

Mean annual direct cost

Country	price year	mean annual direct cost	currency	Number of periods	Inflation	mean annual direct cost in 2017 money	Exchange rate	Currency	mean annual direct cost in 2017 money (\$)
UAE, 2010	2004	1,605	\$	13	0.02	2076.238642	1	\$	2076.238642
Brazil , 2011	2005	1,355	\$	12	0.02	1718.467632	1	\$	1718.467632
Brazil, 2014	2017	1,012	\$	8	0.02	1185.719294	1	\$	1185.719294
Davari, 2016	2011	156	\$	6	0.02	175.4561049	1	\$	175.4561049
Italy, 2017	2012	3,312	€	7	0.02	3803.895562	1.998	€	7,600.18
Lithuana, 2014	2011	448.34	€	6	0.02	504.9036591	1.998	€	1,008.80
Argentina, 2014	2011	3,668.60	AR\$	6	0.02	4131.439451	0.0537	AR\$	221.86
Germany, 2017	2015	0	€	2	0.02	0	1.998	€	0.00
Iran, 2011	2009	842.6	\$	8	0.02	987.2401944	1	\$	987.2401944
Spain, 2016	2010	3110.1	€	7	0.02	3572.527295	1.998	€	7,137.91
Singapore, 2015	2010	2,034.60	\$	7	0.02	2337.115859	1	\$	2337.115859
Germany, 2016	2011	3352	€	6	0.02	3774.896429	1.998	€	7,542.24

Shows how to calculate future value from year x value to year y value.

Future $value = C * (1 + R)^n$

1) UAE future value: $1,605 \$ * (1 + 0.02)^{13} = 2076.23 \$$

2) Northern Italy future value = $3,312 € * (1 + 0.02)^7 = 3803.89 €$

Note down the chosen exchange rate, last day of the year (31/12/2017): 1.998

Mean value 2018 in \$: $3803.89 € * 1.998 = 7,600.18 \$$

Mean annual cost of medicine

Country	price year	mean annual direct cost	currency	Number of	Inflation	mean annual direct in 2017 money	Exchange rate	Currency	mean annual cost of medicine in 2017 money (\$)
UAE, 2010	2004	0	\$	13	0.02	0	1	\$	0
Brazil , 2011	2005	249	\$	12	0.02	315.7922068	1	\$	315.7922068
Brazil, 2014	2017	113	\$	8	0.02	132.3975101	1	\$	132.3975101
Davari, 2016	2011	67.8	\$	6	0.02	76.35381203	1	\$	76.35381203
Italy, 2017	2012	874.07	€	7	0.02	1004.031682	1.998	€	2006.0553
Lithuana, 2014	2011	178.52	€	6	0.02	201.0425151	1.998	€	401.6829451
Argentina, 2014	2011	2,653.55	AR\$	6	0.02	2988.328288	0.0537	AR\$	160.473229
Germany, 2017	2015	498	€	2	0.02	518.1192	1.998	€	1035.202162
Iran, 2011	2009	200.6	\$	8	0.02	235.0348718	1	\$	235.0348718
Spain, 2016	2010	925	€	7	0.02	1062.534243	1.998	€	2122.943417
Singapore, 2015	2010	162.1	\$	7	0.02	186.2019467	1	\$	186.2019467
Germany, 2016	2011	960	€	6	0.02	1081.115922	1.998	€	2160.069613