	1.25263	1.23776	1.23374	1.23357		
July	19	2025	321.18403	1.25271	1.23785	1.23382	1.23366		
July	20	2025	321.20565	1.25279	1.23793	1.23391	1.23374		
July	21	2025	321.22726	1.25288	1.23801	1.23399	1.23382		
July	22	2025	321.24887	1.25296	1.23810	1.23407	1.23390		
July	23	2025	321.27048	1.25305	1.23818	1.23415	1.23399		
July	24	2025	321.29210	1.25313	1.23826	1.23424	1.23407		
July	25	2025	321.31371	1.25322	1.23835	1.23432	1.23415		
July	26	2025	321.33532	1.25330	1.23843	1.23440	1.23424		
July	27	2025	321.35694	1.25338	1.23851	1.23449	1.23432		
July	28	2025	321.37855	1.25347	1.23860	1.23457	1.23440		
July	29	2025	321.40016	1.25355	1.23868	1.23465	1.23449		
July	30	2025	321.42177	1.25364	1.23876	1.23474	1.23457		
July	31	2025	321.44339	1.25372	1.23885	1.23482	1.23465		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				0-1/8% 5-Year TIPS Series X-2026 91282CCA7 April 15, 2021 April 30, 2021 June 30, 2021	0-1/8% 10-Year TIPS Series D-2031 91282CCM1 July 15, 2021 July 30, 2021 September 30, 2021 November 30, 2021	0-1/8% 5-Year TIPS Series AE-2026 91282CDC2 October 15, 2021 October 29, 2021 December 31, 2021	0-1/8% 10-Year TIPS Series A-2032 91282CDX6 January 15, 2022 January 31, 2022 March 31, 2022 May 31, 2022		
Maturity Date: Ref CPI on Dated Date:				April 15, 2026 262.25027	July 15, 2031 268.02090	October 15, 2026 273.25771	January 15, 2032 277.20274		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.22324	1.19690	1.17397	1.15726		
July	2	2025	320.81661	1.22332	1.19698	1.17404	1.15734		
July	3	2025	320.83823	1.22340	1.19706	1.17412	1.15741		
July	4	2025	320.85984	1.22349	1.19714	1.17420	1.15749		
July	5	2025	320.88145	1.22357	1.19723	1.17428	1.15757		
July	6	2025	320.90306	1.22365	1.19731	1.17436	1.15765		
July	7	2025	320.92468	1.22373	1.19739	1.17444	1.15773		
July	8	2025	320.94629	1.22382	1.19747	1.17452	1.15780		
July	9	2025	320.96790	1.22390	1.19755	1.17460	1.15788		
July	10	2025	320.98952	1.22398	1.19763	1.17468	1.15796		
July	11	2025	321.01113	1.22406	1.19771	1.17476	1.15804		
July	12	2025	321.03274	1.22415	1.19779	1.17484	1.15812		
July	13	2025	321.05435	1.22423	1.19787	1.17491	1.15819		
July	14	2025	321.07597	1.22431	1.19795	1.17499	1.15827		
July	15	2025	321.09758	1.22439	1.19803	1.17507	1.15835		
July	16	2025	321.11919	1.22448	1.19811	1.17515	1.15843		
July	17	2025	321.14081	1.22456	1.19819	1.17523	1.15851		
July	18	2025	321.16242	1.22464	1.19827	1.17531	1.15858		
July	19	2025	321.18403	1.22472	1.19835	1.17539	1.15866		
July	20	2025	321.20565	1.22481	1.19844	1.17547	1.15874		
July	21	2025	321.22726	1.22489	1.19852	1.17555	1.15882		
July	22	2025	321.24887	1.22497	1.19860	1.17563	1.15890		
July	23	2025	321.27048	1.22505	1.19868	1.17571	1.15897		
July	24	2025	321.29210	1.22514	1.19876	1.17578	1.15905		
July	25	2025	321.31371	1.22522	1.19884	1.17586	1.15913		
July	26	2025	321.33532	1.22530	1.19892	1.17594	1.15921		
July	27	2025	321.35694	1.22538	1.19900	1.17602	1.15928		
July	28	2025	321.37855	1.22547	1.19908	1.17610	1.15936		
July	29	2025	321.40016	1.22555	1.19916	1.17618	1.15944		
July	30	2025	321.42177	1.22563	1.19924	1.17626	1.15952		
July	31	2025	321.44339	1.22571	1.19932	1.17634	1.15960		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				0-1/8% 30-Year TIPS TIPS of February 2052 912810TE8 February 15, 2022 February 28, 2022 August 31, 2022	0-1/8% 5-Year TIPS Series X-2027 91282CEJ6 April 15, 2022 April 29, 2022 June 30, 2022	0-5/8% 10-Year TIPS Series D-2032 91282CEZ0 July 15, 2022 July 29, 2022 September 30, 2022 November 30, 2022	1-5/8% 5-Year TIPS Series AE-2027 91282CFR7 October 15, 2022 October 31, 2022 December 30, 2022		
Maturity Date: Ref CPI on Dated Date:				February 15, 2052 278.37500	April 15, 2027 282.34640	July 15, 2032 290.54829	October 15, 2027 296.22858		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.15238	1.13618	1.10410	1.08293		
July	2	2025	320.81661	1.15246	1.13625	1.10418	1.08300		
July	3	2025	320.83823	1.15254	1.13633	1.10425	1.08308		
July	4	2025	320.85984	1.15262	1.13640	1.10433	1.08315		
July	5	2025	320.88145	1.15269	1.13648	1.10440	1.08322		
July	6	2025	320.90306	1.15277	1.13656	1.10447	1.08330		
July	7	2025	320.92468	1.15285	1.13663	1.10455	1.08337		
July	8	2025	320.94629	1.15293	1.13671	1.10462	1.08344		
July	9	2025	320.96790	1.15301	1.13679	1.10470	1.08351		
July	10	2025	320.98952	1.15308	1.13686	1.10477	1.08359		
July	11	2025	321.01113	1.15316	1.13694	1.10485	1.08366		
July	12	2025	321.03274	1.15324	1.13702	1.10492	1.08373		
July	13	2025	321.05435	1.15332	1.13709	1.10499	1.08381		
July	14	2025	321.07597	1.15339	1.13717	1.10507	1.08388		
July	15	2025	321.09758	1.15347	1.13725	1.10514	1.08395		
July	16	2025	321.11919	1.15355	1.13732	1.10522	1.08403		
July	17	2025	321.14081	1.15363	1.13740	1.10529	1.08410		
July	18	2025	321.16242	1.15370	1.13748	1.10537	1.08417		
July	19	2025	321.18403	1.15378	1.13755	1.10544	1.08424		
July	20	2025	321.20565	1.15386	1.13763	1.10552	1.08432		
July	21	2025	321.22726	1.15394	1.13771	1.10559	1.08439		
July	22	2025	321.24887	1.15401	1.13778	1.10566	1.08446		
July	23	2025	321.27048	1.15409	1.13786	1.10574	1.08454		
July	24	2025	321.29210	1.15417	1.13794	1.10581	1.08461		
July	25	2025	321.31371	1.15425	1.13801	1.10589	1.08468		
July	26	2025	321.33532	1.15433	1.13809	1.10596	1.08475		
July	27	2025	321.35694	1.15440	1.13817	1.10604	1.08483		
July	28	2025	321.37855	1.15448	1.13824	1.10611	1.08490		
July	29	2025	321.40016	1.15456	1.13832	1.10618	1.08497		
July	30	2025	321.42177	1.15464	1.13840	1.10626	1.08505		
July	31	2025	321.44339	1.15471	1.13847	1.10633	1.08512		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				1-1/8% 10-Year TIPS Series A-2033 91282CGK1 January 15, 2023 January 31, 2023 March 31, 2023 May 31, 2023	1-1/2% 30-Year TIPS TIPS of February 2053 912810TP3 February 15, 2023 February 28, 2023 August 31, 2023	1-1/4% 5-Year TIPS Series X-2028 91282CGW5 April 15, 2023 April 28, 2023 June 30, 2023	1-3/8% 10-Year TIPS Series D-2033 91282CHP9 July 15, 2023 July 31, 2023 September 29, 2023 November 30, 2023		
Maturity Date: Ref CPI on Dated Date:				January 15, 2033 297.87606	February 15, 2053 297.25400	April 15, 2028 299.94933	July 15, 2033 303.70803		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.07694	1.07919	1.06950	1.05626		
July	2	2025	320.81661	1.07701	1.07927	1.06957	1.05633		
July	3	2025	320.83823	1.07709	1.07934	1.06964	1.05640		
July	4	2025	320.85984	1.07716	1.07941	1.06971	1.05647		
July	5	2025	320.88145	1.07723	1.07949	1.06979	1.05655		
July	6	2025	320.90306	1.07730	1.07956	1.06986	1.05662		
July	7	2025	320.92468	1.07738	1.07963	1.06993	1.05669		
July	8	2025	320.94629	1.07745	1.07970	1.07000	1.05676		
July	9	2025	320.96790	1.07752	1.07978	1.07007	1.05683		
July	10	2025	320.98952	1.07759	1.07985	1.07015	1.05690		
July	11	2025	321.01113	1.07767	1.07992	1.07022	1.05697		
July	12	2025	321.03274	1.07774	1.07999	1.07029	1.05704		
July	13	2025	321.05435	1.07781	1.08007	1.07036	1.05712		
July	14	2025	321.07597	1.07788	1.08014	1.07043	1.05719		
July	15	2025	321.09758	1.07796	1.08021	1.07051	1.05726		
July	16	2025	321.11919	1.07803	1.08029	1.07058	1.05733		
July	17	2025	321.14081	1.07810	1.08036	1.07065	1.05740		
July	18	2025	321.16242	1.07817	1.08043	1.07072	1.05747		
July	19	2025	321.18403	1.07825	1.08050	1.07079	1.05754		
July	20	2025	321.20565	1.07832	1.08058	1.07087	1.05761		
July	21	2025	321.22726	1.07839	1.08065	1.07094	1.05768		
July	22	2025	321.24887	1.07846	1.08072	1.07101	1.05776		
July	23	2025	321.27048	1.07854	1.08079	1.07108	1.05783		
July	24	2025	321.29210	1.07861	1.08087	1.07115	1.05790		
July	25	2025	321.31371	1.07868	1.08094	1.07123	1.05797		
July	26	2025	321.33532	1.07876	1.08101	1.07130	1.05804		
July	27	2025	321.35694	1.07883	1.08109	1.07137	1.05811		
July	28	2025	321.37855	1.07890	1.08116	1.07144	1.05818		
July	29	2025	321.40016	1.07897	1.08123	1.07151	1.05825		
July	30	2025	321.42177	1.07905	1.08130	1.07159	1.05832		
July	31	2025	321.44339	1.07912	1.08138	1.07166	1.05840		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				2-3/8% 5-Year TIPS Series AE-2028 91282CJH5 October 15, 2023 October 31, 2023 December 29, 2023	1-3/4% 10-Year TIPS Series A-2034 91282CJY8 January 15, 2024 January 31, 2024 March 28, 2024 May 31, 2024	2-1/8% 30-Year TIPS TIPS of February 2054 912810TY4 February 15, 2024 February 29, 2024 August 30, 2024	2-1/8% 5-Year TIPS Series X-2029 91282CKL4 April 15, 2024 April 30, 2024 June 28, 2024		
Maturity Date: Ref CPI on Dated Date:				October 15, 2028 306.29390	January 15, 2034 307.39100	February 15, 2054 306.90376	April 15, 2029 309.30787		
Date				Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
July	1	2025	320.79500	1.04734	1.04361	1.04526	1.03714		
July	2	2025	320.81661	1.04741	1.04368	1.04533	1.03721		
July	3	2025	320.83823	1.04748	1.04375	1.04540	1.03728		
July	4	2025	320.85984	1.04756	1.04382	1.04547	1.03735		
July	5	2025	320.88145	1.04763	1.04389	1.04554	1.03742		
July	6	2025	320.90306	1.04770	1.04396	1.04561	1.03749		
July	7	2025	320.92468	1.04777	1.04403	1.04569	1.03756		
July	8	2025	320.94629	1.04784	1.04410	1.04576	1.03763		
July	9	2025	320.96790	1.04791	1.04417	1.04583	1.03770		
July	10	2025	320.98952	1.04798	1.04424	1.04590	1.03777		
July	11	2025	321.01113	1.04805	1.04431	1.04597	1.03784		
July	12	2025	321.03274	1.04812	1.04438	1.04604	1.03791		
July	13	2025	321.05435	1.04819	1.04445	1.04611	1.03798		
July	14	2025	321.07597	1.04826	1.04452	1.04618	1.03805		
July	15	2025	321.09758	1.04833	1.04459	1.04625	1.03812		
July	16	2025	321.11919	1.04840	1.04466	1.04632	1.03819		
July	17	2025	321.14081	1.04847	1.04473	1.04639	1.03826		
July	18	2025	321.16242	1.04854	1.04480	1.04646	1.03833		
July	19	2025	321.18403	1.04861	1.04487	1.04653	1.03840		
July	20	2025	321.20565	1.04868	1.04494	1.04660	1.03847		
July	21	2025	321.22726	1.04876	1.04501	1.04667	1.03854		
July	22	2025	321.24887	1.04883	1.04508	1.04674	1.03861		
July	23	2025	321.27048	1.04890	1.04515	1.04681	1.03868		
July	24	2025	321.29210	1.04897	1.04522	1.04688	1.03875		
July	25	2025	321.31371	1.04904	1.04529	1.04695	1.03882		
July	26	2025	321.33532	1.04911	1.04536	1.04702	1.03889		
July	27	2025	321.35694	1.04918	1.04543	1.04709	1.03895		
July	28	2025	321.37855	1.04925	1.04550	1.04716	1.03902		
July	29	2025	321.40016	1.04932	1.04557	1.04723	1.03909		
July	30	2025	321.42177	1.04939	1.04564	1.04730	1.03916		
July	31	2025	321.44339	1.04946	1.04572	1.04738	1.03923		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):				1-7/8% 10-Year TIPS Series D-2034 91282CLE9 July 15, 2024 July 31, 2024 September 30, 2024 November 29, 2024	1-5/8% 5-Year TIPS Series AE-2029 91282CLV1 October 15, 2024 October 31, 2024 December 31, 2024	2-1/8% 10-Year TIPS Series A-2035 91282CML2 January 15, 2025 January 31, 2025 March 31, 2025 May 30, 2025	2-3/8% 30-Year TIPS TIPS of February 2055 912810UH9 February 15, 2025 February 28, 2025		
Maturity Date: Ref CPI on Dated Date:				July 15, 2034 313.78329	October 15, 2029 314.65561	January 15, 2035 315.58677	February 15, 2055 315.54900		
Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio		
July	1	2025	320.79500	1.02235	1.01951	1.01650	1.01662		
July	2	2025	320.81661	1.02241	1.01958	1.01657	1.01669		
July	3	2025	320.83823	1.02248	1.01965	1.01664	1.01676		
July	4	2025	320.85984	1.02255	1.01972	1.01671	1.01683		
July	5	2025	320.88145	1.02262	1.01979	1.01678	1.01690		
July	6	2025	320.90306	1.02269	1.01985	1.01685	1.01697		
July	7	2025	320.92468	1.02276	1.01992	1.01691	1.01704		
July	8	2025	320.94629	1.02283	1.01999	1.01698	1.01710		
July	9	2025	320.96790	1.02290	1.02006	1.01705	1.01717		
July	10	2025	320.98952	1.02297	1.02013	1.01712	1.01724		
July	11	2025	321.01113	1.02303	1.02020	1.01719	1.01731		
July	12	2025	321.03274	1.02310	1.02027	1.01726	1.01738		
July	13	2025	321.05435	1.02317	1.02034	1.01733	1.01745		
July	14	2025	321.07597	1.02324	1.02040	1.01739	1.01752		
July	15	2025	321.09758	1.02331	1.02047	1.01746	1.01758		
July	16	2025	321.11919	1.02338	1.02054	1.01753	1.01765		
July	17	2025	321.14081	1.02345	1.02061	1.01760	1.01772		
July	18	2025	321.16242	1.02352	1.02068	1.01767	1.01779		
July	19	2025	321.18403	1.02359	1.02075	1.01774	1.01786		
July	20	2025	321.20565	1.02365	1.02082	1.01780	1.01793		
July	21	2025	321.22726	1.02372	1.02089	1.01787	1.01799		
July	22	2025	321.24887	1.02379	1.02095	1.01794	1.01806		
July	23	2025	321.27048	1.02386	1.02102	1.01801	1.01813		
July	24	2025	321.29210	1.02393	1.02109	1.01808	1.01820		
July	25	2025	321.31371	1.02400	1.02116	1.01815	1.01827		
July	26	2025	321.33532	1.02407	1.02123	1.01822	1.01834		
July	27	2025	321.35694	1.02414	1.02130	1.01828	1.01841		
July	28	2025	321.37855	1.02421	1.02137	1.01835	1.01847		
July	29	2025	321.40016	1.02427	1.02143	1.01842	1.01854		
July	30	2025	321.42177	1.02434	1.02150	1.01849	1.01861		
July	31	2025	321.44339	1.02441	1.02157	1.01856	1.01868		
CPI-U (NSA) for:				March 2025	319.799	April 2025	320.795	May 2025	321.465

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)

Ref CPI and Index Ratios for

July 2025

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s): Maturity Date: Ref CPI on Dated Date:			1-5/8% 5-Year TIPS Series X-2030 91282CNB3 April 15, 2025 April 30, 2025 April 15, 2030 318.32947			
Date	Ref CPI		Index Ratio			
July 1 2025	320.79500		1.00775			
July 2 2025	320.81661		1.00781			
July 3 2025	320.83823		1.00788			
July 4 2025	320.85984		1.00795			
July 5 2025	320.88145		1.00802			
July 6 2025	320.90306		1.00808			
July 7 2025	320.92468		1.00815			
July 8 2025	320.94629		1.00822			
July 9 2025	320.96790		1.00829			
July 10 2025	320.98952		1.00836			
July 11 2025	321.01113		1.00842			
July 12 2025	321.03274		1.00849			
July 13 2025	321.05435		1.00856			
July 14 2025	321.07597		1.00863			
July 15 2025	321.09758		1.00870			
July 16 2025	321.11919		1.00876			
July 17 2025	321.14081		1.00883			
July 18 2025	321.16242		1.00890			
July 19 2025	321.18403		1.00897			
July 20 2025	321.20565		1.00904			
July 21 2025	321.22726		1.00910			
July 22 2025	321.24887		1.00917			
July 23 2025	321.27048		1.00924			
July 24 2025	321.29210		1.00931			
July 25 2025	321.31371		1.00937			
July 26 2025	321.33532		1.00944			
July 27 2025	321.35694		1.00951			
July 28 2025	321.37855		1.00958			
July 29 2025	321.40016		1.00965			
July 30 2025	321.42177		1.00971			
July 31 2025	321.44339		1.00978			
CPI-U (NSA) for:			March 2025 319.799	April 2025 320.795	May 2025 321.465	