

Time-Loss Cost of Living Adjustments (COLAs) for injuries on or after 2014, older dates start on next page

Increment/Cumulative Factors

Per RCW 51.32.075 there will be no COLA to time-loss rates for dates of injury on or after July 1, 2011 until the 2nd July after the date of injury. These conditions do not apply to minimum or maximum time-loss rates; use the Minimum Time-Loss Rates chart or the Maximum Time-Loss Rates chart.

Date of Injury	Cost of Living Adjustment Rates for payment period									
	7/1/2014 through 6/30/2015	7/1/2015 through 6/30/2016	7/1/2016 through 6/30/2017	7/1/2017 through 6/30/2018	7/1/2018 through 6/30/2019	7/1/2019 through 6/30/2020	7/1/2020 through 6/30/2021	7/1/2021 through 6/30/2022	7/1/2022 through 6/30/2023	7/1/2023 through 6/30/2024
7-1-2014 through 6-30-2015 (inc) (cum)		1.00000 1.00000	1.02633 1.02633	1.04769 1.07527	1.04969 1.12870	1.05516 1.19095	1.06736 1.27117	1.10101 1.39957	1.07514 1.50473	1.02010 1.53497
7-1-2015 through 6-30-2016 (inc) (cum)			1.00000 1.00000	1.04769 1.04769	1.04969 1.09974	1.05516 1.16040	1.06736 1.23856	1.10101 1.36366	1.07514 1.46612	1.02010 1.49558
7-1-2016 through 6-30-2017 (inc) (cum)				1.00000 1.00000	1.04969 1.04969	1.05516 1.10759	1.06736 1.18219	1.10101 1.30160	1.07514 1.39940	1.02010 1.42752
7-1-2017 through 6-30-2018 (inc) (cum)					1.00000 1.00000	1.05516 1.05516	1.06736 1.12623	1.10101 1.23999	1.07514 1.33316	1.02010 1.35995
7-1-2018 through 6-30-2019 (inc) (cum)						1.00000 1.00000	1.06736 1.06736	1.10101 1.17517	1.07514 1.26347	1.02010 1.28886
7-1-2019 through 6-30-2020 (inc) (cum)							1.00000 1.00000	1.10101 1.10101	1.07514 1.18373	1.02010 1.20752
7-1-2020 through 6-30-2021 (inc) (cum)								1.00000 1.00000	1.07514 1.07514	1.02010 1.09675
7-1-2021 through 6-30-2022 (inc) (cum)									1.00000 1.00000	1.02010 1.02010
7-1-2022 through 6-30-2023 (inc) (cum)										1.00000 1.00000

Questions? Contact the Self-Insurance Training Unit at SITrainerQuestions@lni.wa.gov

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/86 – 6/30/87	7/1/87 – 6/30/88	7/1/88 – 6/30/89	7/1/89 – 6/30/90	7/1/90 – 6/30/91	7/1/91 – 6/30/92	7/1/92 – 6/30/93	7/1/93 – 6/30/94
7/1/71-6/30/72 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	2.40937	2.49981	2.55484	2.64864	2.75340	2.88637	3.05143	3.26387
7/1/72-6/30/73 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	2.29917	2.38547	2.43798	2.52749	2.62746	2.75435	2.91185	3.11458
7/1/73-6/30/74 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	2.22396	2.30744	2.35823	2.44481	2.54151	2.66425	2.81660	3.01270
7/1/74-6/30/75 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	2.08672	2.16505	2.21271	2.29395	2.38468	2.49984	2.64280	2.82679
7/1/75-6/30/76 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.94054	2.01338	2.05770	2.13332	2.21762	2.32472	2.45766	2.62876
7/1/76-6/30/77 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.77023	1.83668	1.87711	1.94603	2.02300	2.12070	2.24197	2.39805
7/1/77-6/30/78 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.65083	1.71280	1.85050	1.81477	1.88655	1.97766	2.09075	2.23630
7/1/78-6/30/79 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.53852	1.59627	1.63141	1.69130	1.75820	1.84311	1.94851	2.08416
7/1/79-6/30/80 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.44317	1.49734	1.53030	1.58648	1.64923	1.72888	1.82744	1.95499
7/1/80-6/30/81 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.31777	1.36724	1.39733	1.44863	1.50593	1.57866	1.66893	1.78512
7/1/81-6/30/82 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.20756	1.25289	1.28047	1.32748	1.37998	1.44663	1.52935	1.63583
7/1/82-6/30/83 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.10940	1.15105	1.17638	1.21957	1.26781	1.32904	1.40504	1.50286
7/1/83-6/30/84 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.06529	1.10528	1.12961	1.17108	1.21740	1.27620	1.34917	1.44310
7/1/84-6/30/85 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.05222	1.09172	1.11575	1.15671	1.20246	1.26053	1.33262	1.42539
7/1/85-6/30/86 (inc)	1.03355	1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)	1.03355	1.07235	1.09595	1.13619	1.18113	1.23817	1.30898	1.40011
7/1/86-6/30/87 (inc)		1.03754	1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)		1.03754	1.06038	1.09930	1.14279	1.19798	1.26648	1.35465
7/1/87-6/30/88 (inc)			1.02201	1.03672	1.03955	1.04829	1.05718	1.06963
(cum)			1.02201	1.05953	1.10144	1.15463	1.22066	1.30564
7/1/88-6/30/89 (inc)				1.03672	1.03955	1.04829	1.05718	1.06963
(cum)				1.03672	1.07772	1.12977	1.19437	1.27754
7/1/89-6/30/90 (inc)					1.03955	1.04829	1.05718	1.06963
(cum)					1.03955	1.08975	1.15207	1.23230

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/94 – 6/30/95	7/1/95 – 6/30/96	7/1/96 – 6/30/97	7/1/97 – 6/30/98	7/1/98 – 6/30/99	7/1/99 – 6/30/00	7/1/00 – 6/30/01	7/1/01 – 6/30/02
7/1/71-6/30/72 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	3.28684	3.35757	3.50043	3.68427	3.92714	4.23415	4.58820	4.75296
7/1/72-6/30/73 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	3.13649	3.20398	3.34032	3.51573	3.74749	4.04045	4.37833	4.53554
7/1/73-6/30/74 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	3.03389	3.09917	3.23106	3.40073	3.62491	3.90829	4.23512	4.38718
7/1/74-6/30/75 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	2.84668	2.90794	3.03166	3.19089	3.40123	3.66713	3.97377	4.11647
7/1/75-6/30/76 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	2.64726	2.70422	2.81939	2.96734	3.16295	3.41021	3.69537	3.82807
7/1/76-6/30/77 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	2.41492	2.46688	2.57187	2.70691	2.88535	3.11092	3.37105	3.49210
7/1/77-6/30/78 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	2.25204	2.30050	2.39840	2.52434	2.69074	2.90110	3.14368	3.25657
7/1/78-6/30/79 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	2.09883	2.14399	2.23522	2.35260	2.50768	2.70373	2.92981	3.03502
7/1/79-6/30/80 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.96874	2.01110	2.09669	2.20678	2.35225	2.53614	2.74821	2.84690
7/1/80-6/30/81 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.79767	1.83635	1.91451	2.01502	2.14785	2.31576	2.50940	2.59951
7/1/81-6/30/82 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.64733	1.68278	1.75439	1.84652	1.96824	2.12211	2.29956	2.38214
7/1/82-6/30/83 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.51343	1.54599	1.61179	1.69642	1.80825	1.94960	2.11262	2.18848
7/1/83-6/30/84 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.45325	1.48452	1.54770	1.62896	1.73634	1.87208	2.02862	2.10147
7/1/84-6/30/85 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.43543	1.46632	1.52871	1.60899	1.71505	1.84913	2.00375	2.07570
7/1/85-6/30/86 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.40996	1.44030	1.50159	1.58044	1.68462	1.18632	1.96820	2.03888
7/1/86-6/30/87 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.36418	1.39353	1.45284	1.52912	1.62992	1.75734	1.90428	1.97266
7/1/87-6/30/88 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.31482	1.34311	1.40028	1.47379	1.57094	1.69375	1.83538	1.90129
7/1/88-6/30/89 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.28651	1.31419	1.37010	1.44205	1.53711	1.65728	1.79586	1.86035
7/1/89-6/30/90 (inc)	1.00703	1.02152	1.04255	1.05252	1.06592	1.07818	1.08362	1.03591
(cum)	1.24094	1.26764	1.32158	1.39097	1.48266	1.59857	1.73224	1.79444

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/02 – 6/30/03	7/1/03 – 6/30/04	7/1/04 – 6/30/05	7/1/05 – 6/30/06	7/1/06 – 6/30/07	7/1/07 – 6/30/08	7/1/08 – 6/30/09	7/1/09 – 6/30/10
7/1/71-6/30/72 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	4.79673	4.88834	4.99837	5.02982	5.20334	5.48666	5.76198	5.95973
7/1/72-6/30/73 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	4.57731	4.66473	4.76973	4.79972	4.96531	5.23567	5.49839	5.68709
7/1/73-6/30/74 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	4.42758	4.51214	4.61370	4.64272	4.80289	5.06440	5.31853	5.50106
7/1/74-6/30/75 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	4.15438	4.23372	4.32902	4.35623	4.50652	4.75190	4.99035	5.16161
7/1/75-6/30/76 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	3.86332	3.93710	4.02572	4.05104	4.19080	4.41899	4.64072	4.79999
7/1/76-6/30/77 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	3.52426	3.59157	3.67241	3.69550	3.82299	4.03115	4.23343	4.37872
7/1/77-6/30/78 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	3.28656	3.34933	3.42472	3.44627	3.56516	3.75928	3.94792	4.08341
7/1/78-6/30/79 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	3.06297	3.12147	3.19173	3.21179	3.32259	3.50350	3.67930	3.80557
7/1/79-6/30/80 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.87311	2.92798	2.99388	3.01271	3.11664	3.28634	3.45124	3.56968
7/1/80-6/30/81 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.62345	2.67355	2.73373	2.75092	2.84582	3.00077	3.15134	3.25949
7/1/81-6/30/82 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.40407	2.44998	2.50512	2.52086	2.60783	2.74982	2.88780	2.98690
7/1/82-6/30/83 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.20863	2.25081	2.30147	2.31594	2.39584	2.52629	2.65305	2.74410
7/1/83-6/30/84 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.12082	2.16132	2.20997	2.22386	2.30058	2.42584	2.54756	2.63499
7/1/84-6/30/85 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.09481	2.13482	2.18287	2.19660	2.27238	2.39611	2.51634	2.60270
7/1/85-6/30/86 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	2.05765	2.09695	2.14415	2.15762	2.23205	2.35358	2.47168	2.55650
7/1/86-6/30/87 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	1.99082	2.02884	2.07450	2.08754	2.15956	2.27714	2.39140	2.47347
7/1/87-6/30/88 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	1.91880	1.95544	1.99945	2.01201	2.08142	2.19475	2.30488	2.38398
7/1/88-6/30/89 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	1.87748	1.91333	1.95640	1.96869	2.03661	2.14750	2.25526	2.33266
7/1/89-6/30/90 (inc)	1.00921	1.01910	1.02251	1.00629	1.03450	1.05445	1.05018	1.03432
(cum)	1.81096	1.84554	1.88708	1.89895	1.96446	2.07142	2.17536	2.25001

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

* Per [RCW 51.32.075](#) there is no COLA for the period from 7/1/11 through 6/30/12

Note: This does not apply to minimum or maximum time-loss rates; instead use the [Minimum Time-Loss Rates](#) chart or the [Maximum Time-Loss Rates](#) chart.

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/10 – 6/30/11	7/1/11 – 6/30/12*	7/1/12 – 6/30/13	7/1/13 – 6/30/14	7/1/14 – 6/30/15	7/1/15 – 6/30/16	7/1/16 – 6/30/17	7/1/17– 6/30/18
7/1/71-6/30/72 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	6.07528	6.07528	6.29374	6.50829	6.63949	6.91622	7.09832	7.43683
7/1/72-6/30/73 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	5.79736	5.79736	6.00583	6.21056	6.33576	6.59983	6.77360	7.09663
7/1/73-6/30/74 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	5.60772	5.60772	5.80937	6.00741	6.12851	6.38394	6.55202	6.86448
7/1/74-6/30/75 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	5.26169	5.26169	5.45090	5.63672	5.75035	5.99002	6.14773	6.44091
7/1/75-6/30/76 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	4.89306	4.89306	5.06901	5.24181	5.34748	5.57036	5.71702	5.98966
7/1/76-6/30/77 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	4.46362	4.46362	4.62413	4.78176	4.87816	5.08148	5.21527	5.46398
7/1/77-6/30/78 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	4.16258	4.16258	4.31226	4.45926	4.54915	4.73875	4.86352	5.09546
7/1/78-6/30/79 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	3.87936	3.87936	4.01886	4.15586	4.23964	4.41634	4.53262	4.74878
7/1/79-6/30/80 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	3.63889	3.63889	3.76974	3.89825	3.97683	4.14258	4.25165	4.45441
7/1/80-6/30/81 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	3.32269	3.32269	3.44217	3.55951	3.63127	3.78262	3.88221	4.06735
7/1/81-6/30/82 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	3.04481	3.04481	3.15430	3.26183	3.32758	3.46627	3.55753	3.72718
7/1/82-6/30/83 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.79730	2.79730	2.89789	2.99667	3.05708	3.18449	3.26833	3.42419
7/1/83-6/30/84 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.68608	2.68608	2.78267	2.87753	2.93554	3.05789	3.13840	3.28807
7/1/84-6/30/85 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.65316	2.65316	2.74856	2.84225	2.89955	3.02040	3.09992	3.24775
7/1/85-6/30/86 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.60607	2.60607	2.69978	2.79181	2.84809	2.96679	3.04490	3.19011
7/1/86-6/30/87 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.52143	2.52143	2.61210	2.70114	2.75559	2.87044	2.94601	3.08650
7/1/87-6/30/88 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.43020	2.43020	2.51759	2.60341	2.65589	2.76658	2.83942	2.97483
7/1/88-6/30/89 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.37789	2.37789	2.46339	2.54736	2.59871	2.70702	2.77829	2.91078
7/1/89-6/30/90 (inc)	1.01939	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769
(cum)	2.29363	2.29363	2.37610	2.45710	2.50663	2.61110	2.67985	2.80765

**Time-Loss Cost of Living Adjustments
for Injuries Occurring On or After July 1, 1971**

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates								
	7/1/18- 6/30/19	7/1/19- 6/30/20	7/1/20- 6/30/21	7/1/21- 6/30/22	7/1/22- 6/30/23	7/1/23- 6/30/24			
7/1/71-6/30/72 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	7.80636	8.23695	8.79179	9.67984	10.40718	10.61636			
7/1/72-6/30/73 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	7.44926	7.86016	8.38962	9.23705	9.93112	10.13073			
7/1/73-6/30/74 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	7.20557	7.60302	8.11515	8.93486	9.60622	9.79930			
7/1/74-6/30/75 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	6.76095	7.13388	7.61441	8.38354	9.01347	9.19464			
7/1/75-6/30/76 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	6.28728	6.63408	7.08095	7.79619	8.38199	8.55046			
7/1/76-6/30/77 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	5.73548	6.05184	6.45949	7.11196	7.64635	7.80004			
7/1/77-6/30/78 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	5.34865	5.64368	6.02383	6.63229	7.13064	7.27396			
7/1/78-6/30/79 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	4.98474	5.25969	5.61398	6.18104	6.64548	6.77905			
7/1/79-6/30/80 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	4.67574	4.93364	5.26596	5.79787	6.23352	6.35881			
7/1/80-6/30/81 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	4.26945	4.50495	4.80840	5.29409	5.69188	5.80628			
7/1/81-6/30/82 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.91238	4.12818	4.40625	4.85132	5.21584	5.32067			
7/1/82-6/30/83 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.59433	3.79259	4.04805	4.45694	4.79183	4.88814			
7/1/83-6/30/84 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.45145	3.64183	3.88714	4.27978	4.60136	4.69384			
7/1/84-6/30/85 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.40913	3.59717	3.83947	4.22729	4.54492	4.63627			
7/1/85-6/30/86 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.34862	3.53332	3.77132	4.15226	4.46426	4.55399			
7/1/86-6/30/87 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.23986	3.41857	3.64884	4.01740	4.31926	4.40607			
7/1/87-6/30/88 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.12264	3.29488	3.51682	3.87205	4.16299	4.24666			
7/1/88-6/30/89 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	3.05541	3.22394	3.44110	3.78868	4.07336	4.15523			
7/1/89-6/30/90 (inc)	1.04969	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	2.94716	3.10972	3.31919	3.65446	3.92905	4.00802			

**Time-Loss Cost of Living Adjustments
for Injuries Occurring On or After July 1, 1971**

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/91 – 6/30/92	7/1/92 – 6/30/93	7/1/93 – 6/30/94	7/1/94 – 6/30/95	7/1/95 – 6/30/96	7/1/96 – 6/30/97	7/1/97 – 6/30/98	7/1/98 – 6/30/99
7/1/90-6/30/91 (inc)	1.04829	1.05718	1.06963	1.00703	1.02152	1.04255	1.05252	1.06592
(cum)	1.04829	1.10824	1.18541	1.19373	1.21941	1.27130	1.33805	1.42625
7/1/91-6/30/92 (inc)		1.05718	1.06963	1.00703	1.02152	1.04255	1.05252	1.06592
(cum)		1.05718	1.13080	1.13873	1.16323	1.21273	1.27641	1.36055
7/1/92-6/30/93 (inc)			1.06963	1.00703	1.02152	1.04255	1.05252	1.06592
(cum)			1.06963	1.07714	1.10032	1.14713	1.20737	1.28696
7/1/93-6/30/94 (inc)				1.00703	1.02152	1.04255	1.05252	1.06592
(cum)				1.00703	1.02870	1.07247	1.12879	1.20320
7/1/94-6/30/95 (inc)					1.02152	1.04255	1.05252	1.06592
(cum)					1.02152	1.06498	1.12091	1.19480
7/1/95-6/30/96 (inc)						1.04255	1.05252	1.06592
(cum)						1.04255	1.09730	1.16963
7/1/96-6/30/97 (inc)							1.05252	1.06592
(cum)							1.05252	1.12190
7/1/97-6/30/98 (inc)								1.06592
(cum)								1.06592

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/99 – 6/30/00	7/1/00 – 6/30/01	7/1/01 – 6/30/02	7/1/02 – 6/30/03	7/1/03 – 6/30/04	7/1/04 – 6/30/05	7/1/05 – 6/30/06	7/1/06 – 6/30/07
7/1/90-6/30/91 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.53775	1.66634	1.72618	1.74207	1.77534	1.81530	1.82669	1.88971
7/1/91-6/30/92 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.46691	1.58957	1.64665	1.66181	1.69355	1.73167	1.74256	1.80267
7/1/92-6/30/93 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.38757	1.50360	1.55759	1.57193	1.60195	1.63801	1.64830	1.70516
7/1/93-6/30/94 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.29726	1.40574	1.45622	1.46963	1.49769	1.53141	1.54103	1.59419
7/1/94-6/30/95 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.28820	1.39592	1.44605	1.45936	1.48723	1.52070	1.53024	1.58303
7/1/95-6/30/96 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.26107	1.36652	1.41559	1.42862	1.45590	1.48867	1.49803	1.54971
7/1/96-6/30/97 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.20961	1.31076	1.35783	1.37033	1.39650	1.42793	1.43689	1.48646
7/1/97-6/30/98 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.14925	1.24535	1.29007	1.30195	1.32681	1.35667	1.36520	1.41229
7/1/98-6/30/99 (inc)	1.07818	1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)	1.07818	1.16834	1.21030	1.22144	1.24476	1.27279	1.28075	1.32493
7/1/99-6/30/00 (inc)		1.08362	1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)		1.08362	1.12253	1.13286	1.15449	1.18047	1.18789	1.22887
7/1/00-6/30/01 (inc)			1.03591	1.00921	1.01910	1.02251	1.00629	1.03450
(cum)			1.03591	1.04545	1.06541	1.08939	1.09624	1.13406
7/1/01-6/30/02 (inc)				1.00921	1.01910	1.02251	1.00629	1.03450
(cum)				1.00921	1.02848	1.05163	1.05824	1.09474
7/1/02-6/30/03 (inc)					1.01910	1.02251	1.00629	1.03450
(cum)					1.01910	1.04204	1.04859	1.08476
7/1/03-6/30/04 (inc)						1.02251	1.00629	1.03450
(cum)						1.02251	1.02894	1.06443
7/1/04-6/30/05 (inc)							1.00629	1.03450
(cum)							1.00629	1.04100
7/1/05-6/30/06 (inc)								1.03450
(cum)								1.03450

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

* Per [RCW 51.32.075](#) there is no COLA for the period from 7/1/11 through 6/30/12

Note: This does not apply to minimum or maximum time-loss rates; instead use the [Minimum Time-Loss Rates](#) chart or the [Maximum Time-Loss Rates](#) chart.

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/07 – 6/30/08	7/1/08 – 6/30/09	7/1/09 – 6/30/10	7/1/10 – 6/30/11	7/1/11 – 6/30/12*	7/1/12 – 6/30/13	7/1/13 – 6/30/14	7/1/14 – 6/30/15
7/1/90-6/30/91 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.99260	2.09258	2.16439	2.20635	2.20635	2.28569	2.36360	2.41125
7/1/91-6/30/92 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.90082	1.99620	2.06471	2.10474	2.10474	2.18042	2.25475	2.30020
7/1/92-6/30/93 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.79800	1.88822	1.95302	1.99088	1.99088	2.06247	2.13278	2.17577
7/1/93-6/30/94 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.68099	1.76534	1.82592	1.86132	1.86132	1.92825	1.99398	2.03417
7/1/94-6/30/95 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.66922	1.75298	1.81314	1.84829	1.84829	1.91475	1.98002	2.01993
7/1/95-6/30/96 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.63409	1.71608	1.77497	1.80938	1.80938	1.87444	1.93834	1.97741
7/1/96-6/30/97 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.56739	1.64604	1.70253	1.73554	1.73554	1.79795	1.85924	1.89672
7/1/97-6/30/98 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.48918	1.56390	1.61757	1.64893	1.64893	1.70822	1.76645	1.80206
7/1/98-6/30/99 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.39707	1.46717	1.51752	1.54694	1.54694	1.60256	1.65719	1.69059
7/1/99-6/30/00 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.29578	1.36080	1.40750	1.43479	1.43479	1.48638	1.53705	1.56803
7/1/00-6/30/01 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.19581	1.25581	1.29890	1.32408	1.32408	1.37169	1.41845	1.44704
7/1/01-6/30/02 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.15434	1.21226	1.25386	1.27817	1.27817	1.32413	1.36927	1.39687
7/1/02-6/30/03 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.14382	1.20121	1.24243	1.26652	1.26652	1.31206	1.35678	1.38413
7/1/03-6/30/04 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.12238	1.17870	1.21915	1.24278	1.24278	1.28747	1.33136	1.35820
7/1/04-6/30/05 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.09768	1.15276	1.19232	1.21543	1.21543	1.25913	1.30205	1.32829
7/1/05-6/30/06 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.09082	1.14555	1.18486	1.20783	1.20783	1.25126	1.29391	1.31999
7/1/06-6/30/07 (inc)	1.05445	1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)	1.05445	1.10736	1.14536	1.16756	1.16756	1.20954	1.25077	1.27598
7/1/07-6/30/08 (inc)		1.05018	1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)		1.05018	1.08622	1.10728	1.10728	1.14709	1.18619	1.21010
7/1/08-6/30/09 (inc)			1.03432	1.01939	1.00000	1.03596	1.03409	1.02016
(cum)			1.03432	1.05437	1.05437	1.09228	1.12951	1.15228
7/1/09-6/30/10 (inc)				1.01939	1.00000	1.03596	1.03409	1.02016
(cum)				1.01939	1.01939	1.05604	1.09204	1.11405

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/15 – 6/30/16	7/1/16 – 6/30/17	7/1/17– 6/30/18	7/1/18– 6/30/19	7/1/19– 6/30/20	7/1/20– 6/30/21	7/1/21– 6/30/22	7/1/22– 6/30/23
7/1/90-6/30/91 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	2.51175	2.57788	2.70081	2.83501	2.99138	3.19287	3.51538	3.77952
7/1/91-6/30/92 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	2.39607	2.45915	2.57642	2.70444	2.85361	3.04582	3.35347	3.60544
7/1/92-6/30/93 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	2.26645	2.32612	2.43705	2.55814	2.69924	2.88106	3.17207	3.41041
7/1/93-6/30/94 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	2.11895	2.17474	2.27845	2.39166	2.52358	2.69356	2.96563	3.18846
7/1/94-6/30/95 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	2.10412	2.15952	2.26250	2.37492	2.50592	2.67471	2.94488	3.16615
7/1/95-6/30/96 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	2.05982	2.11405	2.21486	2.32491	2.45315	2.61839	2.88287	3.09948
7/1/96-6/30/97 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.97577	2.02779	2.12449	2.23005	2.35305	2.51155	2.76524	2.97302
7/1/97-6/30/98 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.87716	1.92658	2.01845	2.11874	2.23560	2.38619	2.62721	2.82461
7/1/98-6/30/99 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.76105	1.80741	1.89360	1.98769	2.09733	2.23860	2.46472	2.64991
7/1/99-6/30/00 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.63338	1.67638	1.75632	1.84359	1.94528	2.07631	2.28603	2.45780
7/1/00-6/30/01 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.50735	1.54703	1.62080	1.70133	1.79517	1.91609	2.10963	2.26814
7/1/01-6/30/02 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.45509	1.49340	1.56462	1.64236	1.73295	1.84968	2.03651	2.18953
7/1/02-6/30/03 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.44182	1.47978	1.55035	1.62738	1.71714	1.83280	2.01793	2.16955
7/1/03-6/30/04 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.41480	1.45205	1.52129	1.59688	1.68496	1.79845	1.98011	2.12889
7/1/04-6/30/05 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.38365	1.42008	1.48780	1.56172	1.64786	1.75885	1.93651	2.08201
7/1/05-6/30/06 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.37500	1.41120	1.47850	1.55196	1.63756	1.74786	1.92441	2.06901
7/1/06-6/30/07 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.32916	1.36415	1.42920	1.50021	1.58296	1.68958	1.86024	2.00001
7/1/07-6/30/08 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.26053	1.29371	1.35540	1.42274	1.50121	1.60233	1.76418	1.89674
7/1/08-6/30/09 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.20030	1.23190	1.29064	1.35477	1.42949	1.52578	1.67989	1.80611
7/1/09-6/30/10 (inc)	1.04168	1.02633	1.04769	1.04969	1.05516	1.06736	1.10101	1.07514
(cum)	1.16048	1.19103	1.24783	1.30983	1.38208	1.47517	1.62417	1.74621

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/23 – 6/30/24							
7/1/90-6/30/91 (inc) (cum)	1.02010 3.85548							
7/1/91-6/30/92 (inc) (cum)	1.02010 3.67790							
7/1/92-6/30/93 (inc) (cum)	1.02010 3.47895							
7/1/93-6/30/94 (inc) (cum)	1.02010 3.25254							
7/1/94-6/30/95 (inc) (cum)	1.02010 3.22978							
7/1/95-6/30/96 (inc) (cum)	1.02010 3.16177							
7/1/96-6/30/97 (inc) (cum)	1.02010 3.03277							
7/1/97-6/30/98 (inc) (cum)	1.02010 2.88138							
7/1/98-6/30/99 (inc) (cum)	1.02010 2.70317							
7/1/99-6/30/00 (inc) (cum)	1.02010 2.50720							
7/1/00-6/30/01 (inc) (cum)	1.02010 2.31372							
7/1/01-6/30/02 (inc) (cum)	1.02010 2.23353							
7/1/02-6/30/03 (inc) (cum)	1.02010 2.21315							
7/1/03-6/30/04 (inc) (cum)	1.02010 2.17168							
7/1/04-6/30/05 (inc) (cum)	1.02010 2.12385							
7/1/05-6/30/06 (inc) (cum)	1.02010 2.11059							
7/1/06-6/30/07 (inc) (cum)	1.02010 2.04021							
7/1/07-6/30/08 (inc) (cum)	1.02010 1.93486							
7/1/08-6/30/09 (inc) (cum)	1.02010 1.84241							
7/1/09-6/30/10 (inc) (cum)	1.02010 1.78130							

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

* Per [RCW 51.32.075](#) there is no COLA for the period from 7/1/11 through 6/30/12

** Per [RCW 51.32.075](#) there will be no cost of living adjustment to time-loss rates for dates of injury on or after July 1, 2011 until the 2nd July after the date of injury.

Note: *These conditions do not apply to minimum or maximum time-loss rates; instead use the [Minimum Time-Loss Rates](#) chart or the [Maximum Time-Loss Rates](#) chart.*

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/11 – 6/30/12*	7/1/12 - 6/30/13	7/1/13 - 6/30/14	7/1/14 - 6/30/15	7/1/15 - 6/30/16	7/1/16 – 6/30/17	7/1/17– 6/30/18	7/1/18– 6/30/19
7/1/10-6/30/11 (inc)	1.00000	1.03596	1.03409	1.02016	1.04168	1.02633	1.04769	1.04969
(cum)	1.00000	1.03596	1.07127	1.09286	1.13841	1.16838	1.22410	1.28492
7/1/11-6/30/12 (inc)		1.00000	1.03409	1.02016	1.04168	1.02633	1.04769	1.04969
** (cum)		1.00000	1.03409	1.05493	1.09889	1.12782	1.18160	1.24031
7/1/12-6/30/13 (inc)			1.00000	1.02016	1.04168	1.02633	1.04769	1.04969
** (cum)			1.00000	1.02016	1.06268	1.09066	1.14267	1.19944
7/1/13-6/30/14 (inc)				1.00000	1.04168	1.02633	1.04769	1.04969
** (cum)				1.00000	1.04168	1.06910	1.12008	1.17573
7/1/14-6/30/15 (inc)					1.00000	1.02633	1.04769	1.04969
** (cum)					1.00000	1.02633	1.07527	1.12870
7/1/15-6/30/16 (inc)						1.00000	1.04769	1.04969
** (cum)						1.00000	1.04769	1.09974
7/1/16-6/30/17 (inc)							1.00000	1.04969
** (cum)							1.00000	1.04969
7/1/17-6/30/18 (inc)								1.00000
** (cum)								1.00000

Time-Loss Cost of Living Adjustments for Injuries Occurring On or After July 1, 1971

Increment/Cumulative Factors

* Per [RCW 51.32.075](#) there is no COLA for the period from 7/1/11 through 6/30/12

** Per [RCW 51.32.075](#) there will be no cost of living adjustment to time-loss rates for dates of injury on or after July 1, 2011 until the 2nd July after the date of injury.

Note: These conditions do not apply to minimum or maximum time-loss rates; instead use the [Minimum Time-Loss Rates](#) chart or the [Maximum Time-Loss Rates](#) chart.

Date of Injury	Dates for Cost of Living Adjustment Rates							
	7/1/19 – 6/30/20	7/1/20- 6/30/21	7/1/21- 6/30/22	7/1/22- 6/30/23	7/1/23- 6/30/24			
7/1/10-6/30/11 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
(cum)	1.35579	1.44711	1.59328	1.71299	1.74742			
7/1/11-6/30/12 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.30872	1.39687	1.53796	1.65352	1.68675			
7/1/12-6/30/13 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.26560	1.35085	1.48729	1.59904	1.63118			
7/1/13-6/30/14 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.24058	1.32414	1.45789	1.56743	1.59893			
7/1/14-6/30/15 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.19095	1.27117	1.39957	1.50473	1.53497			
7/1/15-6/30/16 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.16040	1.23856	1.36366	1.46612	1.49558			
7/1/16-6/30/17 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.10759	1.18219	1.30160	1.39940	1.42752			
7/1/17-6/30/18 (inc)	1.05516	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.05516	1.12623	1.23999	1.33316	1.35995			
7/1/18-6/30/19 (inc)	1.00000	1.06736	1.10101	1.07514	1.02010			
** (cum)	1.00000	1.06736	1.17517	1.26347	1.28886			
7/1/19-6/30/20 (inc)		1.00000	1.10101	1.07514	1.02010			
** (cum)		1.00000	1.10101	1.18373	1.20752			
7/1/20-6/30/21 (inc)			1.00000	1.07514	1.02010			
** (cum)			1.00000	1.07514	1.09675			
7/1/21-6/30/22 (inc)				1.00000	1.02010			
** (cum)				1.00000	1.02010			
7/1/22-6/30/23 (inc)					1.00000			
** (cum)					1.00000			