

## I. Yields

### 3. Yields of current Federal securities

% per annum

End of year or month or trading day	Daily yield of the current two-year Federal Treasury notes	Daily yield of the current five-year Federal notes	Daily yield of the current 7 year Federal bond	Daily yield of the current 10 year Federal bond	Daily yield of the current 15 year Federal bond	Daily yield of the current 30 year Federal bond
2007	.	4.16	.	4.37	.	4.63
2008	.	2.31	.	2.94	.	3.52
2009	.	2.40	.	3.37	.	4.09
2010	.	1.84	.	2.98	.	3.42
2011	.	0.77	.	1.83	.	2.37
2012	.	0.30	.	1.30	.	2.14
2013	.	0.95	.	1.96	.	2.77
2014	– 0.10	0.02	.	0.56	.	1.41
2015	– 0.34	– 0.03	.	0.64	.	1.50
2016	– 0.79	– 0.55	.	0.19	.	0.92
2017	– 0.62	– 0.20	.	0.42	.	1.25
2018	– 0.63	– 0.33	.	0.23	.	0.86
2019	– 0.62	– 0.49	.	0.21	.	0.33
2020	– 0.71	– 0.73	– 0.68	– 0.56	– 0.38	– 0.15
2021	– 0.64	– 0.47	– 0.38	– 0.21	– 0.01	– 0.15
2022	2.71	2.53	2.49	2.51	2.61	2.46
2023	2.39	1.94	1.93	2.02	2.23	2.26
2020 Oct.	– 0.80	– 0.83	– 0.76	– 0.63	– 0.44	– 0.22
Nov.	– 0.76	– 0.77	– 0.71	– 0.59	– 0.40	– 0.19
Dec.	– 0.71	– 0.73	– 0.68	– 0.56	– 0.38	– 0.15
2021 Jan.	– 0.74	– 0.73	– 0.68	– 0.52	– 0.34	– 0.07
Feb.	– 0.66	– 0.56	– 0.47	– 0.25	– 0.06	– 0.20
Mar.	– 0.69	– 0.62	– 0.51	– 0.27	– 0.02	– 0.28
Apr.	– 0.69	– 0.57	– 0.37	– 0.20	– 0.09	– 0.35
May	– 0.66	– 0.55	– 0.34	– 0.16	– 0.14	– 0.40
June	– 0.66	– 0.58	– 0.38	– 0.19	– 0.07	– 0.31
July	– 0.76	– 0.73	– 0.62	– 0.45	– 0.18	– 0.04
Aug.	– 0.74	– 0.70	– 0.60	– 0.43	– 0.19	– 0.05
Sep.	– 0.70	– 0.56	– 0.41	– 0.22	– 0.03	– 0.27
Oct.	– 0.62	– 0.41	– 0.26	– 0.10	– 0.05	– 0.18
Nov.	– 0.77	– 0.65	– 0.53	– 0.36	– 0.17	– 0.03
Dec.	– 0.64	– 0.47	– 0.38	– 0.21	– 0.01	– 0.15
2022 Jan.	– 0.57	– 0.26	– 0.21	– 0.02	– 0.12	– 0.26
Feb.	– 0.45	– 0.05	– 0.01	– 0.19	– 0.33	– 0.45
Mar.	– 0.04	– 0.43	– 0.47	– 0.60	– 0.69	– 0.71
Apr.	0.23	0.69	0.73	0.90	1.07	1.03
May	0.45	0.79	0.86	1.07	1.31	1.33
June	0.70	1.14	1.21	1.44	1.68	1.66
July	0.30	0.60	0.63	0.91	1.14	1.16
Aug.	1.17	1.36	1.35	1.54	1.69	1.63
Sep.	1.75	1.96	1.96	2.12	2.24	2.08
Oct.	1.94	2.03	2.11	2.15	2.32	2.21
Nov.	2.15	1.98	1.91	1.94	2.01	1.82
Dec.	2.71	2.53	2.49	2.51	2.61	2.46
2023 Jan.	2.65	2.32	2.27	2.30	2.38	2.24
Feb.	3.14	2.73	2.67	2.64	2.74	2.59
Mar.	2.74	2.42	2.37	2.36	2.49	2.38
Apr.	2.69	2.35	2.33	2.36	2.52	2.45
May	2.72	2.27	2.25	2.27	2.48	2.44
June	3.20	2.58	2.51	2.44	2.54	2.45
July	3.07	2.57	2.52	2.52	2.66	2.59
Aug.	3.00	2.51	2.48	2.50	2.65	2.62
Sep.	3.23	2.81	2.80	2.86	3.01	3.02
Oct.	3.00	2.64	2.67	2.78	3.01	3.05
Nov.	2.78	2.33	2.33	2.42	2.64	2.67
Dec.	2.39	1.94	1.93	2.02	2.23	2.26
2024 Jan.	2.50	2.12	2.13	2.22	2.40	2.44
Feb.	2.97	2.52	2.47	2.51	2.64	2.62
Mar.	2.86	2.35	2.29	2.31	2.46	2.47
Apr.	2.98	2.57	2.52	2.55	2.73	2.67
May	3.12	2.74	2.69	2.70	2.88	2.81
June	2.81	2.46	2.43	2.46	2.68	2.65
July	2.54	2.25	2.25	2.33	2.56	2.56
Aug.	2.35	2.15	2.15	2.26	2.53	2.50
Sep.	2.11	1.99	2.02	2.16	2.47	2.49
Oct.	2.27	2.28	2.29	2.41	2.66	2.64
2024 Oct. 7	2.25	2.13	2.15	2.25	2.54	2.52
8	2.23	2.11	2.13	2.25	2.55	2.54
9	2.22	2.09	2.12	2.23	2.53	2.52
10	2.28	2.14	2.16	2.27	2.55	2.55
11	2.25	2.13	2.16	2.29	2.57	2.58
14	2.24	2.12	2.15	2.26	2.54	2.55
15	2.22	2.09	2.12	2.23	2.51	2.52
16	2.18	2.05	2.08	2.19	2.48	2.49
17	2.19	2.07	2.09	2.21	2.49	2.51
18	2.12	2.04	2.07	2.21	2.49	2.52
21	2.13	2.06	2.09	2.24	2.53	2.56
22	2.16	2.14	2.17	2.32	2.61	2.64
23	2.11	2.12	2.16	2.32	2.61	2.64
24	2.06	2.08	2.12	2.27	2.57	2.60
25	2.10	2.10	2.13	2.28	2.57	2.59
28	2.08	2.10	2.14	2.29	2.58	2.60
29	2.12	2.14	2.17	2.32	2.61	2.62
30	2.15	2.15	2.18	2.31	2.58	2.58
31	2.27	2.28	2.29	2.41	2.66	2.64
Nov. 1	2.26	2.27	2.29	2.40	2.65	2.64
4	2.28	2.29	2.32	2.43	2.66	2.63
5	2.28	2.28	2.30	2.42	2.64	2.62

I. Yields

still: 3. Yields of current Federal securities - average, highest and lowest rates

% p.a.

Period	Daily yield of the current two-year Federal Treasury notes			Daily yield of the current five-year Federal notes			Daily yield of the current 7 year Federal bond		
	Average rate	Lowest rate	Highest rate	Average rate	Lowest rate	Highest rate	Average rate	Lowest rate	Highest rate
2007	.	.	.	4.14	3.76	4.64	.	.	.
2008	.	.	.	3.71	2.31	4.75	.	.	.
2009	.	.	.	2.39	2.01	2.87	.	.	.
2010	.	.	.	1.79	1.18	2.45	.	.	.
2011	.	.	.	1.83	0.77	2.81	.	.	.
2012	.	.	.	0.57	0.25	1.07	.	.	.
2013	.	.	.	0.63	0.28	1.08	.	.	.
2014	0.04	0.10	0.23	0.40	0.02	0.95	.	.	.
2015	0.25	0.45	0.11	0.01	0.21	0.25	.	.	.
2016	0.59	0.84	0.36	0.41	0.63	0.08	.	.	.
2017	0.72	0.96	0.58	0.34	0.59	0.08	.	.	.
2018	0.59	0.82	0.50	0.14	0.40	0.13	.	.	.
2019	0.67	0.94	0.51	0.55	0.96	0.27	.	.	.
2020	0.71	1.02	0.59	0.68	0.96	0.46	0.64	0.77	0.42
2021	0.70	0.79	0.60	0.62	0.77	0.40	0.49	0.72	0.25
2022	0.74	0.78	2.71	0.98	0.44	2.53	1.02	0.36	2.49
2023	2.89	2.24	3.34	2.47	1.87	2.86	2.44	1.84	2.90
2020 Oct.	0.75	0.80	0.70	0.77	0.83	0.71	0.71	0.76	0.64
Nov.	0.76	0.81	0.72	0.77	0.83	0.70	0.70	0.77	0.62
Dec.	0.75	0.79	0.71	0.77	0.81	0.72	0.70	0.75	0.65
2021 Jan.	0.72	0.75	0.70	0.73	0.77	0.69	0.68	0.72	0.63
Feb.	0.71	0.73	0.66	0.66	0.73	0.56	0.59	0.68	0.47
Mar.	0.70	0.72	0.67	0.64	0.69	0.60	0.54	0.60	0.51
Apr.	0.70	0.72	0.68	0.62	0.66	0.57	0.50	0.56	0.37
May	0.67	0.70	0.65	0.55	0.61	0.49	0.34	0.40	0.27
June	0.67	0.70	0.65	0.59	0.64	0.56	0.38	0.45	0.36
July	0.70	0.76	0.67	0.65	0.74	0.57	0.52	0.62	0.39
Aug.	0.75	0.79	0.74	0.73	0.77	0.70	0.64	0.67	0.59
Sep.	0.71	0.73	0.69	0.63	0.69	0.54	0.49	0.57	0.39
Oct.	0.67	0.71	0.62	0.50	0.59	0.41	0.34	0.43	0.25
Nov.	0.73	0.78	0.60	0.56	0.65	0.40	0.44	0.53	0.26
Dec.	0.70	0.74	0.64	0.57	0.63	0.47	0.48	0.55	0.38
2022 Jan.	0.60	0.65	0.57	0.36	0.44	0.26	0.27	0.36	0.21
Feb.	0.40	0.50	0.24	0.03	0.24	0.08	0.02	0.20	0.12
Mar.	0.39	0.78	0.00	0.05	0.39	0.50	0.11	0.30	0.51
Apr.	0.08	0.11	0.26	0.56	0.34	0.74	0.62	0.37	0.80
May	0.29	0.06	0.45	0.69	0.54	0.81	0.78	0.66	0.92
June	0.88	0.51	1.21	1.26	0.84	1.65	1.31	0.91	1.64
July	0.47	0.30	0.65	0.86	0.60	1.09	0.89	0.63	1.14
Aug.	0.66	0.18	1.17	0.86	0.42	1.36	0.85	0.45	1.35
Sep.	1.51	1.02	1.96	1.68	1.32	2.22	1.66	1.32	2.20
Oct.	1.88	1.47	2.18	2.04	1.61	2.34	2.08	1.62	2.40
Nov.	2.12	1.88	2.30	2.03	1.86	2.23	2.05	1.83	2.28
Dec.	2.31	1.96	2.71	2.11	1.74	2.53	2.08	1.75	2.49
2023 Jan.	2.59	2.49	2.68	2.26	2.08	2.48	2.21	2.02	2.44
Feb.	2.80	2.52	3.14	2.45	2.15	2.73	2.39	2.11	2.67
Mar.	2.81	2.24	3.34	2.45	1.97	2.86	2.41	1.97	2.79
Apr.	2.78	2.47	2.95	2.40	2.13	2.55	2.37	2.11	2.53
May	2.69	2.52	2.89	2.33	2.18	2.50	2.32	2.18	2.49
June	3.00	2.75	3.20	2.47	2.29	2.60	2.41	2.25	2.53
July	3.14	2.98	3.28	2.58	2.41	2.75	2.52	2.35	2.69
Aug.	3.02	2.91	3.13	2.58	2.48	2.72	2.55	2.43	2.68
Sep.	3.16	2.96	3.31	2.68	2.48	2.85	2.66	2.45	2.86
Oct.	3.12	3.00	3.22	2.74	2.64	2.86	2.77	2.65	2.90
Nov.	2.99	2.78	3.08	2.56	2.33	2.67	2.56	2.33	2.71
Dec.	2.55	2.38	2.77	2.08	1.87	2.34	2.06	1.84	2.34
2024 Jan.	2.58	2.44	2.72	2.14	1.98	2.27	2.13	1.97	2.28
Feb.	2.73	2.47	2.97	2.32	2.10	2.52	2.30	2.10	2.47
Mar.	2.86	2.76	2.95	2.38	2.28	2.48	2.33	2.23	2.43
Apr.	2.92	2.84	3.02	2.46	2.35	2.61	2.42	2.31	2.57
May	2.98	2.89	3.12	2.57	2.47	2.74	2.51	2.41	2.69
June	2.90	2.76	3.08	2.52	2.38	2.69	2.48	2.34	2.65
July	2.79	2.54	2.94	2.45	2.25	2.60	2.43	2.25	2.58
Aug.	2.39	2.25	2.51	2.14	2.02	2.22	2.14	2.03	2.21
Sep.	2.21	2.08	2.42	2.04	1.96	2.22	2.06	1.98	2.23
Oct.	2.16	2.04	2.28	2.08	1.90	2.28	2.11	1.92	2.29

## I. Yields

### still: 3. Yields of current Federal securities - average, highest and lowest rates

% p.a.

Period	Daily yield of the current 10 year Federal bond			Daily yield of the current 15 year Federal bond			Daily yield of the current 30 year Federal bond		
	Average rate	Lowest rate	Highest rate	Average rate	Lowest rate	Highest rate	Average rate	Lowest rate	Highest rate
2007	4.23	3.88	4.68	.	.	.	4.42	4.03	4.83
2008	4.01	2.93	4.68	.	.	.	4.49	3.18	4.89
2009	3.27	2.91	3.70	.	.	.	4.03	3.53	4.49
2010	2.77	2.10	3.41	.	.	.	3.43	2.60	4.13
2011	2.65	1.68	3.49	.	.	.	3.26	2.37	3.97
2012	1.57	1.13	2.06	.	.	.	2.31	1.67	2.67
2013	1.63	1.19	2.06	.	.	.	2.47	2.07	2.79
2014	1.24	0.56	1.95	.	.	.	2.14	1.41	2.76
2015	0.54	0.07	1.01	.	.	.	1.22	0.46	1.74
2016	0.13	0.20	0.59	.	.	.	0.78	0.30	1.43
2017	0.38	0.17	0.59	.	.	.	1.17	0.90	1.37
2018	0.47	0.21	0.78	.	.	.	1.13	0.84	1.42
2019	0.21	0.74	0.29	.	.	.	0.37	0.27	0.88
2020	0.48	0.83	0.17	0.31	0.47	0.04	0.04	0.50	0.36
2021	0.31	0.61	0.08	0.08	0.43	0.22	0.15	0.20	0.48
2022	1.18	0.18	2.51	1.34	0.01	2.67	1.32	0.14	2.55
2023	2.46	1.92	2.97	2.61	2.12	3.16	2.56	1.97	3.18
2020 Oct.	0.57	0.64	0.51	0.38	0.46	0.31	0.16	0.24	0.08
2020 Nov.	0.58	0.65	0.48	0.39	0.47	0.28	0.17	0.26	0.05
2020 Dec.	0.58	0.63	0.52	0.40	0.46	0.32	0.17	0.23	0.10
2021 Jan.	0.53	0.61	0.48	0.37	0.43	0.31	0.12	0.20	0.06
2021 Feb.	0.40	0.51	0.25	0.20	0.34	0.05	0.08	0.08	0.24
2021 Mar.	0.32	0.37	0.26	0.04	0.11	0.04	0.21	0.16	0.29
2021 Apr.	0.27	0.33	0.20	0.02	0.04	0.09	0.28	0.22	0.35
2021 May	0.16	0.23	0.09	0.13	0.06	0.22	0.40	0.33	0.48
2021 June	0.20	0.29	0.16	0.08	0.02	0.12	0.32	0.25	0.38
2021 July	0.34	0.45	0.19	0.09	0.19	0.07	0.14	0.04	0.31
2021 Aug.	0.46	0.50	0.41	0.22	0.27	0.16	0.01	0.06	0.06
2021 Sep.	0.31	0.39	0.20	0.05	0.14	0.06	0.20	0.10	0.30
2021 Oct.	0.15	0.23	0.08	0.07	0.03	0.12	0.28	0.13	0.38
2021 Nov.	0.25	0.36	0.10	0.08	0.17	0.04	0.07	0.03	0.17
2021 Dec.	0.33	0.39	0.21	0.15	0.23	0.01	0.01	0.11	0.15
2022 Jan.	0.06	0.18	0.01	0.09	0.01	0.15	0.25	0.17	0.30
2022 Feb.	0.19	0.01	0.31	0.31	0.13	0.44	0.42	0.27	0.56
2022 Mar.	0.32	0.07	0.65	0.45	0.06	0.73	0.50	0.14	0.75
2022 Apr.	0.78	0.49	0.95	0.90	0.61	1.07	0.91	0.64	1.08
2022 May	0.99	0.89	1.13	1.18	1.07	1.31	1.16	1.05	1.33
2022 June	1.49	1.12	1.78	1.70	1.35	1.96	1.69	1.38	1.92
2022 July	1.17	0.91	1.40	1.40	1.14	1.66	1.42	1.16	1.68
2022 Aug.	1.09	0.73	1.54	1.28	0.97	1.69	1.28	1.00	1.63
2022 Sep.	1.82	1.55	2.33	1.95	1.72	2.40	1.83	1.68	2.20
2022 Oct.	2.21	1.81	2.48	2.39	1.98	2.67	2.25	1.85	2.55
2022 Nov.	2.08	1.83	2.33	2.21	1.95	2.45	2.07	1.79	2.32
2022 Dec.	2.10	1.76	2.51	2.16	1.83	2.61	1.96	1.62	2.46
2023 Jan.	2.23	2.02	2.48	2.32	2.12	2.58	2.17	1.97	2.44
2023 Feb.	2.40	2.14	2.64	2.49	2.26	2.74	2.36	2.18	2.59
2023 Mar.	2.40	2.02	2.76	2.51	2.17	2.84	2.40	2.11	2.68
2023 Apr.	2.38	2.13	2.52	2.52	2.29	2.65	2.45	2.23	2.56
2023 May	2.36	2.24	2.52	2.55	2.40	2.72	2.52	2.36	2.68
2023 June	2.39	2.28	2.49	2.55	2.44	2.65	2.50	2.38	2.61
2023 July	2.49	2.34	2.66	2.59	2.46	2.75	2.51	2.35	2.67
2023 Aug.	2.57	2.46	2.70	2.71	2.60	2.82	2.66	2.55	2.77
2023 Sep.	2.68	2.48	2.92	2.84	2.63	3.08	2.83	2.60	3.10
2023 Oct.	2.85	2.72	2.97	3.05	2.92	3.16	3.07	2.92	3.18
2023 Nov.	2.63	2.42	2.83	2.85	2.64	3.07	2.85	2.67	3.12
2023 Dec.	2.12	1.92	2.43	2.32	2.12	2.64	2.33	2.16	2.67
2024 Jan.	2.22	2.07	2.37	2.41	2.28	2.54	2.43	2.31	2.55
2024 Feb.	2.36	2.17	2.51	2.53	2.36	2.64	2.53	2.37	2.62
2024 Mar.	2.36	2.26	2.46	2.51	2.41	2.61	2.51	2.42	2.60
2024 Apr.	2.46	2.35	2.60	2.63	2.51	2.78	2.60	2.52	2.74
2024 May	2.53	2.42	2.70	2.71	2.61	2.88	2.65	2.56	2.81
2024 June	2.49	2.37	2.66	2.69	2.58	2.84	2.65	2.54	2.79
2024 July	2.49	2.33	2.63	2.70	2.56	2.83	2.67	2.56	2.79
2024 Aug.	2.23	2.13	2.29	2.48	2.38	2.53	2.46	2.39	2.51
2024 Sep.	2.18	2.10	2.33	2.46	2.38	2.60	2.46	2.38	2.58
2024 Oct.	2.24	2.06	2.41	2.53	2.37	2.66	2.54	2.39	2.64