



## ACTUARIAL FACTORS FOR PERSONAL INJURY MATTERS

The following table provides factors for the calculation of future Economic Loss amounts on either a 3%, 5% or 6% p.a. discount rates. For convenience, separate factors are provided for weekly, fortnightly and monthly payments.

Number of Years	Weekly Amount			Fortnightly Amount			Monthly Amount		
	3%	5%	6%	3%	5%	6%	3%	5%	6%
1	51.41	50.93	50.69	25.71	25.46	25.34	11.82	11.71	11.66
2	101.33	99.43	98.51	50.66	49.71	49.25	23.30	22.87	22.65
3	149.80	145.62	143.62	74.90	72.80	71.81	34.45	33.49	33.03
4	196.85	189.61	186.18	98.42	94.81	93.09	45.27	43.61	42.82
5	242.53	231.51	226.32	121.26	115.75	113.16	55.78	53.24	52.05
6	286.88	271.41	264.20	143.44	135.70	132.10	65.98	62.42	60.76
7	329.94	309.41	299.93	164.97	154.70	149.96	75.88	71.16	68.98
8	371.74	345.60	333.64	185.87	172.80	166.82	85.49	79.48	76.73
9	412.33	380.07	365.45	206.16	190.03	182.72	94.83	87.41	84.05
10	451.74	412.90	395.45	225.86	206.44	197.72	103.89	94.96	90.94
11	489.99	444.16	423.75	244.99	222.08	211.87	112.69	102.15	97.45
12	527.14	473.94	450.45	263.56	236.96	225.22	121.23	109.00	103.59
13	563.20	502.30	475.64	281.59	251.14	237.82	129.52	115.52	109.39
14	598.21	529.30	499.41	299.10	264.64	249.70	137.58	121.73	114.85
15	632.20	555.03	521.83	316.09	277.51	260.91	145.39	127.64	120.01
16	665.20	579.52	542.98	332.59	289.75	271.48	152.98	133.28	124.87
17	697.24	602.85	562.93	348.61	301.42	281.46	160.35	138.64	129.46
18	728.35	625.07	581.75	364.17	312.53	290.87	167.51	143.75	133.79
19	758.55	646.23	599.51	379.27	323.11	299.75	174.45	148.62	137.88
20	787.87	666.38	616.26	393.93	333.18	308.12	181.19	153.25	141.73
21	816.34	685.58	632.07	408.16	342.78	316.03	187.74	157.67	145.36
22	843.98	703.86	646.98	421.98	351.92	323.48	194.10	161.87	148.79
23	870.81	721.27	661.04	435.39	360.62	330.51	200.27	165.88	152.03
24	896.86	737.85	674.31	448.42	368.91	337.15	206.26	169.69	155.08
25	922.15	753.64	686.83	461.06	376.81	343.41	212.08	173.32	157.96
26	946.71	768.68	698.64	473.34	384.33	349.31	217.72	176.78	160.67
27	970.55	783.00	709.79	485.26	391.49	354.88	223.21	180.07	163.24
28	993.70	796.64	720.30	496.84	398.31	360.14	228.53	183.21	165.65
29	1016.17	809.63	730.21	508.07	404.80	365.10	233.70	186.20	167.93
30	1037.99	822.00	739.57	518.98	410.99	369.77	238.72	189.04	170.09
31	1059.17	833.79	748.39	529.57	416.88	374.19	243.59	191.75	172.11
32	1079.74	845.01	756.72	539.85	422.49	378.35	248.32	194.33	174.03
33	1099.70	855.70	764.57	549.84	427.84	382.28	252.91	196.79	175.84
34	1119.09	865.87	771.98	559.53	432.93	385.98	257.37	199.13	177.54
35	1137.91	875.57	778.97	568.94	437.77	389.48	261.70	201.36	179.15
36	1156.18	884.80	785.57	578.07	442.39	392.77	265.90	203.49	180.66
37	1173.92	893.59	791.79	586.94	446.78	395.88	269.98	205.51	182.09
38	1191.14	901.97	797.66	595.55	450.97	398.82	273.94	207.43	183.44

39	1207.86	909.94	803.19	603.92	454.96	401.59	277.78	209.27	184.72
40	1224.10	917.54	808.42	612.03	458.76	404.20	281.52	211.01	185.92
41	1239.86	924.77	813.35	619.91	462.37	406.66	285.14	212.68	187.05
42	1255.16	931.66	818.00	627.56	465.82	408.99	288.66	214.26	188.12
43	1270.02	938.22	822.38	634.99	469.10	411.18	292.08	215.77	189.13
44	1284.44	944.47	826.52	642.20	472.22	413.25	295.40	217.21	190.08
45	1298.45	950.42	830.42	649.21	475.20	415.20	298.62	218.58	190.98
46	1312.04	956.09	834.10	656.00	478.03	417.04	301.74	219.88	191.83
47	1325.24	961.49	837.58	662.60	480.73	418.78	304.78	221.12	192.63
48	1338.06	966.63	840.86	669.01	483.30	420.42	307.73	222.30	193.38
49	1350.50	971.53	843.95	675.23	485.75	421.96	310.59	223.43	194.09
50	1362.58	976.19	846.86	681.27	488.08	423.42	313.37	224.50	194.76
51	1374.31	980.63	849.62	687.14	490.30	424.80	316.06	225.52	195.39
52	1385.70	984.86	852.21	692.83	492.42	426.09	318.68	226.50	195.99
53	1396.75	988.89	854.66	698.36	494.43	427.32	321.22	227.42	196.55
54	1407.48	992.72	856.97	703.72	496.35	428.47	323.69	228.31	197.09
55	1417.90	996.38	859.15	708.93	498.17	429.56	326.09	229.15	197.59
56	1428.02	999.86	861.21	713.99	499.91	430.59	328.42	229.95	198.06
57	1437.84	1003.17	863.15	718.90	501.57	431.56	330.67	230.71	198.51
58	1447.38	1006.33	864.98	723.67	503.15	432.48	332.87	231.43	198.93
59	1456.64	1009.33	866.70	728.30	504.65	433.34	335.00	232.13	199.32
60	1465.63	1012.20	868.33	732.79	506.08	434.15	337.06	232.78	199.70
61	1474.35	1014.92	869.87	737.16	507.45	434.92	339.07	233.41	200.05
62	1482.83	1017.52	871.32	741.39	508.74	435.65	341.02	234.01	200.39
63	1491.05	1019.99	872.69	745.51	509.99	436.33	342.91	234.58	200.70
64	1499.04	1022.35	873.98	749.50	511.16	436.98	344.75	235.12	201.00
65	1506.79	1024.59	875.19	753.37	512.28	437.58	346.53	235.63	201.28
66	1514.32	1026.73	876.34	757.14	513.35	438.16	348.26	236.13	201.54
67	1521.63	1028.76	877.43	760.79	514.37	438.70	349.94	236.59	201.79
68	1528.72	1030.70	878.45	764.34	515.33	439.21	351.57	237.04	202.02
69	1535.61	1032.54	879.41	767.79	516.26	439.69	353.16	237.46	202.25
70	1542.30	1034.30	880.32	771.13	517.14	440.15	354.70	237.87	202.46

## Methodology

A series of payments is an annuity. If it is not dependent on (say) survival, it is called an “annuity certain”. If payments are at the end of the period, it is an “ordinary” or “immediate” annuity. If payments are at the start, it is an “annuity due”. The two are connected by an interest adjustment. In the above factors, the interest adjustment is for a payment in middle of the period. The discount/interest rate has been taken as effective per annuity and so with “x” payments per year, the compounding of interest in the payment periods is worked out. The number of periods per year for weekly is 365.25/7 and for fortnightly 365.25/14.

As an example, the formula for a 3-year period paid monthly at the 5% p.a. discount rate is:

$$\text{Annuity} = ((1 + i)^{0.5}) \times (1 - (1 + i)^{-36}) / i$$

$$\text{Where } i = 1.05^{(1/12)} - 1$$