

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

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 15, 2001	January 31, 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	
May 1 2024	310.32600	1.91867	1.88770	1.74832	1.64632	
May 2 2024	310.39071	1.91907	1.88810	1.74868	1.64666	
May 3 2024	310.45542	1.91947	1.88849	1.74904	1.64701	
May 4 2024	310.52013	1.91987	1.88889	1.74941	1.64735	
May 5 2024	310.58484	1.92027	1.88928	1.74977	1.64769	
May 6 2024	310.64955	1.92067	1.88967	1.75014	1.64804	
May 7 2024	310.71426	1.92107	1.89007	1.75050	1.64838	
May 8 2024	310.77897	1.92147	1.89046	1.75087	1.64872	
May 9 2024	310.84368	1.92187	1.89085	1.75123	1.64907	
May 10 2024	310.90839	1.92227	1.89125	1.75160	1.64941	
May 11 2024	310.97310	1.92267	1.89164	1.75196	1.64975	
May 12 2024	311.03781	1.92307	1.89203	1.75233	1.65010	
May 13 2024	311.10252	1.92347	1.89243	1.75269	1.65044	
May 14 2024	311.16723	1.92387	1.89282	1.75305	1.65078	
May 15 2024	311.23194	1.92427	1.89322	1.75342	1.65113	
May 16 2024	311.29665	1.92467	1.89361	1.75378	1.65147	
May 17 2024	311.36135	1.92507	1.89400	1.75415	1.65181	
May 18 2024	311.42606	1.92547	1.89440	1.75451	1.65216	
May 19 2024	311.49077	1.92587	1.89479	1.75488	1.65250	
May 20 2024	311.55548	1.92627	1.89518	1.75524	1.65284	
May 21 2024	311.62019	1.92667	1.89558	1.75561	1.65319	
May 22 2024	311.68490	1.92707	1.89597	1.75597	1.65353	
May 23 2024	311.74961	1.92747	1.89636	1.75634	1.65387	
May 24 2024	311.81432	1.92787	1.89676	1.75670	1.65422	
May 25 2024	311.87903	1.92827	1.89715	1.75706	1.65456	
May 26 2024	311.94374	1.92867	1.89754	1.75743	1.65490	
May 27 2024	312.00845	1.92907	1.89794	1.75779	1.65525	
May 28 2024	312.07316	1.92947	1.89833	1.75816	1.65559	
May 29 2024	312.13787	1.92987	1.89873	1.75852	1.65593	
May 30 2024	312.20258	1.93027	1.89912	1.75889	1.65628	
May 31 2024	312.26729	1.93067	1.89951	1.75925	1.65662	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

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	1-3/4% 20-Year TIPS TIPS of January 2028 912810PV4 January 15, 2008 January 31, 2008 July 31, 2008	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, 2026 198.47742	January 15, 2027 201.66452	January 15, 2028 209.49645	January 15, 2029 214.69971
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.56353	1.53882	1.48129	1.44540	
May 2 2024	310.39071	1.56386	1.53914	1.48160	1.44570	
May 3 2024	310.45542	1.56419	1.53946	1.48191	1.44600	
May 4 2024	310.52013	1.56451	1.53979	1.48222	1.44630	
May 5 2024	310.58484	1.56484	1.54011	1.48253	1.44660	
May 6 2024	310.64955	1.56516	1.54043	1.48284	1.44690	
May 7 2024	310.71426	1.56549	1.54075	1.48315	1.44720	
May 8 2024	310.77897	1.56582	1.54107	1.48346	1.44751	
May 9 2024	310.84368	1.56614	1.54139	1.48377	1.44781	
May 10 2024	310.90839	1.56647	1.54171	1.48407	1.44811	
May 11 2024	310.97310	1.56679	1.54203	1.48438	1.44841	
May 12 2024	311.03781	1.56712	1.54235	1.48469	1.44871	
May 13 2024	311.10252	1.56745	1.54267	1.48500	1.44901	
May 14 2024	311.16723	1.56777	1.54299	1.48531	1.44931	
May 15 2024	311.23194	1.56810	1.54332	1.48562	1.44962	
May 16 2024	311.29665	1.56842	1.54364	1.48593	1.44992	
May 17 2024	311.36135	1.56875	1.54396	1.48624	1.45022	
May 18 2024	311.42606	1.56908	1.54428	1.48655	1.45052	
May 19 2024	311.49077	1.56940	1.54460	1.48685	1.45082	
May 20 2024	311.55548	1.56973	1.54492	1.48716	1.45112	
May 21 2024	311.62019	1.57005	1.54524	1.48747	1.45142	
May 22 2024	311.68490	1.57038	1.54556	1.48778	1.45172	
May 23 2024	311.74961	1.57071	1.54588	1.48809	1.45203	
May 24 2024	311.81432	1.57103	1.54620	1.48840	1.45233	
May 25 2024	311.87903	1.57136	1.54652	1.48871	1.45263	
May 26 2024	311.94374	1.57168	1.54684	1.48902	1.45293	
May 27 2024	312.00845	1.57201	1.54717	1.48933	1.45323	
May 28 2024	312.07316	1.57234	1.54749	1.48963	1.45353	
May 29 2024	312.13787	1.57266	1.54781	1.48994	1.45383	
May 30 2024	312.20258	1.57299	1.54813	1.49025	1.45414	
May 31 2024	312.26729	1.57331	1.54845	1.49056	1.45444	
CPI-U (NSA) for:	January 2024	308.417	February 2024	310.326	March 2024	312.332

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			2-1/8% 30-Year TIPS TIPS of February 2040 912810QF8 February 15, 2010 February 26, 2010 August 31, 2010	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
Maturity Date: Ref CPI on Dated Date:			February 15, 2040 216.13950	February 15, 2041 218.99100	February 15, 2042 225.96062	February 15, 2043 229.91100
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.43577	1.41707	1.37336	1.34977	
May 2 2024	310.39071	1.43607	1.41737	1.37365	1.35005	
May 3 2024	310.45542	1.43637	1.41766	1.37394	1.35033	
May 4 2024	310.52013	1.43667	1.41796	1.37422	1.35061	
May 5 2024	310.58484	1.43696	1.41825	1.37451	1.35089	
May 6 2024	310.64955	1.43726	1.41855	1.37480	1.35117	
May 7 2024	310.71426	1.43756	1.41884	1.37508	1.35145	
May 8 2024	310.77897	1.43786	1.41914	1.37537	1.35174	
May 9 2024	310.84368	1.43816	1.41944	1.37565	1.35202	
May 10 2024	310.90839	1.43846	1.41973	1.37594	1.35230	
May 11 2024	310.97310	1.43876	1.42003	1.37623	1.35258	
May 12 2024	311.03781	1.43906	1.42032	1.37651	1.35286	
May 13 2024	311.10252	1.43936	1.42062	1.37680	1.35314	
May 14 2024	311.16723	1.43966	1.42091	1.37709	1.35342	
May 15 2024	311.23194	1.43996	1.42121	1.37737	1.35371	
May 16 2024	311.29665	1.44026	1.42150	1.37766	1.35399	
May 17 2024	311.36135	1.44056	1.42180	1.37795	1.35427	
May 18 2024	311.42606	1.44086	1.42210	1.37823	1.35455	
May 19 2024	311.49077	1.44116	1.42239	1.37852	1.35483	
May 20 2024	311.55548	1.44146	1.42269	1.37880	1.35511	
May 21 2024	311.62019	1.44175	1.42298	1.37909	1.35539	
May 22 2024	311.68490	1.44205	1.42328	1.37938	1.35568	
May 23 2024	311.74961	1.44235	1.42357	1.37966	1.35596	
May 24 2024	311.81432	1.44265	1.42387	1.37995	1.35624	
May 25 2024	311.87903	1.44295	1.42416	1.38024	1.35652	
May 26 2024	311.94374	1.44325	1.42446	1.38052	1.35680	
May 27 2024	312.00845	1.44355	1.42475	1.38081	1.35708	
May 28 2024	312.07316	1.44385	1.42505	1.38110	1.35737	
May 29 2024	312.13787	1.44415	1.42535	1.38138	1.35765	
May 30 2024	312.20258	1.44445	1.42564	1.38167	1.35793	
May 31 2024	312.26729	1.44475	1.42594	1.38195	1.35821	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-3/8% 30-Year TIPS TIPS of February 2044 912810RF7 February 15, 2014 February 28, 2014 June 30, 2014 October 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:			February 15, 2044 233.05900	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	
May 1 2024	310.32600	1.33153	1.30693	1.31020	1.31784	
May 2 2024	310.39071	1.33181	1.30721	1.31047	1.31811	
May 3 2024	310.45542	1.33209	1.30748	1.31075	1.31839	
May 4 2024	310.52013	1.33237	1.30775	1.31102	1.31866	
May 5 2024	310.58484	1.33264	1.30802	1.31129	1.31894	
May 6 2024	310.64955	1.33292	1.30830	1.31157	1.31921	
May 7 2024	310.71426	1.33320	1.30857	1.31184	1.31948	
May 8 2024	310.77897	1.33348	1.30884	1.31211	1.31976	
May 9 2024	310.84368	1.33376	1.30911	1.31239	1.32003	
May 10 2024	310.90839	1.33403	1.30939	1.31266	1.32031	
May 11 2024	310.97310	1.33431	1.30966	1.31293	1.32058	
May 12 2024	311.03781	1.33459	1.30993	1.31320	1.32086	
May 13 2024	311.10252	1.33487	1.31020	1.31348	1.32113	
May 14 2024	311.16723	1.33514	1.31048	1.31375	1.32141	
May 15 2024	311.23194	1.33542	1.31075	1.31402	1.32168	
May 16 2024	311.29665	1.33570	1.31102	1.31430	1.32196	
May 17 2024	311.36135	1.33598	1.31129	1.31457	1.32223	
May 18 2024	311.42606	1.33625	1.31157	1.31484	1.32251	
May 19 2024	311.49077	1.33653	1.31184	1.31512	1.32278	
May 20 2024	311.55548	1.33681	1.31211	1.31539	1.32306	
May 21 2024	311.62019	1.33709	1.31238	1.31566	1.32333	
May 22 2024	311.68490	1.33736	1.31266	1.31594	1.32361	
May 23 2024	311.74961	1.33764	1.31293	1.31621	1.32388	
May 24 2024	311.81432	1.33792	1.31320	1.31648	1.32416	
May 25 2024	311.87903	1.33820	1.31347	1.31676	1.32443	
May 26 2024	311.94374	1.33848	1.31375	1.31703	1.32471	
May 27 2024	312.00845	1.33875	1.31402	1.31730	1.32498	
May 28 2024	312.07316	1.33903	1.31429	1.31758	1.32526	
May 29 2024	312.13787	1.33931	1.31456	1.31785	1.32553	
May 30 2024	312.20258	1.33959	1.31484	1.31812	1.32581	
May 31 2024	312.26729	1.33986	1.31511	1.31840	1.32608	
CPI-U (NSA) for:	January 2024	308.417	February 2024	310.326	March 2024	312.332

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	0-1/8% 10-Year TIPS Series D-2026 912828S50 July 15, 2016 July 29, 2016 September 30, 2016 November 30, 2016
Maturity Date: Ref CPI on Dated Date:			July 15, 2025 237.14365	January 15, 2026 237.61129	February 15, 2046 236.94448	July 15, 2026 239.70132
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.30860	1.30602	1.30970	1.29464	
May 2 2024	310.39071	1.30887	1.30630	1.30997	1.29491	
May 3 2024	310.45542	1.30914	1.30657	1.31025	1.29518	
May 4 2024	310.52013	1.30942	1.30684	1.31052	1.29545	
May 5 2024	310.58484	1.30969	1.30711	1.31079	1.29572	
May 6 2024	310.64955	1.30996	1.30739	1.31106	1.29599	
May 7 2024	310.71426	1.31024	1.30766	1.31134	1.29626	
May 8 2024	310.77897	1.31051	1.30793	1.31161	1.29653	
May 9 2024	310.84368	1.31078	1.30820	1.31188	1.29680	
May 10 2024	310.90839	1.31106	1.30847	1.31216	1.29707	
May 11 2024	310.97310	1.31133	1.30875	1.31243	1.29734	
May 12 2024	311.03781	1.31160	1.30902	1.31270	1.29761	
May 13 2024	311.10252	1.31187	1.30929	1.31298	1.29788	
May 14 2024	311.16723	1.31215	1.30956	1.31325	1.29815	
May 15 2024	311.23194	1.31242	1.30984	1.31352	1.29842	
May 16 2024	311.29665	1.31269	1.31011	1.31380	1.29869	
May 17 2024	311.36135	1.31297	1.31038	1.31407	1.29896	
May 18 2024	311.42606	1.31324	1.31065	1.31434	1.29923	
May 19 2024	311.49077	1.31351	1.31093	1.31462	1.29950	
May 20 2024	311.55548	1.31378	1.31120	1.31489	1.29977	
May 21 2024	311.62019	1.31406	1.31147	1.31516	1.30004	
May 22 2024	311.68490	1.31433	1.31174	1.31543	1.30031	
May 23 2024	311.74961	1.31460	1.31202	1.31571	1.30058	
May 24 2024	311.81432	1.31488	1.31229	1.31598	1.30085	
May 25 2024	311.87903	1.31515	1.31256	1.31625	1.30112	
May 26 2024	311.94374	1.31542	1.31283	1.31653	1.30139	
May 27 2024	312.00845	1.31569	1.31310	1.31680	1.30166	
May 28 2024	312.07316	1.31597	1.31338	1.31707	1.30193	
May 29 2024	312.13787	1.31624	1.31365	1.31735	1.30220	
May 30 2024	312.20258	1.31651	1.31392	1.31762	1.30247	
May 31 2024	312.26729	1.31679	1.31419	1.31789	1.30273	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

Date			Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May	1	2024	310.32600	1.28468	1.28557	1.26861	1.25808	
May	2	2024	310.39071	1.28495	1.28583	1.26888	1.25835	
May	3	2024	310.45542	1.28521	1.28610	1.26914	1.25861	
May	4	2024	310.52013	1.28548	1.28637	1.26941	1.25887	
May	5	2024	310.58484	1.28575	1.28664	1.26967	1.25913	
May	6	2024	310.64955	1.28602	1.28691	1.26994	1.25939	
May	7	2024	310.71426	1.28629	1.28717	1.27020	1.25966	
May	8	2024	310.77897	1.28655	1.28744	1.27046	1.25992	
May	9	2024	310.84368	1.28682	1.28771	1.27073	1.26018	
May	10	2024	310.90839	1.28709	1.28798	1.27099	1.26044	
May	11	2024	310.97310	1.28736	1.28825	1.27126	1.26071	
May	12	2024	311.03781	1.28763	1.28851	1.27152	1.26097	
May	13	2024	311.10252	1.28789	1.28878	1.27179	1.26123	
May	14	2024	311.16723	1.28816	1.28905	1.27205	1.26149	
May	15	2024	311.23194	1.28843	1.28932	1.27232	1.26176	
May	16	2024	311.29665	1.28870	1.28959	1.27258	1.26202	
May	17	2024	311.36135	1.28897	1.28986	1.27285	1.26228	
May	18	2024	311.42606	1.28923	1.29012	1.27311	1.26254	
May	19	2024	311.49077	1.28950	1.29039	1.27337	1.26281	
May	20	2024	311.55548	1.28977	1.29066	1.27364	1.26307	
May	21	2024	311.62019	1.29004	1.29093	1.27390	1.26333	
May	22	2024	311.68490	1.29030	1.29120	1.27417	1.26359	
May	23	2024	311.74961	1.29057	1.29146	1.27443	1.26385	
May	24	2024	311.81432	1.29084	1.29173	1.27470	1.26412	
May	25	2024	311.87903	1.29111	1.29200	1.27496	1.26438	
May	26	2024	311.94374	1.29138	1.29227	1.27523	1.26464	
May	27	2024	312.00845	1.29164	1.29254	1.27549	1.26490	
May	28	2024	312.07316	1.29191	1.29280	1.27576	1.26517	
May	29	2024	312.13787	1.29218	1.29307	1.27602	1.26543	
May	30	2024	312.20258	1.29245	1.29334	1.27628	1.26569	
May	31	2024	312.26729	1.29272	1.29361	1.27655	1.26595	
CPI-U (NSA) for:			January 2024	308.417	February 2024	310.326	March 2024	312.332

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

Maturity Date:
Ref CPI on Dated Date:

0-3/8% 10-Year TIPS
Series A-2027
912828V49
January 15, 2017
January 31, 2017
March 31, 2017
May 31, 2017

January 15, 2027
241.55919

0-7/8% 30-Year TIPS
TIPS of February 2047
912810RW0
February 15, 2017
February 28, 2017
June 30, 2017
October 31, 2017

February 15, 2047
241.39250

0-3/8% 10-Year TIPS
Series D-2027
912828L3
July 15, 2017
July 31, 2017
September 29, 2017
November 30, 2017

July 15, 2027
244.61839

0-1/2% 10-Year TIPS
Series A-2028
9128283R9
January 15, 2018
January 31, 2018
March 29, 2018
May 31, 2018

January 15, 2028
246.66571

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
May 2024

Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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	1% 30-Year TIPS TIPS of February 2049 912810SG4 February 15, 2019 February 28, 2019 August 30, 2019
Maturity Date: Ref CPI on Dated Date:			February 15, 2048 246.59650	July 15, 2028 251.01658	January 15, 2029 252.50248	February 15, 2049 251.63550
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.25844	1.23628	1.22900	1.23324	
May 2 2024	310.39071	1.25870	1.23653	1.22926	1.23349	
May 3 2024	310.45542	1.25896	1.23679	1.22951	1.23375	
May 4 2024	310.52013	1.25922	1.23705	1.22977	1.23401	
May 5 2024	310.58484	1.25949	1.23731	1.23003	1.23426	
May 6 2024	310.64955	1.25975	1.23757	1.23028	1.23452	
May 7 2024	310.71426	1.26001	1.23782	1.23054	1.23478	
May 8 2024	310.77897	1.26027	1.23808	1.23080	1.23504	
May 9 2024	310.84368	1.26054	1.23834	1.23105	1.23529	
May 10 2024	310.90839	1.26080	1.23860	1.23131	1.23555	
May 11 2024	310.97310	1.26106	1.23885	1.23156	1.23581	
May 12 2024	311.03781	1.26132	1.23911	1.23182	1.23606	
May 13 2024	311.10252	1.26159	1.23937	1.23208	1.23632	
May 14 2024	311.16723	1.26185	1.23963	1.23233	1.23658	
May 15 2024	311.23194	1.26211	1.23989	1.23259	1.23684	
May 16 2024	311.29665	1.26237	1.24014	1.23285	1.23709	
May 17 2024	311.36135	1.26263	1.24040	1.23310	1.23735	
May 18 2024	311.42606	1.26290	1.24066	1.23336	1.23761	
May 19 2024	311.49077	1.26316	1.24092	1.23361	1.23786	
May 20 2024	311.55548	1.26342	1.24117	1.23387	1.23812	
May 21 2024	311.62019	1.26368	1.24143	1.23413	1.23838	
May 22 2024	311.68490	1.26395	1.24169	1.23438	1.23864	
May 23 2024	311.74961	1.26421	1.24195	1.23464	1.23889	
May 24 2024	311.81432	1.26447	1.24221	1.23490	1.23915	
May 25 2024	311.87903	1.26473	1.24246	1.23515	1.23941	
May 26 2024	311.94374	1.26500	1.24272	1.23541	1.23967	
May 27 2024	312.00845	1.26526	1.24298	1.23566	1.23992	
May 28 2024	312.07316	1.26552	1.24324	1.23592	1.24018	
May 29 2024	312.13787	1.26578	1.24350	1.23618	1.24044	
May 30 2024	312.20258	1.26605	1.24375	1.23643	1.24069	
May 31 2024	312.26729	1.26631	1.24401	1.23669	1.24095	
CPI-U (NSA) for:	January 2024	308.417	February 2024	310.326	March 2024	312.332

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			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% 5-Year TIPS Series AE-2024 912828YL8 October 15, 2019 October 31, 2019 December 31, 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:			July 15, 2029 255.79368	October 15, 2024 256.56513	January 15, 2030 257.28368	February 15, 2050 257.09503
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.21319	1.20954	1.20616	1.20705	
May 2 2024	310.39071	1.21344	1.20979	1.20641	1.20730	
May 3 2024	310.45542	1.21369	1.21005	1.20667	1.20755	
May 4 2024	310.52013	1.21395	1.21030	1.20692	1.20780	
May 5 2024	310.58484	1.21420	1.21055	1.20717	1.20805	
May 6 2024	310.64955	1.21445	1.21080	1.20742	1.20831	
May 7 2024	310.71426	1.21471	1.21105	1.20767	1.20856	
May 8 2024	310.77897	1.21496	1.21131	1.20792	1.20881	
May 9 2024	310.84368	1.21521	1.21156	1.20817	1.20906	
May 10 2024	310.90839	1.21547	1.21181	1.20843	1.20931	
May 11 2024	310.97310	1.21572	1.21206	1.20868	1.20956	
May 12 2024	311.03781	1.21597	1.21232	1.20893	1.20982	
May 13 2024	311.10252	1.21622	1.21257	1.20918	1.21007	
May 14 2024	311.16723	1.21648	1.21282	1.20943	1.21032	
May 15 2024	311.23194	1.21673	1.21307	1.20968	1.21057	
May 16 2024	311.29665	1.21698	1.21332	1.20994	1.21082	
May 17 2024	311.36135	1.21724	1.21358	1.21019	1.21107	
May 18 2024	311.42606	1.21749	1.21383	1.21044	1.21133	
May 19 2024	311.49077	1.21774	1.21408	1.21069	1.21158	
May 20 2024	311.55548	1.21800	1.21433	1.21094	1.21183	
May 21 2024	311.62019	1.21825	1.21459	1.21119	1.21208	
May 22 2024	311.68490	1.21850	1.21484	1.21144	1.21233	
May 23 2024	311.74961	1.21875	1.21509	1.21170	1.21259	
May 24 2024	311.81432	1.21901	1.21534	1.21195	1.21284	
May 25 2024	311.87903	1.21926	1.21559	1.21220	1.21309	
May 26 2024	311.94374	1.21951	1.21585	1.21245	1.21334	
May 27 2024	312.00845	1.21977	1.21610	1.21270	1.21359	
May 28 2024	312.07316	1.22002	1.21635	1.21295	1.21384	
May 29 2024	312.13787	1.22027	1.21660	1.21321	1.21410	
May 30 2024	312.20258	1.22052	1.21686	1.21346	1.21435	
May 31 2024	312.26729	1.22078	1.21711	1.21371	1.21460	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 5-Year TIPS Series X-2025 912828ZJ2 April 15, 2020 July 30, 2020 June 30, 2020 July 13, 2020	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
Maturity Date: Ref CPI on Dated Date:			April 15, 2025 258.30093	July 15, 2030 256.39126	October 15, 2025 259.46997	January 15, 2031 260.31619
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.20141	1.21036	1.19600	1.19211	
May 2 2024	310.39071	1.20166	1.21061	1.19625	1.19236	
May 3 2024	310.45542	1.20191	1.21087	1.19650	1.19261	
May 4 2024	310.52013	1.20216	1.21112	1.19675	1.19286	
May 5 2024	310.58484	1.20241	1.21137	1.19700	1.19311	
May 6 2024	310.64955	1.20267	1.21162	1.19725	1.19335	
May 7 2024	310.71426	1.20292	1.21188	1.19750	1.19360	
May 8 2024	310.77897	1.20317	1.21213	1.19775	1.19385	
May 9 2024	310.84368	1.20342	1.21238	1.19799	1.19410	
May 10 2024	310.90839	1.20367	1.21263	1.19824	1.19435	
May 11 2024	310.97310	1.20392	1.21288	1.19849	1.19460	
May 12 2024	311.03781	1.20417	1.21314	1.19874	1.19485	
May 13 2024	311.10252	1.20442	1.21339	1.19899	1.19509	
May 14 2024	311.16723	1.20467	1.21364	1.19924	1.19534	
May 15 2024	311.23194	1.20492	1.21389	1.19949	1.19559	
May 16 2024	311.29665	1.20517	1.21415	1.19974	1.19584	
May 17 2024	311.36135	1.20542	1.21440	1.19999	1.19609	
May 18 2024	311.42606	1.20567	1.21465	1.20024	1.19634	
May 19 2024	311.49077	1.20592	1.21490	1.20049	1.19659	
May 20 2024	311.55548	1.20617	1.21516	1.20074	1.19683	
May 21 2024	311.62019	1.20642	1.21541	1.20099	1.19708	
May 22 2024	311.68490	1.20667	1.21566	1.20124	1.19733	
May 23 2024	311.74961	1.20692	1.21591	1.20149	1.19758	
May 24 2024	311.81432	1.20717	1.21617	1.20174	1.19783	
May 25 2024	311.87903	1.20743	1.21642	1.20199	1.19808	
May 26 2024	311.94374	1.20768	1.21667	1.20223	1.19833	
May 27 2024	312.00845	1.20793	1.21692	1.20248	1.19857	
May 28 2024	312.07316	1.20818	1.21718	1.20273	1.19882	
May 29 2024	312.13787	1.20843	1.21743	1.20298	1.19907	
May 30 2024	312.20258	1.20868	1.21768	1.20323	1.19932	
May 31 2024	312.26729	1.20893	1.21793	1.20348	1.19957	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

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Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 30-Year TIPS TIPS of February 2051 912810SV1 February 15, 2021 February 26, 2021 August 31, 2021	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
Maturity Date: Ref CPI on Dated Date:			February 15, 2051 260.35150	April 15, 2026 262.25027	July 15, 2031 268.02090	October 15, 2026 273.25771
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.19195	1.18332	1.15784	1.13565	
May 2 2024	310.39071	1.19220	1.18357	1.15808	1.13589	
May 3 2024	310.45542	1.19245	1.18381	1.15833	1.13613	
May 4 2024	310.52013	1.19270	1.18406	1.15857	1.13636	
May 5 2024	310.58484	1.19294	1.18431	1.15881	1.13660	
May 6 2024	310.64955	1.19319	1.18455	1.15905	1.13684	
May 7 2024	310.71426	1.19344	1.18480	1.15929	1.13707	
May 8 2024	310.77897	1.19369	1.18505	1.15953	1.13731	
May 9 2024	310.84368	1.19394	1.18529	1.15977	1.13755	
May 10 2024	310.90839	1.19419	1.18554	1.16002	1.13778	
May 11 2024	310.97310	1.19444	1.18579	1.16026	1.13802	
May 12 2024	311.03781	1.19468	1.18603	1.16050	1.13826	
May 13 2024	311.10252	1.19493	1.18628	1.16074	1.13849	
May 14 2024	311.16723	1.19518	1.18653	1.16098	1.13873	
May 15 2024	311.23194	1.19543	1.18677	1.16122	1.13897	
May 16 2024	311.29665	1.19568	1.18702	1.16146	1.13921	
May 17 2024	311.36135	1.19593	1.18727	1.16171	1.13944	
May 18 2024	311.42606	1.19618	1.18751	1.16195	1.13968	
May 19 2024	311.49077	1.19642	1.18776	1.16219	1.13992	
May 20 2024	311.55548	1.19667	1.18801	1.16243	1.14015	
May 21 2024	311.62019	1.19692	1.18825	1.16267	1.14039	
May 22 2024	311.68490	1.19717	1.18850	1.16291	1.14063	
May 23 2024	311.74961	1.19742	1.18875	1.16315	1.14086	
May 24 2024	311.81432	1.19767	1.18900	1.16340	1.14110	
May 25 2024	311.87903	1.19792	1.18924	1.16364	1.14134	
May 26 2024	311.94374	1.19816	1.18949	1.16388	1.14157	
May 27 2024	312.00845	1.19841	1.18974	1.16412	1.14181	
May 28 2024	312.07316	1.19866	1.18998	1.16436	1.14205	
May 29 2024	312.13787	1.19891	1.19023	1.16460	1.14228	
May 30 2024	312.20258	1.19916	1.19048	1.16484	1.14252	
May 31 2024	312.26729	1.19941	1.19072	1.16509	1.14276	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			0-1/8% 10-Year TIPS Series A-2032 91282CDX6 January 15, 2022 January 31, 2022 March 31, 2022 May 31, 2022	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
Maturity Date: Ref CPI on Dated Date:			January 15, 2032 277.20274	February 15, 2052 278.37500	April 15, 2027 282.34640	July 15, 2032 290.54829
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.11949	1.11478	1.09910	1.06807	
May 2 2024	310.39071	1.11972	1.11501	1.09933	1.06829	
May 3 2024	310.45542	1.11996	1.11524	1.09956	1.06852	
May 4 2024	310.52013	1.12019	1.11547	1.09978	1.06874	
May 5 2024	310.58484	1.12042	1.11571	1.10001	1.06896	
May 6 2024	310.64955	1.12066	1.11594	1.10024	1.06918	
May 7 2024	310.71426	1.12089	1.11617	1.10047	1.06941	
May 8 2024	310.77897	1.12113	1.11640	1.10070	1.06963	
May 9 2024	310.84368	1.12136	1.11664	1.10093	1.06985	
May 10 2024	310.90839	1.12159	1.11687	1.10116	1.07007	
May 11 2024	310.97310	1.12183	1.11710	1.10139	1.07030	
May 12 2024	311.03781	1.12206	1.11733	1.10162	1.07052	
May 13 2024	311.10252	1.12229	1.11757	1.10185	1.07074	
May 14 2024	311.16723	1.12253	1.11780	1.10208	1.07097	
May 15 2024	311.23194	1.12276	1.11803	1.10231	1.07119	
May 16 2024	311.29665	1.12299	1.11826	1.10253	1.07141	
May 17 2024	311.36135	1.12323	1.11850	1.10276	1.07163	
May 18 2024	311.42606	1.12346	1.11873	1.10299	1.07186	
May 19 2024	311.49077	1.12369	1.11896	1.10322	1.07208	
May 20 2024	311.55548	1.12393	1.11919	1.10345	1.07230	
May 21 2024	311.62019	1.12416	1.11943	1.10368	1.07252	
May 22 2024	311.68490	1.12439	1.11966	1.10391	1.07275	
May 23 2024	311.74961	1.12463	1.11989	1.10414	1.07297	
May 24 2024	311.81432	1.12486	1.12012	1.10437	1.07319	
May 25 2024	311.87903	1.12509	1.12036	1.10460	1.07342	
May 26 2024	311.94374	1.12533	1.12059	1.10483	1.07364	
May 27 2024	312.00845	1.12556	1.12082	1.10506	1.07386	
May 28 2024	312.07316	1.12579	1.12105	1.10528	1.07408	
May 29 2024	312.13787	1.12603	1.12129	1.10551	1.07431	
May 30 2024	312.20258	1.12626	1.12152	1.10574	1.07453	
May 31 2024	312.26729	1.12649	1.12175	1.10597	1.07475	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-5/8% 5-Year TIPS Series AE-2027 91282CFR7 October 15, 2022 October 31, 2022 December 30, 2022	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
Maturity Date: Ref CPI on Dated Date:			October 15, 2027 296.22858	January 15, 2033 297.87606	February 15, 2053 297.25400	April 15, 2028 299.94933
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.04759	1.04180	1.04398	1.03459	
May 2 2024	310.39071	1.04781	1.04201	1.04419	1.03481	
May 3 2024	310.45542	1.04803	1.04223	1.04441	1.03503	
May 4 2024	310.52013	1.04825	1.04245	1.04463	1.03524	
May 5 2024	310.58484	1.04846	1.04266	1.04485	1.03546	
May 6 2024	310.64955	1.04868	1.04288	1.04506	1.03567	
May 7 2024	310.71426	1.04890	1.04310	1.04528	1.03589	
May 8 2024	310.77897	1.04912	1.04332	1.04550	1.03610	
May 9 2024	310.84368	1.04934	1.04353	1.04572	1.03632	
May 10 2024	310.90839	1.04956	1.04375	1.04594	1.03654	
May 11 2024	310.97310	1.04977	1.04397	1.04615	1.03675	
May 12 2024	311.03781	1.04999	1.04419	1.04637	1.03697	
May 13 2024	311.10252	1.05021	1.04440	1.04659	1.03718	
May 14 2024	311.16723	1.05043	1.04462	1.04681	1.03740	
May 15 2024	311.23194	1.05065	1.04484	1.04702	1.03762	
May 16 2024	311.29665	1.05087	1.04505	1.04724	1.03783	
May 17 2024	311.36135	1.05108	1.04527	1.04746	1.03805	
May 18 2024	311.42606	1.05130	1.04549	1.04768	1.03826	
May 19 2024	311.49077	1.05152	1.04571	1.04789	1.03848	
May 20 2024	311.55548	1.05174	1.04592	1.04811	1.03869	
May 21 2024	311.62019	1.05196	1.04614	1.04833	1.03891	
May 22 2024	311.68490	1.05218	1.04636	1.04855	1.03913	
May 23 2024	311.74961	1.05240	1.04657	1.04877	1.03934	
May 24 2024	311.81432	1.05261	1.04679	1.04898	1.03956	
May 25 2024	311.87903	1.05283	1.04701	1.04920	1.03977	
May 26 2024	311.94374	1.05305	1.04723	1.04942	1.03999	
May 27 2024	312.00845	1.05327	1.04744	1.04964	1.04020	
May 28 2024	312.07316	1.05349	1.04766	1.04985	1.04042	
May 29 2024	312.13787	1.05371	1.04788	1.05007	1.04064	
May 30 2024	312.20258	1.05392	1.04810	1.05029	1.04085	
May 31 2024	312.26729	1.05414	1.04831	1.05051	1.04107	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	

TREASURY INFLATION-PROTECTED SECURITIES (TIPS)
Ref CPI and Index Ratios for
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Security: Description: CUSIP Number: Dated Date: Original Issue Date: Additional Issue Date(s):			1-3/8% 10-Year TIPS Series D-2033 91282CHP9 July 15, 2023 July 31, 2023 September 29, 2023 November 30, 2023	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	2-1/8% 30-Year TIPS TIPS of February 2054 912810TY4 February 15, 2024 February 29, 2024
Maturity Date: Ref CPI on Dated Date:			July 15, 2033 303.70803	October 15, 2028 306.29390	January 15, 2034 307.39100	February 15, 2054 306.90376
Date	Ref CPI	Index Ratio	Index Ratio	Index Ratio	Index Ratio	
May 1 2024	310.32600	1.02179	1.01316	1.00955	1.01115	
May 2 2024	310.39071	1.02200	1.01338	1.00976	1.01136	
May 3 2024	310.45542	1.02222	1.01359	1.00997	1.01157	
May 4 2024	310.52013	1.02243	1.01380	1.01018	1.01178	
May 5 2024	310.58484	1.02264	1.01401	1.01039	1.01199	
May 6 2024	310.64955	1.02286	1.01422	1.01060	1.01221	
May 7 2024	310.71426	1.02307	1.01443	1.01081	1.01242	
May 8 2024	310.77897	1.02328	1.01464	1.01102	1.01263	
May 9 2024	310.84368	1.02350	1.01485	1.01123	1.01284	
May 10 2024	310.90839	1.02371	1.01507	1.01144	1.01305	
May 11 2024	310.97310	1.02392	1.01528	1.01165	1.01326	
May 12 2024	311.03781	1.02413	1.01549	1.01186	1.01347	
May 13 2024	311.10252	1.02435	1.01570	1.01207	1.01368	
May 14 2024	311.16723	1.02456	1.01591	1.01228	1.01389	
May 15 2024	311.23194	1.02477	1.01612	1.01250	1.01410	
May 16 2024	311.29665	1.02499	1.01633	1.01271	1.01431	
May 17 2024	311.36135	1.02520	1.01654	1.01292	1.01452	
May 18 2024	311.42606	1.02541	1.01676	1.01313	1.01474	
May 19 2024	311.49077	1.02563	1.01697	1.01334	1.01495	
May 20 2024	311.55548	1.02584	1.01718	1.01355	1.01516	
May 21 2024	311.62019	1.02605	1.01739	1.01376	1.01537	
May 22 2024	311.68490	1.02626	1.01760	1.01397	1.01558	
May 23 2024	311.74961	1.02648	1.01781	1.01418	1.01579	
May 24 2024	311.81432	1.02669	1.01802	1.01439	1.01600	
May 25 2024	311.87903	1.02690	1.01823	1.01460	1.01621	
May 26 2024	311.94374	1.02712	1.01845	1.01481	1.01642	
May 27 2024	312.00845	1.02733	1.01866	1.01502	1.01663	
May 28 2024	312.07316	1.02754	1.01887	1.01523	1.01684	
May 29 2024	312.13787	1.02776	1.01908	1.01544	1.01705	
May 30 2024	312.20258	1.02797	1.01929	1.01565	1.01727	
May 31 2024	312.26729	1.02818	1.01950	1.01586	1.01748	
CPI-U (NSA) for:			January 2024 308.417	February 2024 310.326	March 2024 312.332	