

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Primary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	25.87	27.56	57.81	11.03	12.34
AFRO E	21.05	22.12	45.58	8.94	9.87
AMRO A	724.14	739.94	1612.71	274.63	345.21
AMRO B	159.39	165.06	335.85	66.07	72.28
AMRO D	74.02	76.79	164.19	30.52	36.02
Andean Latin America	98.58	102.99	227.29	39.54	48.68
Australasia	631.45	664.75	1422.89	262.65	291.52
Caribbean	65.35	67.35	152.78	25.54	31.82
Central Asia	67.53	70.57	147.26	28.4	30.82
Central Europe	244.84	254.44	574.1	96.41	117.88
Central Latin America	154.72	159.78	335.2	65.43	73.19
Central Sub-Saharan Africa	19.07	20.11	44.13	7.29	9.57
EMRO B	231.35	241.2	527.29	89.84	115.51
EMRO D	33.99	35.64	76.41	13.5	16.21
EURO A	541.21	570.43	1218.9	216.2	269.61
EURO B	166.68	177.19	390.35	71.07	83.18
EURO C	224.45	230.66	519.84	87.94	106.09
East Asia	84.73	86.51	190.5	31.93	39.06
Eastern Europe	226.69	234.69	534.59	91.05	115.67
Eastern Sub-Saharan Africa	11.19	11.5	24.76	4.2	5.26
High Income Asia Pacific	503.2	529.49	1113.26	197.66	241.9
High Income North America	750.01	786.93	1667.06	311.69	358.41
North Africa and the Middle East	144.07	148.26	305	58.17	66.22
Oceania	26.77	27.57	58.77	10.96	12.64
SEARO B	56.75	57.26	119.55	22.57	26.36
SEARO D	30.73	32.5	68.85	12.36	14.95
South Asia	30.25	32.73	69.44	13.11	15.67
Southeast Asia	50.46	52.54	119.26	20.19	25.17
Southern Latin America	222.26	240.13	496.52	93.76	114.37
Southern Sub-Saharan Africa	119.95	121	244.66	49.68	51.13
Tropical Latin America	136.59	140.2	305.43	53.21	65.02
WPRO A	548.67	577.12	1281.68	218.92	266.39
WPRO B	88.2	92.81	205.17	38.26	41.98
Western Europe	549.13	572.9	1214.38	225.38	263.01
Western Sub-Saharan Africa	16.77	17.91	40.91	6.69	8.47
Afghanistan	4.18	4.23	8.52	1.68	1.85
Albania	103.2	105.19	210.15	37.69	45.98
Algeria	93.68	98.15	214.09	35.25	46.53
Andorra	693.53	732.88	1586.46	282.24	337.88
Angola	61.01	62.81	134.78	22.04	29.98
Antigua and Barbuda	271.49	282.53	602.44	110.95	127.44
Argentina	212.37	218.96	468.97	81.8	99.8
Armenia	61.95	64.65	131.28	25.34	28.41
Australia	668.88	709.66	1476.8	266.12	329.45
Austria	643.92	669.2	1512.78	244.91	323.3
Azerbaijan	119.49	125.81	268.23	44.96	56.97
Bahamas	453.46	464.06	971.97	179.76	207.02
Bahrain	283.62	290.75	614.81	117.36	135.83
Bangladesh	13.96	14.68	30.42	5.43	6.54

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Barbados	314.9	329.93	745.96	129.79	153
Belarus	179.83	188.68	399.3	71.03	84.98
Belgium	597.88	637.16	1319.98	250.43	287.15
Belize	85.18	90.08	188.36	35.19	41.09
Benin	12.59	13.13	27.8	4.87	5.76
Bhutan	60.77	63.55	131.53	23.85	29.3
Bolivia Plurinational States of	49.65	52.1	113.52	20.55	24.69
Bosnia and Herzegovina	100.37	105.37	222.28	40.88	47.74
Botswana	188.6	194.65	423.77	78.35	86.57
Brazil	27.02	27.96	63.05	11.31	12.85
Brunei Darussalam	834.34	876.81	1814.11	343.79	394.81
Bulgaria	180.06	190.31	410.04	75.6	86.18
Burkina Faso	10.4	10.96	23.54	4.08	5.07
Burundi	3.65	3.92	8.45	1.46	1.87
Cote d'Ivoire	17.4	18.55	41.9	7.52	8.98
Cabo Verde Republic of	40.04	41.31	90.02	15.61	19.19
Cambodia	19.48	20.46	44.13	7.91	9.54
Cameroon	19.62	20.45	43.02	7.54	9.51
Canada	619.44	646.49	1461.88	237.17	299.35
Central African Republic	5.95	6.52	14.15	2.56	3.05
Chad	11.9	12.23	25.9	4.92	5.54
Chile	254.32	264.25	550.71	103.47	118.61
China	84.73	86.74	182.62	35.18	38.46
Colombia	112.73	117.19	246.68	48.75	53.92
Comoros	9.47	9.94	21.3	3.72	4.67
Congo	42.79	43.98	93.3	17.08	20.45
Cook Islands	112.93	116.16	256.1	43.37	55.66
Costa Rica	145.1	150.4	320.73	60.46	67.13
Croatia	256.97	271.12	581.77	103.91	126.78
Cuba	39.82	41.24	88.23	15.6	18.6
Cyprus	454.07	487.69	1042.45	186.83	236.72
Czech Republic	369.41	374.96	815.56	142.21	174.35
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	2.41	2.53	5.73	0.9	1.26
Denmark	647.94	677.56	1507.26	255.84	310.85
Djibouti	21.72	22.14	47.6	8.51	10.11
Dominica	154.8	160.41	341.95	64.52	69.77
Dominican Republic	110.54	115.18	259.81	44.8	55.55
Ecuador	104.43	105.79	215.84	41.16	46.98
Egypt	68.81	72.18	156.1	27.65	33
El Salvador	74.31	77.11	165.39	29.36	34.28
Equatorial Guinea	422.79	444.62	943.37	172.34	202.71
Eritrea	3.4	3.46	7.51	1.37	1.6
Estonia	281.24	288.24	588.84	113.49	119.84
Ethiopia	7.69	7.97	17.06	2.91	3.67
Fiji	48.38	49.93	107.66	20.24	21.95
Finland	562.11	580.97	1222.78	221.39	270.01
France	532.06	545.08	1193.02	210.86	266.71
Gabon	185.11	192.98	408.88	75.18	90.89

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Gambia	17.43	17.85	36.8	7.01	8.14
Georgia	54.79	56.84	125.49	22.86	26.02
Germany	590.61	617.52	1356.8	244.5	283.62
Ghana	14.28	15.03	32.5	5.94	6.76
Greece	407.09	437.22	943.81	162.5	209.06
Grenada	127.83	136.21	289.71	54.39	62.97
Guatemala	50.53	53.28	114.6	21.54	23.83
Guinea	7.79	8.11	16.94	3.35	3.61
Guinea-Bissau	9.36	9.87	21.32	3.79	4.55
Guyana	28.71	30.36	65.87	12.1	13.87
Haiti	8.88	9.34	19.62	3.74	4.26
Honduras	38.54	40.08	87.3	16.04	18.35
Hungary	287.88	293.87	621.89	117.68	137.25
Iceland	551.5	579	1266.73	221.34	266.26
India	34.41	36.04	76.73	14.3	16.35
Indonesia	44.48	46.61	102.61	19.03	21.68
Iran (Islamic Republic of)	198.45	209.55	454.77	79.33	98.46
Iraq	37.76	39.77	82.36	15.15	17.54
Ireland	655.35	685.01	1505.89	253.65	316.7
Israel	399	414.11	884.31	162.47	191.5
Italy	489.64	523.5	1148.02	188.98	240.55
Jamaica	85.09	87.87	185.36	35.51	40.15
Japan	514.26	536.06	1099.83	211.51	236.18
Jordan	62.03	65.52	136.87	26.21	29.89
Kazakhstan	157.66	161.99	360.55	61.39	79.15
Kenya	14.03	14.8	30.87	5.54	6.87
Kiribati	21.41	22.6	48.71	8.68	10.82
Kuwait	579.78	596.82	1289.85	226.09	272.97
Kyrgyzstan	21.08	21.49	43.99	8.27	9.28
Lao People's Democratic Republic	23.19	23.81	51.3	9.83	11.02
Latvia	229.33	245.68	509.04	94.48	109.66
Lebanon	176.16	184.2	396.53	74.73	83.79
Lesotho	15.54	16.42	36.44	6.39	7.57
Liberia	3.81	3.99	9	1.58	1.89
Libya	234.37	245.29	514.18	94.52	108.6
Lithuania	248.53	255.54	534.81	102.3	115.92
Luxembourg	1572.08	1643.8	3516.66	633.13	751.05
Madagascar	7.19	7.46	15.66	2.89	3.48
Malawi	6.53	6.72	14.13	2.58	3.04
Malaysia	201.68	210.32	455.2	80.64	98.7
Maldives	95.3	99.5	215.74	38.15	45.34
Mali	9.87	10.17	21.49	4.05	4.72
Malta	403.19	412.02	857.69	155.02	191.11
Marshall Islands	22.79	23.92	51.42	9.4	10.71
Mauritania	20.33	21.05	43.29	8.69	9.06
Mauritius	192.32	197.39	413.64	77.98	89.95
Mexico	210.52	221.29	491.59	87.89	106.23
Micronesia (Federated States of)	35.15	36.61	77.52	14.31	16.65
Monaco	2569.59	2724.25	5584.32	1097.47	1218.67

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Mongolia	41.83	42.9	94.66	17.3	20.39
Montenegro	169.67	179.34	365.12	69.18	79.52
Morocco	50.92	51.28	109.9	19.86	22.86
Mozambique	6.84	6.97	15.29	2.74	3.15
Myanmar	9.6	9.91	21.83	3.67	4.72
Namibia	76.06	82.15	188.81	30.8	41.79
Nauru	21.17	22.18	48.65	8.85	10.33
Nepal	11.06	11.48	25.13	4.64	5.35
Netherlands	668.72	721.94	1579.6	264.98	347.63
New Zealand	445.75	457.97	928.12	184.16	197.08
Nicaragua	36.17	38.21	83.25	14.84	17.85
Niger	4.45	4.56	10.04	1.73	2.07
Nigeria	21.69	22.72	48.38	8.35	9.84
Niue	318.12	324	698.2	132.75	146.03
Norway	985.06	1035.61	2162.49	412.81	475.97
Oman	304.78	319.08	674.43	120.1	147.2
Pakistan	25.12	26.34	56.7	10.26	12.2
Palau	232.13	241.03	503.57	86.69	108.81
Panama	176.26	182.34	378.95	73.19	80.45
Papua New Guinea	22.89	24.71	53.35	9.64	11.65
Paraguay	64.85	66.41	147.1	25.33	31.47
Peru	113.61	118.6	252.42	46.27	53.01
Philippines	40.15	41.83	83.57	17.21	18.2
Poland	278.72	293.56	615.71	112.99	130.38
Portugal	372.14	389.43	828.66	154.65	177.62
Qatar	1404.55	1446.74	3113.76	537.28	660.78
Republic of Korea	425.96	447.02	948.4	174.96	210.18
Republic of Moldova	30.9	32.22	70.5	12.74	15.22
Romania	194.4	202.22	439.38	79.57	93.24
Russian Federation	287.83	296.04	648.53	106.32	138.93
Rwanda	9.45	10.01	21.95	3.78	4.52
Saint Kitts and Nevis	237.92	247.19	504.95	100.87	104.34
Saint Lucia	137.18	142.68	314.18	51.94	65.83
Saint Vincent and the Grenadines	127.91	137.99	286.34	51.83	61.38
Samoa	43.9	45.08	96.16	17.64	20.89
San Marino	807.2	846.5	1778.94	335.79	373.59
Sao Tome and Principe	16.26	16.79	35.25	6.16	7.76
Saudi Arabia	336.05	355.3	739.95	138.22	156.35
Senegal	16.31	17.6	39.54	6.8	8.45
Serbia	136.65	147.2	317.36	57.83	66.4
Seychelles	328.59	343.7	741.63	133.92	158.98
Sierra Leone	8.82	9.21	19.47	3.53	4.11
Singapore	989.47	1054.5	2195.35	405.35	465.13
Slovakia	332.03	344.52	738.62	137.39	154.7
Slovenia	391.78	411.12	851.38	164.97	185.49
Solomon Islands	26.21	26.93	58.6	10.36	12.41
Somalia	NA	NA	NA	NA	NA
South Africa	125.5	129.99	283.55	51.71	61.48
South Sudan	NA	NA	NA	NA	NA

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Spain	480.04	490.99	1052.74	183.95	226.45
Sri Lanka	54.3	55.71	117.83	21.31	24.63
Sudan	23.54	25.23	56.31	9.37	11.9
Suriname	91.74	96.43	197.03	38.61	44.03
Swaziland	56.34	59.32	126.12	22.23	27
Sweden	623.82	656.12	1453.55	258.86	296.01
Switzerland	808.04	846.91	1900.34	311.94	392.49
Syrian Arab Republic	62.76	65.39	144.44	23.82	30.91
Tajikistan	17.3	18.01	38.69	6.59	8.34
Thailand	105.41	109.46	238.26	41.54	49.11
The former Yugoslav Republic of Macedonia	137.85	147.55	328.23	57.38	72.3
Timor-Leste	12.92	13.74	28.79	5.02	6.21
Togo	7.39	7.48	15.43	2.98	3.2
Tonga	48	50.34	110.47	19.45	23.49
Trinidad and Tobago	380.45	392.75	837.77	154	178.05
Tunisia	114.15	119.78	260	47.7	53.91
Turkey	211.04	219.4	483.51	85.18	103.95
Turkmenistan	95.37	102.01	213.35	39.54	47.78
Tuvalu	25.49	26.76	59.64	10.8	12.64
Uganda	10.25	10.71	23.83	4.08	4.98
Ukraine	75.05	76.56	168.67	30.81	34.02
United Arab Emirates	676.46	719.15	1625.1	272.51	357.52
United Kingdom	549.57	570.07	1265.39	217.32	267.32
United Republic of Tanzania	11.57	12.47	25.27	4.65	5.5
United States of America	764.62	788.5	1700.93	293.85	381.24
Uruguay	180.95	193.04	400.45	78.81	88.93
Uzbekistan	30.64	32.15	69.1	12.52	14.31
Vanuatu	46.3	48.68	105.37	17.97	22.59
Venezuela (Bolivarian Republic of)	152.59	155.86	329.75	61.46	70.15
Viet Nam	30.31	32.66	66.67	12.34	15.07
Yemen	23.38	24.04	51.24	9.41	11.22
Zambia	12.9	13.62	29.67	5.12	6.31
Zimbabwe	NA	NA	NA	NA	NA

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Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	26.96	28.19	57.06	10.93	12.56
AFRO E	21.94	23.4	51.26	8.92	10.59
AMRO A	754.85	788.69	1781.51	313.18	355.2
AMRO B	166.15	173.01	360.09	62.89	77
AMRO D	77.16	81.21	177.36	30.68	37.58
Andean Latin America	102.76	107.95	231.15	42.06	50.95
Australasia	658.24	684.68	1427.48	255.94	316.75
Caribbean	68.12	72.25	157.93	28.26	34.18
Central Asia	70.39	73.95	161.29	29.12	34.27
Central Europe	255.23	265.39	576.92	103.27	119.45
Central Latin America	161.28	166.11	336.53	64.53	72.33
Central Sub-Saharan Africa	19.87	20.84	46.23	8.02	9.57
EMRO B	241.17	255.94	558.84	96.49	118.44
EMRO D	35.44	36.57	76.03	14.19	15.74
EURO A	564.16	592.41	1283.1	228.28	272.91
EURO B	173.75	182.45	386.21	69.51	81.39
EURO C	233.97	241.77	554.58	91.72	115.83
East Asia	88.32	92.35	181.91	37.3	39.93
Eastern Europe	236.31	237.38	487.2	90.51	104.6
Eastern Sub-Saharan Africa	11.66	12.29	26.25	4.98	5.86
High Income Asia Pacific	524.54	553.92	1181.09	206.24	255.82
High Income North America	781.82	814.47	1732.33	310.78	388.64
North Africa and the Middle East	150.18	156.24	328.9	59.65	71.04
Oceania	27.91	29.18	63.35	10.93	13.62
SEARO B	59.16	63.55	136.25	24.44	29.99
SEARO D	32.03	33.66	71.07	12.94	15.55
South Asia	31.54	33.3	74.37	12.92	15.26
Southeast Asia	52.6	53.94	110.82	20.6	23.86
Southern Latin America	231.68	240.69	518.58	93.57	112.13
Southern Sub-Saharan Africa	125.04	130.76	281.96	54.27	58.27
Tropical Latin America	142.38	150.05	334.84	56.56	68.44
WPRO A	571.95	593.62	1310.7	216.98	272.26
WPRO B	91.94	95.76	211.21	35.87	44.23
Western Europe	572.43	596.28	1296.93	239.95	262.33
Western Sub-Saharan Africa	17.48	18.29	39.39	6.97	8.24
Afghanistan	4.35	4.51	9.4	1.62	2
Albania	107.57	111.37	254.86	42.2	53
Algeria	97.66	104.21	244.26	38.34	51.83
Andorra	722.95	742.9	1627.41	293.08	331.86
Angola	63.6	67.45	145.35	26.16	32.27
Antigua and Barbuda	283	286.55	603.95	112.37	124.09
Argentina	221.38	223.8	479.56	88.68	99.51
Armenia	64.58	67.34	144.85	25.11	33.14
Australia	697.25	728.99	1448.88	277.68	335.02
Austria	671.24	704.05	1515.13	276.59	322.22
Azerbaijan	124.56	130.03	275.22	50.68	57.61
Bahamas	472.7	490.18	1022.39	173.76	216.21
Bahrain	295.65	305.89	685.34	118.35	149.56
Bangladesh	14.55	15.18	32.21	5.64	6.89



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Barbados	328.26	340.65	695.66	127.61	156.63
Belarus	187.46	189.84	407.34	78.66	83
Belgium	623.24	646.13	1338.68	255.99	280.34
Belize	88.79	91.45	203	34.84	43.61
Benin	13.13	13.57	27.18	5.02	5.8
Bhutan	63.34	66.31	146	25.23	30.01
Bolivia Plurinational States of	51.76	53.28	117.66	20.64	25.06
Bosnia and Herzegovina	104.63	107.18	228.91	44.34	48.91
Botswana	196.59	206.33	454.57	74.99	99.7
Brazil	28.17	30.18	63.2	11.46	13.44
Brunei Darussalam	869.73	908.88	1918.85	369.35	418.92
Bulgaria	187.7	190.95	422.76	73.55	88.08
Burkina Faso	10.85	11.05	23.5	4.15	4.9
Burundi	3.81	4.08	8.94	1.51	1.96
C?te d'Ivoire	18.13	18.91	42.12	7.28	8.85
Cabo Verde Republic of	41.74	44.42	92.97	18.27	19.85
Cambodia	20.31	21.71	48.61	8.31	10.13
Cameroon	20.45	21.51	46.68	8.53	9.86
Canada	645.71	680.16	1532.7	266.49	317.3
Central African Republic	6.2	6.63	14.46	2.39	3.07
Chad	12.4	12.71	27.86	4.73	5.89
Chile	265.11	279.21	616.74	101.69	133.97
China	88.32	91.43	189.65	35.9	41.59
Colombia	117.51	125.11	261.01	47.25	56.72
Comoros	9.88	10.12	22.35	3.9	4.87
Congo	44.6	47.42	98.61	17.79	21.1
Cook Islands	117.72	122.37	255.28	48.65	55.28
Costa Rica	151.25	154.29	344.91	60.34	72.14
Croatia	267.87	274.66	614.14	103.1	128.17
Cuba	41.51	42.98	90.12	16.58	19.54
Cyprus	473.33	507.26	1119.5	193.05	236.9
Czech Republic	385.08	411.13	910.86	154.74	189.45
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	2.52	2.59	5.81	0.98	1.23
Denmark	675.42	708.74	1555.82	279.52	337.35
Djibouti	22.65	23.56	51.25	8.95	10.57
Dominica	161.36	166.96	356.62	63.23	75.78
Dominican Republic	115.23	119.2	267.02	45.68	57.45
Ecuador	108.86	113.27	244.39	44.88	53.2
Egypt	71.73	74.5	162.41	29.8	34.09
El Salvador	77.46	79.49	169.22	32.38	34.94
Equatorial Guinea	440.73	458.56	1024.47	158.38	219.5
Eritrea	3.55	3.71	8.07	1.32	1.85
Estonia	293.16	313.95	683.12	109.73	150.15
Ethiopia	8.02	8.55	18.11	3.25	4.11
Fiji	50.43	53.78	123.19	21.15	26.33
Finland	585.95	618.16	1344.78	237.07	285.67
France	554.62	588.99	1288.86	227.1	270.81
Gabon	192.96	203.81	446.05	78.14	93.09

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	18.16	19.25	41.83	7.22	8.69
Georgia	57.11	60.34	127.88	22.69	27.88
Germany	615.66	653.01	1421.07	246.49	301.46
Ghana	14.88	15.4	35.39	5.76	7.51
Greece	424.36	441.67	960.97	174.11	196.38
Grenada	133.25	139.08	300.98	55.3	62.61
Guatemala	52.67	54.67	115.87	21.44	24.66
Guinea	8.12	8.45	17.15	3.28	3.77
Guinea-Bissau	9.76	10.28	21.24	3.91	4.56
Guyana	29.93	31.07	68.58	12.27	14.89
Haiti	9.26	9.69	19.99	3.66	4.47
Honduras	40.17	41.85	92.02	16.45	19.09
Hungary	300.09	314.91	677.45	121.25	140.89
Iceland	574.9	616.03	1286.34	240.79	279.21
India	35.87	37.15	77.05	14.67	15.86
Indonesia	46.37	48.61	102.41	19.83	20.87
Iran (Islamic Republic of)	206.87	209.94	475.49	81.35	98.82
Iraq	39.36	41.14	89.32	15.4	19.42
Ireland	683.14	700.6	1463.28	262.15	325.73
Israel	415.92	420.51	878.27	161.18	189.01
Italy	510.41	531.64	1171.56	194.17	251.01
Jamaica	88.7	93.86	206.08	36.22	43.56
Japan	536.07	557.72	1217.69	206.71	266.87
Jordan	64.66	67.24	144.32	25.71	30.51
Kazakhstan	164.35	173.13	350.82	70.6	76.96
Kenya	14.62	15.08	30.52	5.99	6.63
Kiribati	22.32	22.97	50.31	9	10.44
Kuwait	604.37	622.83	1346.15	234.89	279.27
Kyrgyzstan	21.98	22.85	50.22	8.37	10.81
Lao People's Democratic Republic	24.18	25.36	52.33	9.5	11.54
Latvia	239.05	246.06	511.94	101.88	112.39
Lebanon	183.63	190.7	400.92	74.09	89.27
Lesotho	16.2	17.03	36.67	6.9	8.09
Liberia	3.97	4.18	9.6	1.51	2.08
Libya	244.31	249.02	535.56	96.38	110.41
Lithuania	259.08	267.25	602.96	97.96	129.24
Luxembourg	1638.77	1727.67	3841.46	651.6	805.05
Madagascar	7.49	7.74	16.7	2.91	3.67
Malawi	6.81	6.98	15.32	2.67	3.25
Malaysia	210.24	218.05	467.07	85.7	97.57
Maldives	99.34	102.24	211.03	42.26	45.05
Mali	10.29	10.78	22.94	4.21	4.99
Malta	420.3	442.57	929.22	172.22	206.48
Marshall Islands	23.76	25.26	53.23	10.05	11.69
Mauritania	21.2	22.34	47.74	8.52	10.26
Mauritius	200.48	207.34	440.92	79.54	95.37
Mexico	219.45	230.73	486.8	88.79	105.16
Micronesia (Federated States of)	36.64	37.63	78.64	14.67	16.66
Monaco	2678.58	2826.83	6511.8	1074.52	1347.45



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	43.61	46.43	97.97	17.22	21.39
Montenegro	176.86	187.89	407.36	72.36	88.84
Morocco	53.08	55.15	117.65	19.56	24.65
Mozambique	7.13	7.46	15.58	2.81	3.37
Myanmar	10	10.56	22.94	4.05	4.94
Namibia	79.29	82.95	171.87	32.12	37.96
Nauru	22.07	23.56	51.41	9.17	10.98
Nepal	11.53	12.22	28.29	4.58	5.76
Netherlands	697.08	732.47	1700.81	262.58	361.91
New Zealand	464.66	475.12	1007.66	175.03	205.58
Nicaragua	37.71	39.95	87.08	15.61	18.31
Niger	4.64	4.72	10.17	1.74	2.18
Nigeria	22.61	24.17	51.42	9.04	11.39
Niue	331.61	341.84	735.54	125.03	155.57
Norway	1026.85	1068.19	2418.24	411.56	498.01
Oman	317.71	324.84	705.53	126.8	146.01
Pakistan	26.18	26.95	58.06	10.6	12.55
Palau	241.97	254.28	550.64	95.63	120.86
Panama	183.74	194.82	419.1	74.69	90.99
Papua New Guinea	23.86	24.63	55.26	9.54	11.61
Paraguay	67.6	70.94	149.74	27.83	32.53
Peru	118.43	121.29	258.6	46.09	58.06
Philippines	41.86	44.07	93.13	16.75	20.73
Poland	290.54	302.82	645.02	120.26	133.56
Portugal	387.92	408.17	919.68	152.34	195.39
Qatar	1464.13	1528.54	3381.27	545.95	720.1
Republic of Korea	444.03	452.97	943.99	177.16	202.12
Republic of Moldova	32.21	33.67	70.8	13.11	14.84
Romania	202.65	210.68	466.93	88.23	96.38
Russian Federation	300.04	313.35	678.27	114.96	154.36
Rwanda	9.85	10.34	23.9	4.24	4.85
Saint Kitts and Nevis	248.01	261.62	577.25	100.78	121.59
Saint Lucia	143	150.53	304.94	59.8	66.73
Saint Vincent and the Grenadines	133.33	139.81	299.28	52.31	66.18
Samoa	45.76	48.17	100.06	17.76	21.87
San Marino	841.44	862.77	1918.51	331.06	401.7
Sao Tome and Principe	16.95	17.89	37.83	6.39	8.15
Saudi Arabia	350.3	367.18	797.77	149.12	167.71
Senegal	17	17.42	36.68	6.63	7.87
Serbia	142.45	149.01	321.1	59.8	67.88
Seychelles	342.53	360.53	765.92	143.12	161.52
Sierra Leone	9.2	9.36	19.72	3.62	4.2
Singapore	1031.44	1104.01	2366.29	435.69	500.88
Slovakia	346.11	367.41	786.64	138.25	179.51
Slovenia	408.4	429.02	868.91	159.69	190.92
Solomon Islands	27.32	28.68	63.28	11.5	13.55
Somalia	NA	NA	NA	NA	NA
South Africa	130.83	137.45	295.29	49.57	63.41
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	500.4	536.66	1172.07	209.5	248.19
Sri Lanka	56.6	58.97	126.67	23.33	27.39
Sudan	24.54	25.6	56.58	9.77	12.65
Suriname	95.63	98.61	199.38	37.71	43.96
Swaziland	58.73	62.3	131.96	24.04	28.44
Sweden	650.28	667.54	1382.35	261.19	297.03
Switzerland	842.31	885	1982.62	330.2	422.26
Syrian Arab Republic	65.42	67.82	143.07	25.8	31.31
Tajikistan	18.03	19.08	40.51	7.41	8.52
Thailand	109.89	114.33	248.03	42.15	52.13
The former Yugoslav Republic of Macedonia	143.7	147.78	308.57	54.91	67.46
Timor-Leste	13.47	13.79	30.4	5.21	6.44
Togo	7.71	8.12	16.45	3.28	3.42
Tonga	50.04	51.27	114.46	19.71	23.74
Trinidad and Tobago	396.59	410.29	916.22	161.32	197.09
Tunisia	118.99	126.17	288.89	47.1	61.01
Turkey	219.99	232.23	505.62	86.19	107.32
Turkmenistan	99.42	103.8	229.96	38.48	49.65
Tuvalu	26.57	27.93	62.94	10.4	13.16
Uganda	10.68	11.46	25.35	4.27	5.34
Ukraine	78.23	80.33	172.97	29.96	36.26
United Arab Emirates	705.15	740.8	1629.96	294.82	338.45
United Kingdom	572.88	612.29	1397.2	218.78	299.66
United Republic of Tanzania	12.06	12.6	28.03	4.84	6.02
United States of America	797.05	834.13	1789.65	318.51	375.56
Uruguay	188.63	198.28	421.16	79.22	90.64
Uzbekistan	31.94	33.35	71.19	13.36	15.64
Vanuatu	48.27	50.09	104.31	19.52	22.43
Venezuela (Bolivarian Republic of)	159.07	165.25	362.28	64.98	76.45
Viet Nam	31.6	33.45	70.17	13.18	14.85
Yemen	24.37	25.56	55.7	10.35	11.49
Zambia	13.45	13.61	28.98	5.2	6.4
Zimbabwe	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	34.87	36.28	79.91	14.04	16.97
AFRO E	28.38	30.29	64.06	11.75	13.63
AMRO A	976.25	1026.92	2252.02	385.07	485.89
AMRO B	214.88	228.86	492.06	88.9	108.08
AMRO D	99.8	105.63	241.73	42.13	50.67
Andean Latin America	132.9	135.3	281.71	56.72	60.02
Australasia	851.3	885.52	1844.31	323.1	416.02
Caribbean	88.1	90.45	193.14	35.15	40.15
Central Asia	91.04	93.49	198.21	35.99	43.2
Central Europe	330.09	345.23	762.93	130.75	163.33
Central Latin America	208.59	218.31	452.34	87.59	99.01
Central Sub-Saharan Africa	25.7	26.25	57	9.87	11.46
EMRO B	311.9	321.97	662.26	123.44	148.86
EMRO D	45.83	48.27	107.41	18.57	21.74
EURO A	729.63	774.86	1722.65	293.21	370.14
EURO B	224.71	229.55	490.99	89.93	105.61
EURO C	302.59	313.59	686.77	125.72	142.63
East Asia	114.23	119.82	266.93	45.6	56.08
Eastern Europe	305.62	316.06	671.52	121.52	148.49
Eastern Sub-Saharan Africa	15.08	16.19	34.92	5.62	7.68
High Income Asia Pacific	678.39	735.35	1688.08	257.22	371.9
High Income North America	1011.13	1104.96	2451.26	440.35	527.29
North Africa and the Middle East	194.23	196.79	410.72	75.71	87.22
Oceania	36.1	37.42	78.86	14.12	17.02
SEARO B	76.51	78.8	173.8	29.86	36.67
SEARO D	41.43	44.36	95.96	17.45	20.52
South Asia	40.79	41.94	89.71	16.21	19.13
Southeast Asia	68.03	72.71	152.23	29.45	32.87
Southern Latin America	299.64	313.93	674.14	121.64	144.97
Southern Sub-Saharan Africa	161.72	170.64	352.53	64.07	76.06
Tropical Latin America	184.14	191.51	417.33	71.09	91.3
WPRO A	739.7	760.79	1681.43	315.91	354.1
WPRO B	118.91	124.22	268.16	48.02	57.43
Western Europe	740.32	757.51	1659.15	297.87	351.33
Western Sub-Saharan Africa	22.6	23.52	48.81	9.22	10.39
Afghanistan	5.63	5.85	12.63	2.26	2.72
Albania	139.12	146.45	314.09	53.98	70.3
Algeria	126.3	134.41	278.63	52.49	60.42
Andorra	934.99	953.04	1954.48	364.19	425.85
Angola	82.26	84.66	181.57	34.43	39.1
Antigua and Barbuda	366.01	382.45	839.5	153.85	180.13
Argentina	286.31	297.22	637.8	117.93	137.5
Armenia	83.52	87.26	183.16	33.57	42.05
Australia	901.75	933.13	2119	364.06	441.7
Austria	868.11	933.49	2029.34	334.8	438.57
Azerbaijan	161.09	170.85	357.21	65.24	77.87
Bahamas	611.34	647.74	1393.26	253.76	295.75
Bahrain	382.36	400.24	871.6	153.11	187.37
Bangladesh	18.82	19.86	41.25	7.91	8.78

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

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Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Barbados	424.53	442.19	956.35	181.91	192.99
Belarus	242.44	251.18	530.26	100.93	114.58
Belgium	806.03	846.07	1864.64	322.14	380.88
Belize	114.84	121.64	248.34	48.66	52.9
Benin	16.98	17.45	38.5	6.82	7.97
Bhutan	81.92	85.73	187.72	32.67	38.07
Bolivia Plurinational States of	66.94	70.49	150.75	27.49	33.82
Bosnia and Herzegovina	135.31	141.27	314.72	53.58	63.97
Botswana	254.26	262.51	564.21	102.78	118.98
Brazil	36.43	37.96	78.69	14.63	16.61
Brunei Darussalam	1124.83	1168.65	2635.23	416.05	581.76
Bulgaria	242.75	254.94	556.17	89.85	115.29
Burkina Faso	14.03	14.38	30.96	5.6	6.58
Burundi	4.93	5.35	11.96	1.88	2.61
Côte d'Ivoire	23.45	23.94	48.44	9.24	10.51
Cabo Verde Republic of	53.98	56.2	118.5	21.16	25.87
Cambodia	26.27	27.62	56.92	11.12	12.49
Cameroon	26.45	27.39	56.34	11.54	11.91
Canada	835.1	869.98	1869.47	331.92	403.22
Central African Republic	8.02	8.18	16.74	3.24	3.78
Chad	16.04	17.12	36.93	6.37	7.59
Chile	342.87	358.13	788.96	148.41	162.49
China	114.23	118.92	266.05	44.98	58.39
Colombia	151.97	160.1	341.88	58.16	73.69
Comoros	12.77	13.67	29.47	5.27	6.15
Congo	57.69	60.92	129.68	23.45	27.75
Cook Islands	152.25	155.89	334.99	59.73	71.53
Costa Rica	195.62	206.86	426.9	75.74	94.28
Croatia	346.44	353.05	704.02	136.78	160.72
Cuba	53.69	55.63	117.73	20.88	25.83
Cyprus	612.15	637.29	1379.9	239.56	292.01
Czech Republic	498.02	512.61	1143.91	192.74	233.04
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	3.25	3.35	7.2	1.32	1.52
Denmark	873.52	904.02	1923.45	353.39	413.27
Djibouti	29.29	30.84	62.48	12.1	13.44
Dominica	208.69	216.47	431.25	91.98	96.39
Dominican Republic	149.03	156.08	349.23	60.78	73.99
Ecuador	140.78	151.41	322.49	61.03	68.84
Egypt	92.77	95.97	192.22	37.04	41.45
El Salvador	100.18	104.95	227.66	38.67	48.73
Equatorial Guinea	569.99	598.53	1228.75	226.12	288.41
Eritrea	4.59	4.88	10.85	1.76	2.31
Estonia	379.15	386.46	803.39	151.59	172.39
Ethiopia	10.37	10.98	22.96	4.14	4.97
Fiji	65.22	68.78	144.25	26.85	31.42
Finland	757.81	789.39	1631.95	286.26	358.96
France	717.29	756.24	1688.33	301.6	346.7
Gabon	249.56	255.37	552.09	97.04	122.54

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

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Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	23.49	24.62	53.78	9.06	11.38
Georgia	73.86	75.68	160.89	29.25	33.35
Germany	796.23	819.43	1820.4	303.06	388.29
Ghana	19.25	20.37	43.01	7.95	9.49
Greece	548.82	569.3	1206.52	226.01	260.5
Grenada	172.33	174.81	394.78	66.22	80.21
Guatemala	68.12	71.71	154.05	27.79	33.6
Guinea	10.51	11.05	24.41	4.04	5.21
Guinea-Bissau	12.62	13.31	28.78	5.26	6.01
Guyana	38.71	40.33	87.31	14.97	18.45
Haiti	11.98	12.51	25.09	4.78	5.25
Honduras	51.95	54.21	115.22	22.12	24.46
Hungary	388.11	404.33	889.7	153.53	191.39
Iceland	743.51	798.93	1685.64	315.36	368.02
India	46.39	49.03	110.27	18.47	23.06
Indonesia	59.97	62.97	139.86	23.33	28.97
Iran (Islamic Republic of)	267.54	275.03	591.28	110.21	125.87
Iraq	50.9	53.15	113.12	20.53	23.91
Ireland	883.51	926.77	2002.58	334.11	438.04
Israel	537.91	567.92	1202.87	208.84	263.06
Italy	660.11	700.95	1480.08	262.41	321.23
Jamaica	114.72	117.54	249.64	46.82	50.79
Japan	693.3	732.86	1639.37	265.23	378.3
Jordan	83.63	87.64	185.27	33.28	39.94
Kazakhstan	212.55	216.6	481.29	83.58	98.63
Kenya	18.91	19.45	41.76	7.2	9.01
Kiribati	28.86	30.38	67.48	12.19	14.02
Kuwait	781.64	810.1	1692.93	321.91	352.8
Kyrgyzstan	28.42	29.72	63.52	11.57	13.62
Lao People's Democratic Republic	31.27	33.04	70.95	12.9	15.06
Latvia	309.17	325.88	689.49	128.9	145.28
Lebanon	237.49	249.27	517.44	94.92	111.2
Lesotho	20.95	21.75	47.81	8.03	10.19
Liberia	5.14	5.49	11.89	2.01	2.63
Libya	315.97	326.43	692.26	123.11	145.71
Lithuania	335.06	342.86	724.53	136.72	159.05
Luxembourg	2119.42	2213.3	4871.13	830.31	1025.48
Madagascar	9.69	10.31	21.87	3.81	4.67
Malawi	8.81	8.87	18.78	3.43	4.17
Malaysia	271.9	281.62	628.9	106.91	136.13
Maldives	128.48	131.65	274.74	52.49	61.23
Mali	13.31	14.4	30.34	5.45	6.59
Malta	543.57	569.36	1178.35	222.23	251.07
Marshall Islands	30.73	31.95	68.73	11.98	15.19
Mauritania	27.41	28.23	61.63	10.6	13.18
Mauritius	259.28	271.55	609.32	104.06	126.71
Mexico	283.82	293.7	648.78	109.51	136.27
Micronesia (Federated States of)	47.39	50.59	107.49	19.71	23.4
Monaco	3464.21	3663.75	7993.01	1324.25	1805.05

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	56.4	57.39	124.54	23.58	27.11
Montenegro	228.74	233.76	515.35	93.83	106.23
Morocco	68.65	70.36	148.1	27.73	31.62
Mozambique	9.23	9.76	21.8	3.56	4.62
Myanmar	12.94	13.99	30.59	4.95	6.73
Namibia	102.54	106.99	226.4	40.03	47.87
Nauru	28.54	30.78	67.03	11.34	14.71
Nepal	14.91	15.46	31.9	5.86	6.9
Netherlands	901.54	945.65	2082.11	357.73	448.63
New Zealand	600.95	643.61	1435.42	230.97	323.03
Nicaragua	48.77	50.76	108.83	18.75	23.04
Niger	6	6.26	13.29	2.32	2.88
Nigeria	29.24	30.79	64.69	11.47	13.96
Niue	428.87	441.44	931.67	161.7	199.32
Norway	1328.02	1397.83	3049.55	499.95	655.06
Oman	410.9	419.32	891.07	158.48	191.66
Pakistan	33.86	35.41	79.39	13.8	17
Palau	312.94	329.15	720.1	128.17	147.95
Panama	237.63	245.79	542.15	103.91	112.17
Papua New Guinea	30.85	32.73	71.48	12.38	15.45
Paraguay	87.42	94.24	207.66	35.09	44.74
Peru	153.17	163.23	366.23	59.75	77.47
Philippines	54.13	56.41	116.24	21.75	24.89
Poland	375.75	389.28	847.25	154.9	175.09
Portugal	501.7	521.43	1159.46	196.57	249.67
Qatar	1893.55	1974.75	4398.39	732.64	914.32
Republic of Korea	574.27	611.42	1394.49	231.19	303.8
Republic of Moldova	41.66	42.95	94.33	16.58	19.21
Romania	262.09	272.2	577.31	104.03	123.74
Russian Federation	388.04	407.34	925.76	153.69	197.33
Rwanda	12.75	13.39	28.97	4.91	6.3
Saint Kitts and Nevis	320.75	327.33	718.87	126.79	152.83
Saint Lucia	184.95	197.22	418.39	75.19	89.81
Saint Vincent and the Grenadines	172.44	178.91	385.73	70.2	82.74
Samoa	59.18	61.72	138.55	23.72	29.24
San Marino	1088.23	1119.99	2389.01	395.79	531.41
Sao Tome and Principe	21.92	23.1	48.75	9.3	10.07
Saudi Arabia	453.05	482.74	1092.77	180.02	244.34
Senegal	21.99	23.11	49.27	9.26	10.44
Serbia	184.23	193.14	412.22	78.84	85.65
Seychelles	442.99	464.93	1064.83	193.56	219.77
Sierra Leone	11.9	12.6	26.91	5.01	5.69
Singapore	1333.96	1422.47	2882.34	505.92	644.25
Slovakia	447.63	469.07	943.03	197.1	202.02
Slovenia	528.18	558.54	1258.85	218.1	269.47
Solomon Islands	35.33	36.59	76.01	15.15	16.08
Somalia	NA	NA	NA	NA	NA
South Africa	169.2	175.67	360.99	71.47	77.22
South Sudan	NA	NA	NA	NA	NA



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level (without drugs)  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	647.17	657.22	1345.17	262.79	289.51
Sri Lanka	73.2	77.08	172.73	29.22	36.64
Sudan	31.74	32.39	68.66	13.12	14.04
Suriname	123.68	130.49	270.75	51.23	60.4
Swaziland	75.96	79.04	170.81	31.4	37.92
Sweden	841	888.8	1957.45	334.79	424.87
Switzerland	1089.37	1144.88	2510.71	432.57	532.85
Syrian Arab Republic	84.61	89.34	189.11	35.99	44
Tajikistan	23.32	24.23	52.51	9.45	11.19
Thailand	142.12	150.31	321.15	59.61	68.8
The former Yugoslav Republic of Macedonia	185.85	194.95	416.53	72.11	89.79
Timor-Leste	17.42	18.24	39.21	6.81	8.49
Togo	9.97	10.17	21.95	3.79	4.71
Tonga	64.72	67.31	139.91	26.18	30.32
Trinidad and Tobago	512.91	530.2	1093.57	206.62	239.19
Tunisia	153.89	158.74	347.28	59.81	74.53
Turkey	284.51	291.54	596.94	115.18	127.4
Turkmenistan	128.58	131.15	282.21	44.01	60.03
Tuvalu	34.36	35.25	74.26	13.81	15.53
Uganda	13.82	14.13	29.11	5.43	6.52
Ukraine	101.18	105.99	214.45	43.49	47.36
United Arab Emirates	911.98	952.57	2097.89	381.38	426.29
United Kingdom	740.9	767.92	1664.19	289.87	367.7
United Republic of Tanzania	15.6	15.98	33.29	6.2	7.14
United States of America	1030.83	1093.51	2426.98	415.16	535.63
Uruguay	243.95	249.37	506.27	102.58	106.04
Uzbekistan	41.31	42.26	90.79	16.23	19.21
Vanuatu	62.42	66.31	145.65	24.98	30.54
Venezuela (Bolivarian Republic of)	205.72	214.35	489.09	81.32	103.06
Viet Nam	40.86	41.77	88.93	16.44	18.86
Yemen	31.52	32.7	66.42	12.36	14.78
Zambia	17.39	18.02	39.09	6.93	8.71
Zimbabwe	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (no beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	4.54	4.52	13.5	0.98	3.33
AFRO E	3.91	4.03	11.67	0.82	3.21
AMRO A	50.99	52.1	147.19	10.42	42.37
AMRO B	16.99	16.27	46.99	3.23	12.08
AMRO D	9.73	10.26	31.67	1.86	8.54
Andean Latin America	11.98	12.07	38.59	2.56	9.46
Australasia	46.16	46.17	138.6	9.49	37.03
Caribbean	8.89	8.73	27.49	1.7	7.11
Central Asia	9.11	8.97	25.82	1.81	6.87
Central Europe	23.2	22.92	71.31	4.6	17.43
Central Latin America	16.63	16.68	46.65	3.35	13.09
Central Sub-Saharan Africa	3.63	3.67	11.12	0.72	2.87
EMRO B	22.27	22.38	67.24	4.99	18.2
EMRO D	5.53	5.52	16.36	1.11	4.37
EURO A	41.27	40.95	122.59	8.16	31.26
EURO B	17.55	17.74	55.82	3.46	13.83
EURO C	21.78	22.1	68.98	4.13	16.97
East Asia	10.74	10.73	32.08	2.31	8.31
Eastern Europe	21.94	22.23	66.54	4.74	16.56
Eastern Sub-Saharan Africa	2.47	2.47	7.54	0.52	1.97
High Income Asia Pacific	39.15	39.56	119.76	7.78	30.24
High Income North America	52.31	50.96	155.61	10.54	39.53
North Africa and the Middle East	15.79	16.08	51.87	3.31	12.79
Oceania	4.65	4.54	13.57	0.91	3.3
SEARO B	8.03	7.95	23.7	1.6	5.99
SEARO D	5.14	5.05	14.93	1	3.92
South Asia	5.08	5.14	15.51	1.02	4.24
Southeast Asia	7.37	7.32	22.07	1.54	5.63
Southern Latin America	21.63	21.12	64.88	4.28	16.43
Southern Sub-Saharan Africa	13.82	13.73	44.35	2.63	10.69
Tropical Latin America	15.19	15.28	47.47	3.03	11.88
WPRO A	41.69	42.34	125.64	8.53	33.46
WPRO B	11.05	10.88	31.92	2.13	8.55
Western Europe	41.71	41.88	132.75	8.11	33.03
Western Sub-Saharan Africa	3.31	3.33	9.91	0.73	2.44
Afghanistan	1.21	1.17	3.56	0.24	0.87
Albania	12.39	11.95	35.34	2.55	8.93
Algeria	11.55	11.37	33.06	2.32	8.64
Andorra	49.42	48.22	144.18	10.32	36.7
Angola	8.46	8.53	24.67	1.7	6.64
Antigua and Barbuda	25.01	24.09	69.66	5	17.77
Argentina	20.92	21.15	68.04	4.1	16.31
Armenia	8.55	8.64	27.92	1.78	7
Australia	48.13	46.71	139.75	9.99	37.5
Austria	46.82	47.57	142.44	10.08	34.97
Azerbaijan	13.78	13.95	42.55	2.74	11.01
Bahamas	36.3	37.13	112.05	7.11	29.07
Bahrain	25.82	25.66	77.74	5.19	19.68
Bangladesh	2.9	2.83	8.49	0.6	2.26

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (no beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Barbados	27.85	27.61	86.9	5.34	21.08
Belarus	18.54	18.01	53.44	3.84	13.79
Belgium	44.37	44.91	136.93	8.98	34.4
Belize	10.78	10.83	33.92	2.16	8.4
Benin	2.69	2.56	7.69	0.58	1.99
Bhutan	8.43	8.29	25.8	1.75	6.73
Bolivia Plurinational States of	7.28	7.42	23.01	1.48	5.77
Bosnia and Herzegovina	12.14	12.09	36.5	2.58	8.8
Botswana	19.2	19.1	58.22	3.94	15.01
Brazil	3.22	3.27	10.23	0.65	2.58
Brunei Darussalam	56.51	57.37	170.69	11.85	43.04
Bulgaria	18.56	18.54	57.94	3.45	15.13
Burkina Faso	2.34	2.33	7.07	0.5	1.86
Burundi	1.1	1.08	3.24	0.22	0.87
Côte d'Ivoire	3.4	3.4	10.12	0.67	2.59
Cabo Verde Republic of	6.23	6.16	19.25	1.26	4.84
Cambodia	3.69	3.77	11.63	0.73	3.05
Cameroon	3.71	3.82	12.07	0.79	2.98
Canada	45.52	46.53	153.7	9.22	39.39
Central African Republic	1.56	1.56	4.96	0.33	1.24
Chad	2.58	2.55	7.45	0.53	1.97
Chile	23.85	23.06	68.53	5.13	17.75
China	10.74	10.54	31.55	2.26	7.8
Colombia	24.75	24.41	73.67	5.2	18.83
Comoros	2.19	2.2	6.7	0.46	1.69
Congo	6.54	6.69	19.42	1.42	5.03
Cook Islands	13.23	13.61	43.37	2.76	11.51
Costa Rica	15.87	15.63	48.19	3.19	12.28
Croatia	24.03	24.19	74.65	4.65	19.59
Cuba	6.21	6.07	18.13	1.19	4.65
Cyprus	36.33	35.8	107.05	7.85	26.55
Czech Republic	31.28	31.32	92.13	6.41	22.1
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	0.81	0.82	2.65	0.17	0.63
Denmark	47.04	47.15	138.02	9.76	34.27
Djibouti	4	4.06	12.06	0.8	2.98
Dominica	16.63	16.9	52.66	3.32	14.47
Dominican Republic	13.02	13.19	37.54	2.59	9.94
Ecuador	12.5	12.78	38.49	2.73	9.95
Egypt	9.23	9.08	27.72	1.82	7.54
El Salvador	9.76	9.96	30.98	1.93	8.02
Equatorial Guinea	34.5	34.59	103.09	7.36	26.47
Eritrea	1.04	1.03	3.14	0.21	0.84
Estonia	25.66	26.22	80.72	5.38	20
Ethiopia	1.88	1.89	5.87	0.37	1.51
Fiji	7.15	7.02	21.29	1.39	5.54
Finland	42.42	42.66	130.9	8.17	33.42
France	40.76	42.67	146.99	8.69	34.82
Gabon	18.94	18.86	56.56	4.01	14.43

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (no beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	3.4	3.35	10.25	0.76	2.62
Georgia	7.82	8.04	24.04	1.49	6.16
Germany	43.98	44.44	136.45	9.12	33.92
Ghana	2.95	2.84	8.84	0.56	2.3
Greece	33.56	33.24	102.14	6.83	26.02
Grenada	14.47	14.12	40.99	2.84	10.8
Guatemala	7.38	7.2	21	1.42	5.89
Guinea	1.9	1.9	5.81	0.39	1.49
Guinea-Bissau	2.17	2.11	6.49	0.44	1.66
Guyana	4.89	4.92	15.91	0.96	3.98
Haiti	2.09	2.13	6.41	0.41	1.61
Honduras	6.06	6.07	19.33	1.22	4.76
Hungary	26.1	25.56	76.85	5.25	19.38
Iceland	41.84	41.84	125.94	8.72	31.01
India	5.58	5.58	16.66	1.15	4.22
Indonesia	6.72	6.85	21.12	1.31	5.49
Iran (Islamic Republic of)	19.92	19.64	59.47	4.07	15.14
Iraq	5.97	5.82	17.05	1.24	4.48
Ireland	47.43	46.94	145.6	9.24	35.64
Israel	33.08	33.25	103.69	6.62	26.77
Italy	38.38	37.84	113.33	7.55	28.19
Jamaica	10.77	10.79	31.97	2.29	8.02
Japan	39.77	38.96	123.77	7.86	30.33
Jordan	8.56	8.46	24.33	1.79	6.48
Kazakhstan	16.85	16.77	50.96	3.39	13.08
Kenya	2.91	2.97	8.86	0.59	2.2
Kiribati	3.95	3.88	11.63	0.89	2.81
Kuwait	43.39	42.47	133.51	8.53	33.73
Kyrgyzstan	3.91	3.98	12.57	0.78	3.18
Lao People's Democratic Republic	4.19	4.19	12.98	0.88	3.11
Latvia	22.12	21.42	65.62	4.5	16.41
Lebanon	18.27	18.04	52.94	3.75	13.63
Lesotho	3.13	3.09	8.78	0.64	2.25
Liberia	1.13	1.12	3.36	0.22	0.88
Libya	22.48	21.78	63.02	4.16	16.24
Lithuania	23.46	23.55	68.47	5.04	17.81
Luxembourg	89.53	90.8	278.79	17.94	73.27
Madagascar	1.79	1.72	5.1	0.35	1.28
Malawi	1.67	1.67	5.25	0.35	1.3
Malaysia	20.15	20.04	62.76	3.97	15.81
Maldives	11.69	11.66	36.18	2.49	8.79
Mali	2.25	2.22	6.67	0.45	1.64
Malta	33.33	34.52	107.39	6.86	27.14
Marshall Islands	4.14	4.13	12.97	0.89	3.25
Mauritania	3.81	3.79	11.71	0.75	3.11
Mauritius	19.47	19.63	59.42	4.11	15.19
Mexico	20.79	19.55	58.13	4.05	14.75
Micronesia (Federated States of)	5.67	5.59	17.06	1.18	4.27
Monaco	127.91	127.95	410.78	26.52	100.64

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (no beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	6.43	6.45	21.08	1.27	5.12
Montenegro	17.78	17.69	51.63	3.63	13.26
Morocco	7.42	7.38	22.91	1.49	5.79
Mozambique	1.73	1.65	4.86	0.33	1.21
Myanmar	2.21	2.15	6.45	0.47	1.72
Namibia	9.93	9.66	28.81	2.09	7.28
Nauru	3.92	3.8	11.21	0.78	2.96
Nepal	2.45	2.4	7.51	0.52	1.82
Netherlands	48.13	48.26	145.74	9.55	37.79
New Zealand	35.85	36.46	113	7.47	29.73
Nicaragua	5.79	5.93	18.17	1.11	4.88
Niger	1.26	1.25	3.82	0.27	0.92
Nigeria	3.99	3.98	12.39	0.78	3.1
Niue	28.06	27.63	82.16	5.58	20.89
Norway	63.76	62.86	186.61	13.94	46.44
Oman	27.2	26.96	84.4	5.32	21.02
Pakistan	4.44	4.49	13.36	0.94	3.33
Palau	22.32	22.01	61.95	4.62	15.49
Panama	18.28	18.57	57.05	3.7	14.46
Papua New Guinea	4.15	4.09	12.47	0.84	3.17
Paraguay	8.84	8.72	25.51	1.94	6.52
Peru	13.29	13.37	40.35	2.84	10
Philippines	6.24	6.11	17.93	1.37	4.56
Poland	25.49	25.31	75.99	5.68	18.52
Portugal	31.44	32	98.24	6.73	24.01
Qatar	82.49	80.15	251.99	15.77	60.99
Republic of Korea	34.69	34.7	103.24	6.99	26.05
Republic of Moldova	5.16	5.2	16.88	1.09	4.12
Romania	19.62	18.98	57.29	3.83	14.63
Russian Federation	26.09	25.6	80.3	5.49	19.72
Rwanda	2.18	2.2	6.65	0.45	1.66
Saint Kitts and Nevis	22.72	22.96	67.99	4.68	17.83
Saint Lucia	15.23	15.48	45.11	3.26	11.39
Saint Vincent and the Grenadines	14.48	14.4	42.46	3.04	10.55
Samoa	6.66	6.37	19.64	1.33	5.22
San Marino	55.17	55.71	171.86	12.38	45.58
Sao Tome and Principe	3.24	3.24	9.98	0.63	2.53
Saudi Arabia	29.2	28.89	88.04	5.67	22.12
Senegal	3.25	3.33	10.16	0.66	2.73
Serbia	15.19	14.87	43.2	3.01	11.72
Seychelles	28.73	28.77	95.63	5.91	22.52
Sierra Leone	2.08	2.1	6.39	0.4	1.62
Singapore	63.96	62.94	180.04	13.59	46.64
Slovakia	28.95	29.08	89.2	5.66	21.72
Slovenia	32.64	33.99	103.54	7.04	28.38
Solomon Islands	4.58	4.64	13.65	1.03	3.41
Somalia	NA	NA	NA	NA	NA
South Africa	14.28	14.65	47.23	3.13	11.68
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (no beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	37.83	37.91	115.5	7.29	30.18
Sri Lanka	7.77	7.73	22.8	1.58	5.75
Sudan	4.24	4.23	12.56	0.81	3.35
Suriname	11.37	11.24	32.5	2.43	8.39
Swaziland	7.98	8.03	24.9	1.72	6.17
Sweden	45.76	44.35	131.2	9.42	33.68
Switzerland	55.22	54.76	164.19	11.47	40.48
Syrian Arab Republic	8.63	8.56	25.79	1.76	6.41
Tajikistan	3.39	3.49	10.75	0.7	2.76
Thailand	12.58	12.57	38.58	2.49	9.54
The former Yugoslav Republic of Macedonia	15.29	15.64	48.62	3.19	12.1
Timor-Leste	2.74	2.68	8.04	0.56	1.95
Togo	1.83	1.82	5.15	0.39	1.44
Tonga	7.11	7.16	21.12	1.48	5.63
Trinidad and Tobago	31.95	30.88	90.04	6.67	22.24
Tunisia	13.33	13.45	41.3	2.87	10.46
Turkey	20.83	20.53	61.34	4.23	15.68
Turkmenistan	11.7	11.72	35.51	2.31	9.29
Tuvalu	4.49	4.43	14.04	0.9	3.49
Uganda	2.32	2.36	6.86	0.46	1.77
Ukraine	9.83	9.78	31.17	2.01	7.94
United Arab Emirates	48.53	48.28	150.15	9.95	38.59
United Kingdom	41.73	43.05	143.27	8.7	35.89
United Republic of Tanzania	2.53	2.61	7.93	0.54	2.05
United States of America	53.04	52.5	153.67	10.33	40.37
Uruguay	18.63	18.35	58.04	3.8	14.07
Uzbekistan	5.13	5.12	15.52	1.14	3.91
Vanuatu	6.92	6.98	21.6	1.33	5.64
Venezuela (Bolivarian Republic of)	16.46	16.6	51.55	3.52	13.14
Viet Nam	5.09	5.08	15.44	0.98	3.93
Yemen	4.22	4.18	12.46	0.91	3.18
Zambia	2.74	2.72	8.84	0.56	2.26
Zimbabwe	NA	NA	NA	NA	NA



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (with beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	5.6	5.57	16.38	1.23	4.09
AFRO E	4.82	4.69	13.74	1.02	3.41
AMRO A	62.93	60.38	179.59	12.11	46.9
AMRO B	20.97	20.84	61.35	4.25	15.38
AMRO D	12.01	11.9	36.31	2.59	9.29
Andean Latin America	14.79	14.92	47.68	3.16	11.51
Australasia	56.97	56.16	171.11	11.5	42.5
Caribbean	10.97	10.85	31.63	2.21	7.74
Central Asia	11.24	11.13	33.91	2.28	8.63
Central Europe	28.63	28.54	85.6	5.9	21.78
Central Latin America	20.52	20.5	63.92	4.18	16.08
Central Sub-Saharan Africa	4.49	4.44	13.62	0.92	3.48
EMRO B	27.48	27.28	85.62	5.74	21.16
EMRO D	6.83	6.65	20.61	1.48	5.34
EURO A	50.94	52.38	159.07	11.21	43.41
EURO B	21.66	21.41	68.82	4.53	16.7
EURO C	26.88	26.71	81.26	5.45	20.71
East Asia	13.25	13.13	39.93	2.6	9.98
Eastern Europe	27.08	26.43	73.67	5.78	19.48
Eastern Sub-Saharan Africa	3.05	3.15	9.93	0.66	2.57
High Income Asia Pacific	48.31	47.41	155.7	9.11	38.11
High Income North America	64.55	63.6	188.88	13.13	50.27
North Africa and the Middle East	19.48	19.9	63.12	3.97	15.83
Oceania	5.74	5.7	16.29	1.16	4.26
SEARO B	9.9	9.77	29.04	1.93	7.16
SEARO D	6.34	6.54	22.13	1.31	5.21
South Asia	6.27	6.21	17.91	1.26	4.72
Southeast Asia	9.09	9.63	31	1.81	7.67
Southern Latin America	26.69	27.21	83.96	5.81	20.84
Southern Sub-Saharan Africa	17.06	17.11	50.27	3.73	15.17
Tropical Latin America	18.74	18.45	53.61	3.86	13.86
WPRO A	51.45	50.87	153.97	9.84	39.23
WPRO B	13.64	13.4	40.76	2.6	10.23
Western Europe	51.48	52.65	163.69	10.36	42.3
Western Sub-Saharan Africa	4.09	4.02	12.31	0.85	3.11
Afghanistan	1.49	1.46	4.09	0.31	1.14
Albania	15.29	15.21	43.77	3.2	11.94
Algeria	14.25	13.88	43.98	2.98	11.69
Andorra	60.99	59.92	184.11	11.75	47.48
Angola	10.44	10.57	33.28	2.15	8.27
Antigua and Barbuda	30.86	30.33	86.93	6.7	24.39
Argentina	25.82	26.05	83.2	5.23	22.18
Armenia	10.56	10.71	34.61	2.18	8.39
Australia	59.4	60.44	176.95	12.45	45.36
Austria	57.79	57.82	179	11.87	45.13
Azerbaijan	17.01	16.55	49.8	3.67	13.37
Bahamas	44.8	43.81	133.94	9.43	34.42
Bahrain	31.86	31.97	98.85	6.98	25.79
Bangladesh	3.58	3.5	10.32	0.74	2.82

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (with beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Barbados	34.37	33.37	100.24	7.35	24.63
Belarus	22.89	23.24	68.65	4.57	17.65
Belgium	54.76	56.58	175.87	11.82	44.41
Belize	13.3	13.32	43.29	2.77	10.83
Benin	3.32	3.23	10.21	0.72	2.66
Bhutan	10.41	10.38	32.79	2.3	8.23
Bolivia Plurinational States of	8.99	8.86	25.78	1.91	6.4
Bosnia and Herzegovina	14.99	15.08	45.95	3.01	11.63
Botswana	23.69	23.56	74.33	4.23	19.26
Brazil	3.98	3.95	11.9	0.82	3.11
Brunei Darussalam	69.75	68.94	210.88	14.15	55.81
Bulgaria	22.91	22.53	71.28	5.03	17.48
Burkina Faso	2.89	2.85	9.06	0.55	2.53
Burundi	1.35	1.39	4.27	0.28	1.07
Cote d'Ivoire	4.2	4.16	12.13	0.86	3.45
Cabo Verde Republic of	7.69	7.67	23.23	1.53	5.99
Cambodia	4.56	4.53	13.44	0.98	3.23
Cameroon	4.58	4.39	12.87	0.98	3.38
Canada	56.18	55.09	168.26	11.34	42.14
Central African Republic	1.93	1.9	5.62	0.42	1.43
Chad	3.19	3.15	9.72	0.62	2.41
Chile	29.44	28.8	87.4	5.74	21.65
China	13.25	13.52	41.42	2.85	10.06
Colombia	30.54	30.64	102.05	6.23	24.59
Comoros	2.7	2.7	7.67	0.53	2.15
Congo	8.07	7.9	24.05	1.67	5.95
Cook Islands	16.33	16.06	48.53	3.35	12.36
Costa Rica	19.58	20.03	61.08	4.17	16.57
Croatia	29.66	29.55	85.94	6.18	21.78
Cuba	7.66	7.53	22.8	1.53	5.98
Cyprus	44.84	45.07	128.28	8.91	33.46
Czech Republic	38.6	39.03	123.08	8.12	31.68
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	1	0.98	2.86	0.21	0.77
Denmark	58.05	57.25	181.77	12.92	45.89
Djibouti	4.93	4.89	14.06	1.07	3.85
Dominica	20.53	20.27	60.14	4.04	15.66
Dominican Republic	16.07	15.83	48.57	3.11	11.99
Ecuador	15.42	15.2	45.18	3.23	11.29
Egypt	11.39	11.24	34.24	2.34	8.46
El Salvador	12.05	11.88	35.17	2.51	8.83
Equatorial Guinea	42.58	41.81	121.45	8.49	30.65
Eritrea	1.28	1.27	3.78	0.27	1.01
Estonia	31.67	31.63	91.65	6.8	23.67
Ethiopia	2.32	2.36	7.14	0.52	1.85
Fiji	8.82	8.81	25.41	1.89	6.47
Finland	52.36	52.62	154.36	11.38	40.19
France	50.31	51.96	163.9	9.95	42.79
Gabon	23.37	23.6	71.12	5.26	18.73

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (with beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	4.2	4.17	11.97	0.79	3.11
Georgia	9.65	9.59	28.04	1.89	7.16
Germany	54.27	52.8	157.94	11.18	37.87
Ghana	3.64	3.57	11.2	0.76	2.89
Greece	41.42	41.32	124.53	7.9	31.56
Grenada	17.86	17.47	54.73	3.64	14.75
Guatemala	9.1	8.9	27.77	1.82	6.91
Guinea	2.34	2.29	7.03	0.47	1.72
Guinea-Bissau	2.68	2.67	8.25	0.53	2.02
Guyana	6.04	5.92	18.15	1.19	4.42
Haiti	2.58	2.52	7.85	0.53	2
Honduras	7.48	7.24	21.57	1.58	5.5
Hungary	32.21	32.7	103.35	6.78	26.56
Iceland	51.64	52.79	160.44	11.19	40.47
India	6.89	6.67	19.87	1.38	4.9
Indonesia	8.3	8.27	25.73	1.66	6.25
Iran (Islamic Republic of)	24.58	23.78	68.53	5.28	16.95
Iraq	7.37	7.49	23.93	1.48	5.74
Ireland	58.53	56.62	174.45	11.64	45.44
Israel	40.82	40.41	133.99	7.91	32.89
Italy	47.36	49.14	153.76	9.44	41.1
Jamaica	13.29	12.84	38.23	2.78	9.55
Japan	49.08	48.76	145.76	10.16	37.46
Jordan	10.57	10.34	32.34	2.28	8.1
Kazakhstan	20.8	20.08	57.37	4.25	14.09
Kenya	3.59	3.61	10.93	0.71	2.65
Kiribati	4.88	4.86	14.6	1.09	3.58
Kuwait	53.55	53.36	160.18	10.84	40.96
Kyrgyzstan	4.83	4.95	15.83	1.02	3.95
Lao People's Democratic Republic	5.17	5.1	14.54	1.02	3.95
Latvia	27.3	27.1	82.32	5.25	21.56
Lebanon	22.55	22.79	72.85	4.47	19.91
Lesotho	3.87	3.92	11.54	0.82	3.14
Liberia	1.39	1.36	4.08	0.26	1
Libya	27.74	28.08	88	5.65	24.1
Lithuania	28.95	27.88	83.69	5.32	20.78
Luxembourg	110.49	110.62	328.14	21.15	86.67
Madagascar	2.21	2.22	6.63	0.42	1.66
Malawi	2.06	2.03	6.19	0.41	1.66
Malaysia	24.87	26.07	81.25	5.29	20.84
Maldives	14.43	14.33	44.37	3	11.71
Mali	2.78	2.71	8.19	0.54	1.99
Malta	41.13	42.12	135.89	8.46	35.92
Marshall Islands	5.11	4.97	14.92	1.08	3.81
Mauritania	4.7	4.68	14.3	0.92	3.65
Mauritius	24.03	23.82	70.83	4.95	17.17
Mexico	25.66	25.42	78.37	4.8	19.08
Micronesia (Federated States of)	6.99	7.19	22.05	1.58	5.55
Monaco	157.86	158.74	480.72	33.67	127.64

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (with beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	7.94	7.7	22.6	1.55	5.66
Montenegro	21.94	22.4	67.57	4.65	18.73
Morocco	9.16	9.07	27.28	1.74	7.09
Mozambique	2.13	2.15	6.46	0.45	1.68
Myanmar	2.73	2.75	8.4	0.58	2.13
Namibia	12.25	11.65	35.88	2.45	9.01
Nauru	4.84	4.73	13.94	0.96	3.5
Nepal	3.02	2.96	8.69	0.61	2.28
Netherlands	59.39	59.01	177.12	11.9	47.18
New Zealand	44.24	44.18	140.26	8.8	35.61
Nicaragua	7.14	6.86	19.75	1.37	5.1
Niger	1.56	1.62	5.12	0.33	1.27
Nigeria	4.93	4.97	15.39	0.99	3.78
Niue	34.63	34.7	104.55	7.68	25.6
Norway	78.69	78.4	239.33	15.11	61.4
Oman	33.57	33.24	97.76	6.75	23.53
Pakistan	5.48	5.48	17.22	1.1	4.3
Palau	27.55	27.34	81.13	5.42	20.61
Panama	22.55	22.2	67.35	4.76	16.89
Papua New Guinea	5.12	5.22	16.19	1.04	4.51
Paraguay	10.91	10.88	32.55	2.17	8.41
Peru	16.4	16.18	51.59	3.33	13.06
Philippines	7.7	7.48	23.16	1.58	6.16
Poland	31.46	32.12	101.5	6.91	24.9
Portugal	38.81	39.2	114.74	7.62	30.81
Qatar	101.81	106.35	332.7	20.37	91.6
Republic of Korea	42.81	43.83	130.81	9.34	33.95
Republic of Moldova	6.37	6.27	19.82	1.33	5.16
Romania	24.22	23.65	68.75	5.04	17.57
Russian Federation	32.2	32.59	100.85	6.47	27.42
Rwanda	2.7	2.8	8.45	0.58	2.33
Saint Kitts and Nevis	28.04	28.14	89.83	5.72	22.21
Saint Lucia	18.8	18.56	57.87	3.77	14.9
Saint Vincent and the Grenadines	17.87	17.6	55.48	3.47	13.67
Samoa	8.22	8.09	24.23	1.67	6.14
San Marino	68.09	70	216.9	14.21	54.39
Sao Tome and Principe	4	3.92	11.93	0.79	3.1
Saudi Arabia	36.04	36.08	109.31	6.78	28.6
Senegal	4.01	3.95	11.8	0.82	2.95
Serbia	18.75	19.03	57.7	4.01	14.89
Seychelles	35.45	34.47	106.02	7.33	27.26
Sierra Leone	2.56	2.55	7.55	0.49	1.95
Singapore	78.94	78.23	237.08	16.58	66.07
Slovakia	35.72	34.2	105.29	6.89	26.75
Slovenia	40.28	40.18	123.79	8.68	30.62
Solomon Islands	5.65	5.62	16.92	1.12	4.27
Somalia	NA	NA	NA	NA	NA
South Africa	17.63	17.44	52.75	3.61	13.33
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Health Centre (with beds)

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	46.69	46.46	133.73	10.05	34.72
Sri Lanka	9.59	9.55	28.92	1.88	6.94
Sudan	5.23	5.25	17.37	1.01	4.26
Suriname	14.04	13.74	42.95	2.87	10.22
Swaziland	9.85	9.55	30.22	2.12	7.1
Sweden	56.47	59.08	177.22	10.89	46.76
Switzerland	68.14	68.83	211.84	14.38	55.37
Syrian Arab Republic	10.66	10.52	32.15	2.13	8.48
Tajikistan	4.18	4.21	12.88	0.88	3.16
Thailand	15.53	15.33	44.7	3	11.94
The former Yugoslav Republic of Macedonia	18.87	19.32	58.01	4.02	15.3
Timor-Leste	3.38	3.46	10.9	0.69	2.83
Togo	2.26	2.21	6.61	0.45	1.69
Tonga	8.77	8.47	25.23	1.69	6.38
Trinidad and Tobago	39.43	38.93	114.28	8.36	28.71
Tunisia	16.45	16.73	51.76	3.53	13.38
Turkey	25.71	25.75	77.61	5.39	21.2
Turkmenistan	14.44	14.29	40.96	2.84	10.47
Tuvalu	5.54	5.49	16.21	1.18	4.39
Uganda	2.86	2.86	8.46	0.56	2.18
Ukraine	12.13	11.8	36.42	2.28	8.9
United Arab Emirates	59.89	59.87	188.68	11.86	44.75
United Kingdom	51.51	52.22	162.83	10.89	40.23
United Republic of Tanzania	3.12	3.12	9.52	0.67	2.75
United States of America	65.46	64.07	195.88	12.88	49.98
Uruguay	22.99	23.07	66.4	4.72	18.29
Uzbekistan	6.33	6.23	18.6	1.3	4.73
Vanuatu	8.54	8.5	27.1	1.76	6.75
Venezuela (Bolivarian Republic of)	20.31	20.18	61.14	4.13	15.65
Viet Nam	6.28	6.19	18.86	1.29	4.64
Yemen	5.2	5.07	14.69	1.04	3.72
Zambia	3.38	3.31	9.92	0.72	2.41
Zimbabwe	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Primary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	6.38	6.39	20.91	1.25	5.35
AFRO E	5.5	5.44	16.29	1.09	4.26
AMRO A	71.74	72.97	216.3	13.95	57.39
AMRO B	23.9	23.59	73.07	5.12	17.89
AMRO D	13.69	13.6	38.5	3.11	9.8
Andean Latin America	16.86	16.86	52.33	3.45	13.4
Australasia	64.95	65.97	202.32	13.06	51.34
Caribbean	12.51	12.33	37.43	2.53	9.15
Central Asia	12.81	12.5	36.05	2.64	9.41
Central Europe	32.64	32.19	99.73	6.84	24.67
Central Latin America	23.39	23.51	66.95	4.73	17.63
Central Sub-Saharan Africa	5.11	5.02	15.26	1.01	3.71
EMRO B	31.33	31.28	89.59	6.63	24
EMRO D	7.78	7.86	25	1.54	6.22
EURO A	58.06	57.02	176.56	12.65	44.34
EURO B	24.69	24.62	77.86	4.78	19.61
EURO C	30.64	31.47	95.46	6.55	25.63
East Asia	15.11	15.21	44.62	3.05	12.09
Eastern Europe	30.87	30.36	92.92	5.88	23.66
Eastern Sub-Saharan Africa	3.47	3.4	10.39	0.7	2.72
High Income Asia Pacific	55.07	56.08	164.87	11.98	43.22
High Income North America	73.59	73.52	230.02	14.59	57.44
North Africa and the Middle East	22.21	22.77	66.05	4.48	17.11
Oceania	6.54	6.41	18.71	1.32	4.71
SEARO B	11.29	11.17	33.14	2.33	8.16
SEARO D	7.23	7.21	21.57	1.48	5.82
South Asia	7.15	7.01	20.68	1.51	5.61
Southeast Asia	10.37	10.51	31.92	2.28	7.75
Southern Latin America	30.43	30.07	93.28	6.63	22.85
Southern Sub-Saharan Africa	19.44	19.41	57.16	4.07	14.18
Tropical Latin America	21.37	20.92	64.42	4.06	16.07
WPRO A	58.65	59.79	177.77	12.74	46.12
WPRO B	15.55	15.44	49.46	3.43	12.21
Western Europe	58.68	59.63	176.61	12.72	45.87
Western Sub-Saharan Africa	4.66	4.55	14	0.97	3.54
Afghanistan	1.7	1.69	5.06	0.33	1.33
Albania	17.43	17.07	49.81	3.71	12.21
Algeria	16.25	15.95	47.84	3.23	13.2
Andorra	69.52	67.29	205.6	13.76	54.16
Angola	11.9	11.51	34.62	2.33	8.6
Antigua and Barbuda	35.18	35.2	101.29	7.31	25.51
Argentina	29.44	29.27	90.98	5.69	22.67
Armenia	12.03	12.35	37.9	2.47	9.84
Australia	67.72	69.34	206.91	13.55	53.56
Austria	65.87	65.35	197.54	12.92	48.12
Azerbaijan	19.39	19.69	58.19	4.17	15.3
Bahamas	51.07	50.71	147.18	10.92	40.58
Bahrain	36.32	37.07	116.72	7.12	28.67
Bangladesh	4.08	4.05	13.13	0.8	3.35



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Primary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Barbados	39.19	39.96	119.73	7.33	31.97
Belarus	26.09	24.83	74.12	5.04	18.92
Belgium	62.42	61.08	185.23	12.45	47.3
Belize	15.16	14.53	43.3	2.95	10.97
Benin	3.78	3.81	11.65	0.79	3.11
Bhutan	11.87	11.49	33.34	2.26	8.72
Bolivia Plurinational States of	10.25	10.32	31.88	2.15	8.13
Bosnia and Herzegovina	17.08	16.91	51.06	3.46	12.9
Botswana	27.01	27.23	82.29	5.83	20.77
Brazil	3.55	3.54	10.12	0.75	2.68
Brunei Darussalam	79.51	78.9	229.32	16.13	58.34
Bulgaria	26.11	25.49	72.62	5.68	18.53
Burkina Faso	3.29	3.41	10.72	0.69	2.59
Burundi	1.54	1.56	4.64	0.31	1.18
Côte d'Ivoire	4.78	4.9	14.62	1.07	3.86
Cabo Verde Republic of	8.76	8.67	25.52	1.93	6.43
Cambodia	5.2	5.06	15.71	1.04	3.78
Cameroon	5.22	5.18	15.61	1.15	3.84
Canada	64.05	64.18	186.08	14.05	49.39
Central African Republic	2.2	2.17	6.67	0.41	1.65
Chad	3.63	3.61	11.33	0.76	2.77
Chile	33.55	34.71	100.36	7.46	27.1
China	15.11	15.03	45.79	3.18	11.32
Colombia	34.82	34.11	101.73	6.9	25.96
Comoros	3.08	3.06	9.17	0.69	2.33
Congo	9.2	9.02	28.46	1.76	6.87
Cook Islands	18.61	17.84	52.53	3.46	14.15
Costa Rica	22.32	22.27	72.74	4.72	19.05
Croatia	33.81	34.33	103.56	7.08	26.07
Cuba	8.73	8.59	24.79	1.77	6.29
Cyprus	51.12	51	161.12	10.16	42.67
Czech Republic	44	43.6	129.58	9.35	32.88
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	1.14	0.82	3.78	0.22	0.95
Denmark	66.17	47.15	202.57	13.26	52.07
Djibouti	5.62	4.06	16.78	1.14	4.29
Dominica	23.4	16.9	69.72	5.01	17.65
Dominican Republic	18.32	13.19	55.57	3.91	13.81
Ecuador	17.58	12.78	57.38	3.86	14.48
Egypt	12.99	9.08	37.76	2.8	10.02
El Salvador	13.73	9.96	39.81	2.78	9.74
Equatorial Guinea	48.53	34.59	144.25	10.61	36.56
Eritrea	1.46	1.03	4.32	0.3	1.13
Estonia	36.1	26.22	115.86	7.72	28.92
Ethiopia	2.64	1.89	8.54	0.52	2.13
Fiji	10.06	7.02	30.97	2.15	7.99
Finland	59.69	42.66	190.47	12.42	49
France	57.35	42.67	171.47	11.83	41.5
Gabon	26.64	18.86	79.26	5.56	20.01

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Primary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	4.79	3.35	14.34	1.02	3.55
Georgia	11.01	8.04	32.51	2.03	8.66
Germany	61.87	44.44	190.76	12.47	46.16
Ghana	4.14	2.84	11.63	0.83	3.13
Greece	47.22	33.24	139.56	9.23	33.94
Grenada	20.36	14.12	63.35	4.25	15.56
Guatemala	10.38	7.2	31.78	2.11	7.76
Guinea	2.67	1.9	8.76	0.53	2.19
Guinea-Bissau	3.05	2.11	9.64	0.68	2.47
Guyana	6.88	4.92	21.43	1.41	5.16
Haiti	2.94	2.13	8.56	0.64	2.19
Honduras	8.52	6.07	25.32	1.73	6.26
Hungary	36.71	25.56	119.05	8.33	29.73
Iceland	58.87	41.84	185.82	11.52	47.61
India	7.85	5.58	23.8	1.58	5.97
Indonesia	9.46	6.85	29.2	1.9	7.05
Iran (Islamic Republic of)	28.02	19.64	83.65	5.41	22.1
Iraq	8.4	5.82	23.38	1.64	6.05
Ireland	66.72	46.94	206.91	14.59	51.29
Israel	46.53	33.25	137.91	9.24	35.53
Italy	53.99	37.84	165.93	11.23	40.79
Jamaica	15.15	10.79	48.74	3.18	12.32
Japan	55.95	38.96	169.85	12.42	40.04
Jordan	12.04	8.46	35.24	2.59	9.1
Kazakhstan	23.71	16.77	68.97	4.9	17.9
Kenya	4.09	2.97	10.7	0.79	2.86
Kiribati	5.56	3.88	16.89	1.18	4.55
Kuwait	61.04	42.47	196.1	12.29	49.85
Kyrgyzstan	5.5	3.98	16.72	1.01	4.36
Lao People's Democratic Republic	5.9	4.19	17.75	1.26	4.53
Latvia	31.13	21.42	100.16	5.97	25.07
Lebanon	25.7	18.04	79.03	5.19	21.16
Lesotho	4.41	3.09	14.21	0.91	3.43
Liberia	1.59	1.12	4.57	0.31	1.21
Libya	31.62	21.78	99.44	6.44	24.64
Lithuania	33	23.55	109.92	7.08	27
Luxembourg	125.95	90.8	363.89	24.31	95.32
Madagascar	2.52	1.72	7.45	0.48	1.91
Malawi	2.35	1.67	6.98	0.5	1.71
Malaysia	28.35	20.04	83.97	5.77	22.19
Maldives	16.45	11.66	50.24	3.31	12.43
Mali	3.17	2.22	9.32	0.67	2.46
Malta	46.89	34.52	132.64	9.26	35.24
Marshall Islands	5.82	4.13	16.82	1.2	4.5
Mauritania	5.36	3.79	15.74	1.18	3.91
Mauritius	27.39	19.63	84.78	5.79	21.95
Mexico	29.25	19.55	87	6.36	21.85
Micronesia (Federated States of)	7.97	5.59	24.74	1.54	6.27
Monaco	179.95	127.95	546.55	37.64	145.95

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Cost per outpatient visit  
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Primary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	9.05	6.45	27.12	1.94	6.36
Montenegro	25.01	17.69	71.84	5.39	18.38
Morocco	10.44	7.38	30.67	2.01	8.68
Mozambique	2.43	1.65	6.53	0.5	1.62
Myanmar	3.11	2.15	9.03	0.65	2.3
Namibia	13.97	9.66	43.61	2.78	10.67
Nauru	5.52	3.8	17.43	1.18	4.62
Nepal	3.44	2.4	9.81	0.7	2.54
Netherlands	67.71	48.26	207.31	13.81	53.2
New Zealand	50.43	36.46	151.4	10.19	38.74
Nicaragua	8.14	5.93	23.62	1.61	6.23
Niger	1.78	1.25	5.84	0.36	1.46
Nigeria	5.62	3.98	17.09	1.2	4.42
Niue	39.48	27.63	118.29	8.19	31.24
Norway	89.7	62.86	259.18	19.29	64.56
Oman	38.27	26.96	111.27	7.34	29.96
Pakistan	6.25	4.49	18.56	1.36	4.85
Palau	31.4	22.01	100.07	6.48	25.02
Panama	25.71	18.57	83.46	5.48	20.54
Papua New Guinea	5.84	4.09	18.24	1.19	4.49
Paraguay	12.44	8.72	39.16	2.54	9.52
Peru	18.69	13.37	54.76	3.98	15.18
Philippines	8.78	6.11	27.38	1.87	6.74
Poland	35.86	25.31	102.63	6.98	27.19
Portugal	44.24	32	135.61	9.07	33.68
Qatar	116.06	80.15	352.66	23.72	88.95
Republic of Korea	48.8	34.7	142.98	10.2	37.23
Republic of Moldova	7.26	5.2	22.78	1.56	5.45
Romania	27.61	18.98	82.42	5.74	20.86
Russian Federation	36.71	25.6	107.88	7.28	26.66
Rwanda	3.07	2.2	9.66	0.66	2.45
Saint Kitts and Nevis	31.97	22.96	95.28	6.73	25.76
Saint Lucia	21.43	15.48	67.18	4.34	17.11
Saint Vincent and the Grenadines	20.37	14.4	63.51	4.31	16.59
Samoa	9.37	6.37	26.7	1.93	6.96
San Marino	77.62	55.71	217.98	16.66	54.71
Sao Tome and Principe	4.56	3.24	12.93	0.93	3.56
Saudi Arabia	41.08	28.89	126.1	8.25	30.57
Senegal	4.57	3.33	13.21	0.92	3.4
Serbia	21.37	14.87	62.27	4.27	15.19
Seychelles	40.42	28.77	126.6	8.78	30.62
Sierra Leone	2.92	2.1	9.02	0.53	2.25
Singapore	89.99	62.94	259.62	18.43	70.22
Slovakia	40.72	29.08	131.28	8.54	34.65
Slovenia	45.92	33.99	136.02	8.99	34.34
Solomon Islands	6.44	4.64	21	1.28	5.1
Somalia	NA	NA	NA	NA	NA
South Africa	20.09	14.65	60.85	3.88	16.73
South Sudan	NA	NA	NA	NA	NA

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Primary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	53.22	37.91	160.84	10.72	42.34
Sri Lanka	10.93	7.73	30.6	2.3	7.9
Sudan	5.96	4.23	17.49	1.15	4.43
Suriname	16	11.24	44.04	3.48	11.38
Swaziland	11.23	8.03	32.19	2.28	8.62
Sweden	64.37	44.35	195.16	13.26	51.3
Switzerland	77.68	54.76	245.21	14.75	59.69
Syrian Arab Republic	12.15	8.56	39.68	2.48	9.74
Tajikistan	4.77	3.49	15.2	1.02	3.91
Thailand	17.7	12.57	53.6	3.34	13.64
The former Yugoslav Republic of Macedonia	21.51	15.64	63.73	4.52	16.39
Timor-Leste	3.85	2.68	11.88	0.79	3.04
Togo	2.57	1.82	7.4	0.56	1.91
Tonga	10	7.16	30.1	2.04	7.79
Trinidad and Tobago	44.95	30.88	143.49	9.89	37.46
Tunisia	18.76	13.45	54.62	3.73	14.75
Turkey	29.3	20.53	83.89	6.45	21.15
Turkmenistan	16.46	11.72	47.07	3.48	11.76
Tuvalu	6.31	4.43	18.77	1.28	4.68
Uganda	3.26	2.36	10.16	0.64	2.73
Ukraine	13.83	9.78	38.37	2.72	9.79
United Arab Emirates	68.28	48.28	200.71	13.83	53.05
United Kingdom	58.71	43.05	175.06	11.43	47.01
United Republic of Tanzania	3.56	2.61	10.77	0.74	2.65
United States of America	74.63	52.5	221.4	16.73	54.06
Uruguay	26.21	18.35	84.9	5.05	20.58
Uzbekistan	7.22	5.12	21.94	1.7	5.28
Vanuatu	9.74	6.98	29.62	1.85	7.58
Venezuela (Bolivarian Republic of)	23.16	16.6	67.96	4.8	17.38
Viet Nam	7.16	5.08	20.88	1.4	5.41
Yemen	5.93	4.18	18.77	1.21	4.68
Zambia	3.85	2.72	11.95	0.8	2.93
Zimbabwe	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	6.65	6.65	19.95	1.27	4.96
AFRO E	5.73	5.65	17.15	1.17	4.48
AMRO A	74.75	72.75	217.5	15.36	54.34
AMRO B	24.9	24.17	69.81	4.95	18.76
AMRO D	14.27	14.26	41.54	2.95	10.38
Andean Latin America	17.57	17.43	52.96	3.53	13.53
Australasia	67.67	69.26	207.64	14.24	54.35
Caribbean	13.03	13.05	38.69	2.85	9.48
Central Asia	13.35	13.15	39.34	2.98	9.81
Central Europe	34.01	34.32	103.05	6.69	27.81
Central Latin America	24.37	24.73	72.43	5.33	19.11
Central Sub-Saharan Africa	5.33	5.22	15.09	1.13	3.9
EMRO B	32.64	33.13	101.63	7.1	26.5
EMRO D	8.11	7.76	23.67	1.6	5.74
EURO A	60.5	62.39	193.56	12.27	51.29
EURO B	25.72	25.23	76.82	5.2	21.2
EURO C	31.93	31.57	88.14	6.67	25.21
East Asia	15.74	16.07	47.79	3.31	13.45
Eastern Europe	32.16	32.94	105.54	6.27	25.32
Eastern Sub-Saharan Africa	3.62	3.68	11.38	0.69	2.94
High Income Asia Pacific	57.38	56.82	174.22	11.36	45.19
High Income North America	76.68	76.82	219.75	16.07	58.68
North Africa and the Middle East	23.14	22.88	69.43	4.93	16.78
Oceania	6.82	6.87	20.9	1.44	5.25
SEARO B	11.76	11.57	34.48	2.31	8.86
SEARO D	7.54	7.42	23.28	1.59	5.75
South Asia	7.45	7.47	22.15	1.53	5.64
Southeast Asia	10.8	10.97	33.95	2.17	9.38
Southern Latin America	31.7	31.2	96.12	6.42	23.98
Southern Sub-Saharan Africa	20.26	19.93	59.81	3.85	15.53
Tropical Latin America	22.26	22.48	66.13	4.55	17.02
WPRO A	61.11	60.65	200.95	11.43	51.45
WPRO B	16.2	16	46.85	3.51	12.28
Western Europe	61.14	60.18	180.01	12.07	45.05
Western Sub-Saharan Africa	4.85	4.78	14.19	1	3.79
Afghanistan	1.77	1.77	5.13	0.37	1.3
Albania	18.16	18.24	55.53	3.72	13.46
Algeria	16.93	16.53	49.79	3.56	12.58
Andorra	72.44	76.18	256.72	15.17	63.84
Angola	12.4	12.25	34.93	2.37	9.09
Antigua and Barbuda	36.66	36.2	110.65	7.42	28.65
Argentina	30.67	29.66	82.98	6.45	22.28
Armenia	12.54	12.33	37.4	2.65	9.61
Australia	70.56	69.63	202.35	14.79	49.45
Austria	68.64	67.56	210.31	13.63	52.33
Azerbaijan	20.2	20.02	64.83	4.05	16.79
Bahamas	53.21	52	154.4	11.31	39.65
Bahrain	37.84	38.07	121.94	7.22	31.43
Bangladesh	4.25	4.21	13.28	0.85	3.3

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Cost per outpatient visit  
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Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Barbados	40.83	39.95	116.93	8.3	28.89
Belarus	27.18	27.88	84.08	5.64	22.16
Belgium	65.04	62.46	187.53	13.66	44.34
Belize	15.8	15.66	45.05	3.08	12.75
Benin	3.94	3.72	10.75	0.79	2.74
Bhutan	12.36	12.42	35.89	2.56	9.96
Bolivia Plurinational States of	10.68	10.46	32.45	2.25	7.98
Bosnia and Herzegovina	17.8	18.03	53.07	3.63	13.88
Botswana	28.14	27.81	84.68	5.7	23.2
Brazil	4.73	4.69	14.66	0.93	3.7
Brunei Darussalam	82.84	86.59	271.34	17.73	76.89
Bulgaria	27.21	26.89	82.62	5.24	20.71
Burkina Faso	3.43	3.35	10.31	0.68	2.59
Burundi	1.61	1.56	4.67	0.31	1.17
Côte d'Ivoire	4.99	4.93	14.35	1.07	3.68
Cabo Verde Republic of	9.13	9.35	28.42	2.04	7.34
Cambodia	5.41	5.47	16.08	1.13	4.66
Cameroon	5.44	5.48	16.81	1.07	4.34
Canada	66.73	67.98	195.06	15.14	51.58
Central African Republic	2.29	2.25	6.47	0.47	1.67
Chad	3.78	3.56	10.36	0.76	2.57
Chile	34.96	34.81	103.38	7.46	26.83
China	15.74	15.86	50.66	3.09	12.45
Colombia	36.28	36.36	114.15	7.58	27.89
Comoros	3.21	3.19	9.43	0.67	2.41
Congo	9.58	9.34	28.24	1.92	7.09
Cook Islands	19.39	19.05	55.64	3.99	16.13
Costa Rica	23.26	23.02	65.29	4.74	16.99
Croatia	35.23	35.03	102.14	7.09	26.7
Cuba	9.1	9.02	27.16	1.89	6.94
Cyprus	53.26	51.93	147.07	10.66	38.02
Czech Republic	45.85	45.06	136.92	8.69	35.35
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	1.19	1.19	3.36	0.23	0.91
Denmark	68.95	68.86	216.35	13.47	53.04
Djibouti	5.86	5.93	18.9	1.13	4.86
Dominica	24.38	24.25	72.61	5.02	18.94
Dominican Republic	19.09	19.39	59.08	3.92	15.73
Ecuador	18.32	17.7	52.55	3.98	13.41
Egypt	13.53	13.27	41.53	2.72	10.12
El Salvador	14.31	14.17	45.02	2.92	11.08
Equatorial Guinea	50.57	50.95	154.51	11.03	40.13
Eritrea	1.52	1.53	4.43	0.29	1.15
Estonia	37.61	37.36	107.86	7.48	26.17
Ethiopia	2.76	2.9	9.17	0.57	2.38
Fiji	10.48	10.54	32.29	2.42	8.32
Finland	62.19	60.34	178.89	11.05	47.82
France	59.76	61.39	181.83	12.59	49.11
Gabon	27.76	27.56	80.9	5.15	21.42



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Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	4.99	4.88	14.49	1.03	3.68
Georgia	11.47	11.51	34.4	2.28	8.7
Germany	64.46	65.01	195.77	13.54	49.41
Ghana	4.32	4.42	13.66	0.95	3.52
Greece	49.2	48.99	140.39	9.71	38.25
Grenada	21.22	21.29	63.46	4.77	16.03
Guatemala	10.81	10.23	30	2.22	7.36
Guinea	2.78	2.77	8.6	0.54	2.3
Guinea-Bissau	3.18	3.07	9.05	0.64	2.22
Guyana	7.17	7.11	20.84	1.48	5.18
Haiti	3.06	3.02	9.22	0.63	2.29
Honduras	8.88	8.88	26.5	2.01	6.93
Hungary	38.25	38.25	110.9	7.93	29.94
Iceland	61.33	60.01	166.61	12.22	45.9
India	8.18	7.75	23.57	1.69	5.54
Indonesia	9.86	9.57	28.69	1.99	7.44
Iran (Islamic Republic of)	29.2	28.16	88.73	5.61	20.74
Iraq	8.75	8.54	26.24	1.83	6.49
Ireland	69.52	70.37	208.25	13.82	55.11
Israel	48.49	49.37	150.8	10.45	38.01
Italy	56.26	54.13	158.82	11.6	42.32
Jamaica	15.79	15.65	47.33	2.96	12.04
Japan	58.3	57.7	162.7	11.82	42.25
Jordan	12.55	12.47	39.62	2.52	10.24
Kazakhstan	24.71	24.31	79.3	5.05	19.99
Kenya	4.26	4.29	13.76	0.86	3.23
Kiribati	5.8	5.84	16.88	1.15	4.38
Kuwait	63.6	63.85	200.85	12.66	48.13
Kyrgyzstan	5.73	5.87	18.03	1.17	4.53
Lao People's Democratic Republic	6.14	6.14	18.37	1.28	4.94
Latvia	32.43	33.21	100.27	6.53	26.41
Lebanon	26.78	26.56	80.43	5.04	20.7
Lesotho	4.59	4.61	13.84	0.92	3.63
Liberia	1.66	1.63	4.71	0.36	1.19
Libya	32.95	32.64	103.76	6.99	26.48
Lithuania	34.38	35.22	113.99	6.91	27.42
Luxembourg	131.23	131.21	396.94	26.55	103.6
Madagascar	2.62	2.65	8.09	0.57	2.13
Malawi	2.45	2.52	7.94	0.48	1.94
Malaysia	29.54	29.02	88.48	5.99	21.59
Maldives	17.14	16.96	50	3.47	12.94
Mali	3.3	3.42	10.44	0.7	2.7
Malta	48.86	49.47	153.22	10.21	38.38
Marshall Islands	6.07	5.97	18.37	1.21	4.93
Mauritania	5.58	5.45	16.81	1.2	4.2
Mauritius	28.54	28.04	83.9	5.75	20.55
Mexico	30.48	30.72	94.26	6.39	24.07
Micronesia (Federated States of)	8.31	8.14	23.5	1.78	6.25
Monaco	187.5	179.73	552.54	35.74	137.81

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	9.43	9.2	27.64	1.88	7.63
Montenegro	26.06	25.08	76.24	5.5	18.04
Morocco	10.87	10.9	33.33	2.27	8.03
Mozambique	2.53	2.42	7.27	0.49	1.87
Myanmar	3.24	3.25	9.52	0.71	2.43
Namibia	14.55	14.56	44.2	2.93	10.82
Nauru	5.75	5.82	18.36	1.19	4.55
Nepal	3.59	3.57	10.94	0.69	2.71
Netherlands	70.55	71.24	208.42	14.54	54.86
New Zealand	52.55	51.96	161.87	11.15	40.35
Nicaragua	8.48	8.65	27.88	1.71	7.06
Niger	1.85	1.83	5.37	0.37	1.42
Nigeria	5.85	5.73	17.12	1.1	4.64
Niue	41.13	40.59	133.07	8.19	32.25
Norway	93.46	94	289.91	17.97	73.36
Oman	39.87	39.22	118.16	7.58	29.67
Pakistan	6.51	6.52	20.28	1.27	5.15
Palau	32.72	33.23	103.35	6.38	25.93
Panama	26.79	26.84	82.38	5.5	20.88
Papua New Guinea	6.08	6.12	19.06	1.22	4.7
Paraguay	12.96	12.86	38.98	2.72	9.95
Peru	19.48	19.18	59.02	3.97	15.19
Philippines	9.15	9.14	27.78	1.83	7.03
Poland	37.37	36.85	107.73	7.53	27.97
Portugal	46.09	44.78	122.47	9.85	35.42
Qatar	120.92	118.54	348.61	23.82	86.85
Republic of Korea	50.84	52.12	156.25	10.9	43.45
Republic of Moldova	7.57	7.65	23.23	1.62	6.11
Romania	28.77	28.83	91.07	5.84	23.83
Russian Federation	38.25	38.98	120.8	8.14	31.15
Rwanda	3.2	3.2	9.17	0.69	2.34
Saint Kitts and Nevis	33.31	33.97	101.46	6.96	26.08
Saint Lucia	22.33	21.78	65.99	4.66	16.54
Saint Vincent and the Grenadines	21.23	21.63	65.66	4.46	18.12
Samoa	9.76	10.02	30.8	1.86	8.24
San Marino	80.88	78.27	236.72	16.29	60.26
Sao Tome and Principe	4.75	4.66	14.09	0.95	3.66
Saudi Arabia	42.8	42.8	127.3	8.19	33.05
Senegal	4.76	4.76	14.06	0.98	3.85
Serbia	22.27	22.27	67.93	4.76	17.05
Seychelles	42.11	42.06	132.11	8.08	33.07
Sierra Leone	3.05	3.13	9.2	0.61	2.29
Singapore	93.76	93.96	276.79	19.78	71.44
Slovakia	42.43	42.6	134.39	8.48	32.69
Slovenia	47.85	46.99	142.82	10.59	36.72
Solomon Islands	6.71	6.56	20.84	1.35	5.16
Somalia	NA	NA	NA	NA	NA
South Africa	20.94	20.58	60.54	4.27	16.07
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Secondary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	55.45	55.73	171.11	11.88	43.43
Sri Lanka	11.39	11.06	33.88	2.2	8.26
Sudan	6.21	6.22	19.06	1.27	4.76
Suriname	16.67	16.86	51.55	3.42	12.96
Swaziland	11.7	11.8	36.39	2.17	9.07
Sweden	67.07	67.03	210.3	13.01	51.21
Switzerland	80.94	79.39	242.29	17.17	61.99
Syrian Arab Republic	12.66	12.48	37.4	2.84	9.62
Tajikistan	4.97	5.02	16.09	1.02	4.18
Thailand	18.44	18.46	58.61	3.58	14.44
The former Yugoslav Republic of Macedonia	22.41	22.58	66.4	4.57	17.27
Timor-Leste	4.02	4.13	12.41	0.81	3.25
Togo	2.68	2.73	8.46	0.58	2.04
Tonga	10.42	10.62	32.94	1.96	8.16
Trinidad and Tobago	46.84	46.15	138.16	9.87	34.5
Tunisia	19.54	18.93	56.48	3.76	14.84
Turkey	30.53	30.94	97.22	5.74	24.96
Turkmenistan	17.15	16.62	53.2	3.41	13.08
Tuvalu	6.58	6.63	20.71	1.28	5.3
Uganda	3.39	3.46	10.92	0.67	2.87
Ukraine	14.41	14.27	41.16	3.05	10.49
United Arab Emirates	71.14	69.89	217.23	14.48	54.82
United Kingdom	61.18	61.62	189.49	12.08	48.72
United Republic of Tanzania	3.71	3.71	11.11	0.8	2.85
United States of America	77.76	76.47	230.22	15.95	61.12
Uruguay	27.31	27.31	86.39	5.3	21.45
Uzbekistan	7.52	7.49	23.48	1.54	5.69
Vanuatu	10.15	10.4	34.07	1.92	8.36
Venezuela (Bolivarian Republic of)	24.13	24.07	67.79	5.2	18.25
Viet Nam	7.46	7.38	22.17	1.57	5.3
Yemen	6.18	6.22	19.23	1.35	4.69
Zambia	4.01	3.93	12.17	0.8	3.06
Zimbabwe	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
AFRO D	6.65	6.79	20.39	1.39	5.4
AFRO E	5.73	5.61	17.47	1.16	4.46
AMRO A	74.75	74.09	228.15	14.9	59.49
AMRO B	24.9	24.92	78.27	5.28	20.21
AMRO D	14.27	14.16	45.11	2.9	11.58
Andean Latin America	17.57	17.55	52.06	3.44	13.32
Australasia	67.67	68.21	210.78	13.87	52.53
Caribbean	13.03	13.09	39.76	2.66	10.78
Central Asia	13.35	13.18	39.03	2.82	10
Central Europe	34.01	34.42	103.08	7.42	25.84
Central Latin America	24.37	24.26	74.76	5.16	18.16
Central Sub-Saharan Africa	5.33	5.35	16.89	1.11	4.29
EMRO B	32.64	32.18	96.53	6.52	24.34
EMRO D	8.11	8.23	25.22	1.65	6.55
EURO A	60.5	62.08	188.18	12.69	51.28
EURO B	25.72	25.34	77.45	5.2	19.65
EURO C	31.93	31.62	92.94	6.32	23
East Asia	15.74	15.82	46.59	3.22	13.68
Eastern Europe	32.16	32.67	100.09	6.52	25.72
Eastern Sub-Saharan Africa	3.62	3.68	11.03	0.71	2.9
High Income Asia Pacific	57.38	55.84	166.58	10.88	44.69
High Income North America	76.68	76.92	238.57	15.72	58.73
North Africa and the Middle East	23.14	22.96	67.28	4.68	17.75
Oceania	6.82	6.85	20.98	1.5	5.48
SEARO B	11.76	11.94	37.41	2.5	9.19
SEARO D	7.54	7.63	22.42	1.51	5.8
South Asia	7.45	7.56	22.27	1.55	5.96
Southeast Asia	10.8	10.6	32.68	2.11	8.19
Southern Latin America	31.7	31.99	93.95	7.04	23.55
Southern Sub-Saharan Africa	20.26	20.32	62.9	4.06	15.48
Tropical Latin America	22.26	22.21	68.88	4.66	17.56
WPRO A	61.11	62.07	193.41	12.37	47.38
WPRO B	16.2	16.56	51.58	3.31	13.99
Western Europe	61.14	59.65	180.31	12.1	44.72
Western Sub-Saharan Africa	4.85	4.81	15.3	0.89	3.88
Afghanistan	1.77	1.82	5.76	0.4	1.45
Albania	18.16	18.27	54.68	3.74	14.63
Algeria	16.93	16.79	48.16	3.22	12.9
Andorra	72.44	73.95	230.46	15.36	57.46
Angola	12.4	12.17	37.44	2.64	9.51
Antigua and Barbuda	36.66	37.14	114.46	7.51	28.55
Argentina	30.67	30.4	89.11	6.54	21.73
Armenia	12.54	12.44	37.49	2.66	9.35
Australia	70.56	70.93	208.74	14.6	54.87
Austria	68.64	67.23	194.93	13.23	52.5
Azerbaijan	20.2	19.86	58.97	4.2	16.08
Bahamas	53.21	53.68	161.31	11.24	41.52
Bahrain	37.84	37.27	112.07	7.74	27.81
Bangladesh	4.25	4.39	13.34	0.92	3.25

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Barbados	40.83	40.17	116.02	7.55	31.58
Belarus	27.18	26.6	77.8	5.7	20.7
Belgium	65.04	64.4	188.06	14.2	47.23
Belize	15.8	15.68	47.43	3.06	12.59
Benin	3.94	3.77	11.07	0.77	2.82
Bhutan	12.36	12.5	35.95	2.47	9.85
Bolivia Plurinational States of	10.68	10.48	31.51	2.12	8.11
Bosnia and Herzegovina	17.8	17.6	54.23	3.63	13.41
Botswana	28.14	27.49	80.54	5.29	20.33
Brazil	4.73	4.75	14.4	1.05	3.66
Brunei Darussalam	82.84	82.2	230.25	16.92	65.98
Bulgaria	27.21	26.71	85.23	5.14	22.04
Burkina Faso	3.43	3.48	10.7	0.73	2.83
Burundi	1.61	1.65	5.25	0.33	1.33
C?te d'Ivoire	4.99	5.08	15.58	1.04	3.82
Cabo Verde Republic of	9.13	9.07	27.68	1.85	6.78
Cambodia	5.41	5.35	17.46	1.04	4.31
Cameroon	5.44	5.39	17.15	1.05	4.23
Canada	66.73	67.25	208.31	14.31	49.59
Central African Republic	2.29	2.27	7.02	0.46	1.82
Chad	3.78	3.75	10.84	0.79	2.81
Chile	34.96	34.61	104.37	7.05	25.66
China	15.74	15.69	48.63	2.93	11.95
Colombia	36.28	35.58	106.99	7.55	27.06
Comoros	3.21	3.34	10.29	0.63	2.97
Congo	9.58	9.3	27.6	2.02	6.92
Cook Islands	19.39	19.15	60.58	3.79	14.77
Costa Rica	23.26	22.6	66.65	4.64	17.08
Croatia	35.23	33.79	99.39	6.93	26.31
Cuba	9.1	8.98	27.44	1.86	7.57
Cyprus	53.26	54.66	162.68	11.26	42.52
Czech Republic	45.85	46.85	146.28	9.74	40.19
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	1.19	1.18	3.59	0.24	0.93
Denmark	68.95	68.68	204.61	14.67	54.27
Djibouti	5.86	5.79	17.78	1.12	4.64
Dominica	24.38	24.8	75.15	5.01	24.08
Dominican Republic	19.09	19.45	59.96	3.97	15.59
Ecuador	18.32	17.78	53.42	3.73	13.46
Egypt	13.53	13.98	42.76	2.69	11.47
El Salvador	14.31	14.12	44.18	2.92	10.58
Equatorial Guinea	50.57	51.23	157.87	11.19	41.37
Eritrea	1.52	1.51	4.47	0.29	1.13
Estonia	37.61	37.63	112.82	7.15	31.09
Ethiopia	2.76	2.72	8.13	0.53	2.06
Fiji	10.48	10.15	32.03	2.07	7.92
Finland	62.19	61.48	193.16	12.07	46.66
France	59.76	58.46	179.08	11.82	46.24
Gabon	27.76	27.44	80.93	5.85	20.29

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Gambia	4.99	4.96	14.11	0.98	3.88
Georgia	11.47	11.34	35.23	2.33	9.24
Germany	64.46	64.49	195.67	12.4	49.26
Ghana	4.32	4.3	12.65	0.91	3.35
Greece	49.2	48.64	147.54	9.88	36.19
Grenada	21.22	21.04	61.18	4.19	15.43
Guatemala	10.81	11.1	34.15	2.26	8.67
Guinea	2.78	2.83	8.17	0.61	2.16
Guinea-Bissau	3.18	3.17	10.19	0.64	2.48
Guyana	7.17	6.88	19.23	1.47	5.35
Haiti	3.06	3.04	9.42	0.6	2.53
Honduras	8.88	8.69	27.35	1.86	6.83
Hungary	38.25	38.28	110.84	7.49	30.79
Iceland	61.33	62.04	188.47	11.92	52.09
India	8.18	8.2	24.89	1.51	6.5
Indonesia	9.86	9.52	27.86	1.92	6.77
Iran (Islamic Republic of)	29.2	29.7	99.57	6.15	24.41
Iraq	8.75	8.57	27.06	1.82	6.5
Ireland	69.52	67.73	199.63	14.34	53.13
Israel	48.49	47.95	144.83	10.23	36.85
Italy	56.26	56.1	174.91	10.87	43.52
Jamaica	15.79	15.46	50.35	3.33	12.72
Japan	58.3	59.62	194.46	11.48	50.77
Jordan	12.55	12.41	37.02	2.52	9.24
Kazakhstan	24.71	25	76.19	5.48	20.32
Kenya	4.26	4.26	13.19	0.87	3.17
Kiribati	5.8	5.9	18.44	1.14	4.78
Kuwait	63.6	62.07	189.79	13.27	48.85
Kyrgyzstan	5.73	5.59	16.32	1.14	4.18
Lao People's Democratic Republic	6.14	6.01	18.24	1.17	4.52
Latvia	32.43	32.58	99.97	6.85	26.17
Lebanon	26.78	26.58	81.57	5.14	20.52
Lesotho	4.59	4.55	13.66	0.97	3.51
Liberia	1.66	1.61	4.94	0.34	1.24
Libya	32.95	32.85	98.91	7.13	24.12
Lithuania	34.38	34.31	107.03	6.47	27.76
Luxembourg	131.23	134.12	432.52	25.36	107.5
Madagascar	2.62	2.64	8.15	0.56	2.01
Malawi	2.45	2.46	7.15	0.52	1.93
Malaysia	29.54	29.23	89.59	6.01	22.75
Maldives	17.14	17	49.98	3.47	13.71
Mali	3.3	3.26	10.29	0.65	2.5
Malta	48.86	49.16	154.26	10.43	40.11
Marshall Islands	6.07	5.96	17.74	1.22	4.61
Mauritania	5.58	5.23	16.24	1.14	3.92
Mauritius	28.54	28.79	83.53	6.14	21.21
Mexico	30.48	30.34	93.09	5.86	22.75
Micronesia (Federated States of)	8.31	8.35	26.06	1.71	6.59
Monaco	187.5	188.2	538.49	37.37	146.1



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Mongolia	9.43	9.51	30.29	1.93	7.43
Montenegro	26.06	25.89	78.85	5.02	20.86
Morocco	10.87	10.78	31.52	2.32	8.36
Mozambique	2.53	2.55	7.91	0.49	2.02
Myanmar	3.24	3.18	9.47	0.65	2.42
Namibia	14.55	14.54	45.48	3.05	11.52
Nauru	5.75	5.73	17.55	1.21	4.33
Nepal	3.59	3.56	10.95	0.73	2.7
Netherlands	70.55	70.04	200.91	13.4	51.62
New Zealand	52.55	52.89	157.61	10.57	40.86
Nicaragua	8.48	8.31	24.54	1.73	6.17
Niger	1.85	1.92	5.98	0.42	1.54
Nigeria	5.85	5.77	18.6	1.15	4.52
Niue	41.13	42.55	124.67	8.61	32.26
Norway	93.46	94.86	291.2	18.81	78.78
Oman	39.87	40.39	117.12	8.17	30.19
Pakistan	6.51	6.49	19.31	1.34	5.02
Palau	32.72	32.4	97.64	6.71	24.42
Panama	26.79	26.24	77.18	5.69	19.74
Papua New Guinea	6.08	6.37	20.53	1.25	5.14
Paraguay	12.96	12.93	38.65	2.76	9.93
Peru	19.48	18.72	53.09	4.1	13.21
Philippines	9.15	9.02	25.94	1.94	6.83
Poland	37.37	36.67	116.24	7.79	27.36
Portugal	46.09	46.58	139.41	9.77	34.96
Qatar	120.92	122.09	377.62	24.65	97.64
Republic of Korea	50.84	51.52	156.28	10.41	39.69
Republic of Moldova	7.57	7.59	23.13	1.54	6.09
Romania	28.77	29.24	98.66	5.89	23.47
Russian Federation	38.25	38.03	120.74	7.58	30.97
Rwanda	3.2	3.1	9	0.65	2.33
Saint Kitts and Nevis	33.31	32.87	100.16	7.02	25.63
Saint Lucia	22.33	22.7	66.67	4.59	17.2
Saint Vincent and the Grenadines	21.23	20.35	66.11	4.06	15.7
Samoa	9.76	9.63	29.73	2.09	7.49
San Marino	80.88	78.66	236.19	16.53	58.41
Sao Tome and Principe	4.75	4.69	14.9	0.95	3.54
Saudi Arabia	42.8	42.82	131.45	8.28	34.35
Senegal	4.76	4.77	14.09	1.01	3.75
Serbia	22.27	21.76	61.63	4.44	16.27
Seychelles	42.11	43.13	140.95	8.25	39.56
Sierra Leone	3.05	3.12	9.62	0.65	2.36
Singapore	93.76	95.74	296.73	19.55	75.89
Slovakia	42.43	41.5	122.22	9.64	30.38
Slovenia	47.85	49.17	150.56	10.92	39.06
Solomon Islands	6.71	6.93	22.34	1.35	5.7
Somalia	NA	NA	NA	NA	NA
South Africa	20.94	21.07	67.03	4.41	15.8
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 International Dollars (PPP I\$)  
Tertiary Hospital

Region/Country	Model prediction	Mean value from sample	High estimate (95% uncertainty interval)	Low estimate (95% uncertainty interval)	SD
Spain	55.45	53.99	162.69	11.43	39.68
Sri Lanka	11.39	10.81	31.71	2.31	7.84
Sudan	6.21	6.21	19.42	1.38	4.96
Suriname	16.67	16.97	52.44	3.74	13.27
Swaziland	11.7	11.91	37.93	2.29	10.5
Sweden	67.07	67.42	211.93	13.24	53.38
Switzerland	80.94	81.07	251.46	16.47	64.15
Syrian Arab Republic	12.66	12.99	41.7	2.79	10.57
Tajikistan	4.97	5.02	14.54	1.09	3.67
Thailand	18.44	17.82	53.07	3.58	14.19
The former Yugoslav Republic of Macedonia	22.41	22.36	72.95	4.61	17.56
Timor-Leste	4.02	3.98	12.32	0.77	3.21
Togo	2.68	2.73	8.35	0.59	2.09
Tonga	10.42	10.59	33.22	2.12	8.25
Trinidad and Tobago	46.84	47.12	140.99	10.17	35.52
Tunisia	19.54	19.43	55.19	3.9	15.88
Turkey	30.53	30.44	93.06	5.63	23.35
Turkmenistan	17.15	17.1	51.56	3.47	13.22
Tuvalu	6.58	6.39	19.63	1.41	4.73
Uganda	3.39	3.45	10.53	0.75	2.75
Ukraine	14.41	14.02	40.31	2.92	9.93
United Arab Emirates	71.14	72.45	225.62	14.02	59.94
United Kingdom	61.18	61.17	180.15	12.91	45.47
United Republic of Tanzania	3.71	3.78	11.33	0.74	2.9
United States of America	77.76	79.24	241.09	16.7	61.74
Uruguay	27.31	27.22	83.63	5.37	20.48
Uzbekistan	7.52	7.52	24.13	1.59	5.87
Vanuatu	10.15	9.94	29.13	2.01	7.42
Venezuela (Bolivarian Republic of)	24.13	24.42	74.04	4.91	17.6
Viet Nam	7.46	7.62	24.37	1.67	5.94
Yemen	6.18	6.08	18.05	1.21	4.52
Zambia	4.01	3.79	11.62	0.81	2.78
Zimbabwe	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
AFRO D			
AFRO E			
AMRO A			
AMRO B			
AMRO D			
Andean Latin America			
Australasia			
Caribbean			
Central Asia			
Central Europe			
Central Latin America			
Central Sub-Saharan Africa			
EMRO B			
EMRO D			
EURO A			
EURO B			
EURO C			
East Asia			
Eastern Europe			
Eastern Sub-Saharan Africa			
High Income Asia Pacific			
High Income North America			
North Africa and the Middle East			
Oceania			
SEARO B			
SEARO D			
South Asia			
Southeast Asia			
Southern Latin America			
Southern Sub-Saharan Africa			
Tropical Latin America			
WPRO A			
WPRO B			
Western Europe			
Western Sub-Saharan Africa			
Afghanistan	66.92	69.64	90.14
Albania	4,723.02	4,923.02	6,366.92
Algeria	2,473.59	2,578.68	3,334.90
Andorra	499.34	520.52	673.19
Angola	3,422.60	3,567.89	4,614.70
Antigua and Barbuda	473.24	493.30	638.00
Argentina	475.60	495.77	641.18
Armenia	11,332.96	11,814.08	15,278.91
Australia	1,007.42	1,050.15	1,358.15
Austria	541.79	564.78	730.43
Azerbaijan	NA	NA	NA
Bahamas	448.93	467.97	605.23
Bahrain	NA	NA	NA
Bangladesh	306.38	319.33	413.04

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Barbados	415.67	433.30	560.38
Belarus	202,376.25	210,962.86	272,835.99
Belgium	510.62	532.28	688.40
Belize	95.04	99.07	128.14
Benin	2,684.32	2,799.45	3,620.31
Bhutan	956.74	997.20	1,289.71
Bolivia Plurinational States of	130.19	135.72	175.52
Bosnia and Herzegovina	74.23	77.38	100.07
Botswana	686.40	715.47	925.36
Brazil	37.89	39.50	51.08
Brunei Darussalam	507.14	528.65	683.71
Bulgaria	119.15	124.21	160.64
Burkina Faso	2,195.38	2,290.38	2,961.66
Burundi	1,386.40	1,447.17	1,872.59
Côte d'Ivoire	3,855.35	4,017.10	5,195.86
Cabo Verde Republic of	1,932.11	2,014.14	2,604.77
Cambodia	25,886.33	26,989.29	34,909.34
Cameroon	4,383.30	4,568.73	5,909.18
Canada	757.74	789.88	1,021.55
Central African Republic	1,522.40	1,586.36	2,052.04
Chad	2,798.67	2,916.26	3,772.32
Chile	88,465.80	92,219.12	119,268.12
China	280.93	292.83	378.74
Colombia	125,138.65	130,444.80	168,697.95
Comoros	1,914.66	1,997.56	2,581.87
Congo	11,405.24	11,887.68	15,376.69
Cook Islands	141.16	147.15	190.31
Costa Rica	49,074.22	51,154.21	66,160.58
Croatia	1,005.81	1,048.48	1,356.01
Cuba	56.15	58.53	75.70
Cyprus	307.49	320.54	414.54
Czech Republic	5,154.02	5,372.65	6,948.39
Democratic People's Republic of Korea	NA	NA	NA
Democratic Republic of the Congo	1,162.76	1,215.84	1,568.04
Denmark	5,024.27	5,237.35	6,773.46
Djibouti	1,998.25	2,083.81	2,694.70
Dominica	284.73	296.80	383.86
Dominican Republic	2,055.41	2,142.62	2,771.10
Ecuador	53.13	55.39	71.63
Egypt	165.14	172.15	222.65
El Salvador	NA	NA	NA
Equatorial Guinea	103,177.31	107,555.37	139,099.87
Eritrea	18.14	18.95	24.50
Estonia	147.34	153.58	198.63
Ethiopia	32.13	33.51	43.32
Fiji	48.15	50.19	64.90
Finland	511.98	533.69	690.22
France	455.85	475.18	614.55
Gabon	52,325.16	54,544.13	70,543.28

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Gambia	170.31	177.44	229.52
Georgia	43.73	45.58	58.94
Germany	470.35	490.30	634.10
Ghana	9.01	9.39	12.15
Greece	285.65	297.77	385.10
Grenada	231.92	241.75	312.65
Guatemala	174.71	182.11	235.53
Guinea	16,706.88	17,414.62	22,540.35
Guinea-Bissau	2,004.71	2,090.38	2,702.93
Guyana	5,644.42	5,884.28	7,610.44
Haiti	213.01	222.13	287.37
Honduras	361.40	376.68	487.15
Hungary	36,113.62	37,645.32	48,687.15
Iceland	72,704.17	75,788.99	98,016.83
India	488.42	509.14	658.46
Indonesia	151,351.80	157,782.89	204,059.52
Iran (Islamic Republic of)	749,763.59	781,575.18	1,010,792.40
Iraq	16,294.58	16,985.02	21,964.88
Ireland	552.44	575.86	744.77
Israel	1,585.81	1,653.05	2,137.90
Italy	382.01	398.21	515.00
Jamaica	4,444.02	4,632.56	5,991.51
Japan	57,388.38	59,822.24	77,368.18
Jordan	NA	NA	NA
Kazakhstan	10,962.03	11,427.19	14,778.51
Kenya	432.14	450.31	582.45
Kiribati	21.18	22.08	28.55
Kuwait	NA	NA	NA
Kyrgyzstan	311.61	324.91	420.11
Lao People's Democratic Republic	56,213.08	58,612.86	75,799.18
Latvia	NA	NA	NA
Lebanon	145,783.89	151,965.80	196,538.46
Lesotho	56.38	58.77	76.00
Liberia	131.58	137.11	177.51
Libya	124.22	129.48	167.46
Lithuania	386.85	403.27	521.53
Luxembourg	1,449.83	1,511.34	1,954.61
Madagascar	4,549.24	4,739.05	6,131.03
Malawi	488.66	509.62	659.29
Malaysia	284.40	296.47	383.42
Maldives	763.02	795.37	1,028.68
Mali	2,018.44	2,104.33	2,721.93
Malta	224.76	234.30	303.02
Marshall Islands	21.02	21.91	28.34
Mauritania	2,090.23	2,179.68	2,818.16
Mauritius	3,006.74	3,134.32	4,053.60
Mexico	1,600.83	1,668.74	2,158.22
Micronesia (Federated States of)	30.48	31.78	41.10
Monaco	2,338.33	2,437.51	3,152.43

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Mongolia	20,430.81	21,300.21	27,547.16
Montenegro	NA	NA	NA
Morocco	255.40	266.24	344.33
Mozambique	103.61	108.00	139.81
Myanmar	4,491.94	4,679.10	6,054.76
Namibia	345.89	360.57	466.30
Nauru	21.17	22.07	28.54
Nepal	250.64	261.29	337.89
Netherlands	567.99	592.08	765.74
New Zealand	669.80	698.22	903.01
Nicaragua	303.59	316.51	409.35
Niger	960.79	1,001.82	1,295.45
Nigeria	1,502.09	1,565.80	2,024.94
Niue	548.79	572.06	739.85
Norway	8,877.96	9,254.60	11,968.92
Oman	NA	NA	NA
Pakistan	521.15	543.14	702.47
Palau	169.76	176.95	228.85
Panama	94.36	98.36	127.21
Papua New Guinea	41.49	43.24	55.91
Paraguay	138,674.91	144,555.49	186,938.48
Peru	167.55	174.66	225.89
Philippines	702.65	732.58	947.31
Poland	507.27	528.78	683.86
Portugal	235.19	245.16	317.07
Qatar	2,935.51	3,060.03	3,957.52
Republic of Korea	358,546.64	373,756.84	483,384.77
Republic of Moldova	162.58	169.48	219.20
Romania	309.35	322.48	417.07
Russian Federation	4,506.88	4,698.06	6,075.97
Rwanda	2,302.59	2,400.05	3,106.67
Saint Kitts and Nevis	423.24	441.19	570.58
Saint Lucia	252.67	263.39	340.65
Saint Vincent and the Grenadines	221.22	230.59	298.23
Samoa	72.68	75.76	97.98
San Marino	645.76	673.15	870.58
Sao Tome and Principe	126,099.01	131,450.08	169,993.25
Saudi Arabia	537.74	560.54	724.96
Senegal	3,770.04	3,929.54	5,082.97
Serbia	4,868.84	5,075.49	6,564.11
Seychelles	2,107.52	2,196.93	2,841.26
Sierra Leone	11,910.42	12,423.56	16,069.61
Singapore	892.05	929.88	1,202.62
Slovakia	169.38	176.56	228.35
Slovenia	251.27	261.93	338.76
Solomon Islands	156.21	162.82	210.56
Somalia	NA	NA	NA
South Africa	577.00	601.51	777.92
South Sudan	NA	NA	NA



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per inpatient bed day by hospital level  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Spain	344.32	358.93	464.20
Sri Lanka	1,984.08	2,068.12	2,674.67
Sudan	23.95	24.97	32.29
Suriname	151.26	157.67	203.92
Swaziland	210.67	219.60	284.03
Sweden	5,610.71	5,848.69	7,564.05
Switzerland	1,219.50	1,271.22	1,644.09
Syrian Arab Republic	1,611.68	1,679.99	2,172.78
Tajikistan	27.08	28.22	36.50
Thailand	1,275.64	1,329.86	1,719.90
The former Yugoslav Republic of Macedonia	2,504.21	2,610.48	3,376.18
Timor-Leste	NA	NA	NA
Togo	1,507.03	1,572.29	2,033.17
Tonga	67.22	70.07	90.63
Trinidad and Tobago	1,306.96	1,362.41	1,762.00
Tunisia	67.03	69.87	90.36
Turkey	198.49	206.91	267.59
Turkmenistan	121.36	126.51	163.62
Tuvalu	28.48	29.69	38.39
Uganda	8,295.63	8,643.64	11,184.94
Ukraine	229.86	239.60	309.89
United Arab Emirates	1,501.74	1,565.43	2,024.60
United Kingdom	379.82	395.93	512.06
United Republic of Tanzania	5,645.40	5,884.49	7,611.78
United States of America	764.62	797.05	1,030.83
Uruguay	2,587.25	2,697.06	3,488.04
Uzbekistan	16,305.48	16,997.29	21,983.66
Vanuatu	4,638.90	4,836.28	6,254.00
Venezuela (Bolivarian Republic of)	329.41	343.40	444.10
Viet Nam	170,994.67	178,272.24	230,512.77
Yemen	2,655.27	2,767.70	3,579.73
Zambia	27.81	29.00	37.49
Zimbabwe	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
AFRO D					
AFRO E					
AMRO A					
AMRO B					
AMRO D					
Andean Latin America					
Australasia					
Caribbean					
Central Asia					
Central Europe					
Central Latin America					
Central Sub-Saharan Africa					
EMRO B					
EMRO D					
EURO A					
EURO B					
EURO C					
East Asia					
Eastern Europe					
Eastern Sub-Saharan Africa					
High Income Asia Pacific					
High Income North America					
North Africa and the Middle East					
Oceania					
SEARO B					
SEARO D					
South Asia					
Southeast Asia					
Southern Latin America					
Southern Sub-Saharan Africa					
Tropical Latin America					
WPRO A					
WPRO B					
Western Europe					
Western Sub-Saharan Africa					
Afghanistan	19.4	23.9	27.2	28.3	28.3
Albania	567.0	699.8	797.7	831.1	831.1
Algeria	305.0	376.3	429.1	447.0	447.0
Andorra	35.6	43.9	50.1	52.2	52.2
Angola	474.6	585.7	667.6	695.6	695.6
Antigua and Barbuda	43.6	53.8	61.3	63.9	63.9
Argentina	46.8	57.8	65.9	68.7	68.7
Armenia	1,564.1	1,931.8	2,200.7	2,294.0	2,294.0
Australia	72.5	89.5	102.0	106.3	106.3
Austria	39.4	48.6	55.4	57.8	57.8
Azerbaijan	NA	NA	NA	NA	NA
Bahamas	35.9	44.4	50.6	52.7	52.7
Bahrain	NA	NA	NA	NA	NA
Bangladesh	63.6	78.6	89.5	93.3	93.3

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Barbados	36.8	45.4	51.7	53.9	53.9
Belarus	20,864.5	25,759.8	29,361.0	30,587.7	30,587.7
Belgium	37.9	46.8	53.3	55.5	55.5
Belize	12.0	14.8	16.9	17.6	17.6
Benin	573.5	707.9	805.9	840.0	840.0
Bhutan	132.7	163.9	186.9	194.6	194.6
Bolivia Plurinational States of	19.1	23.6	26.9	28.0	28.0
Bosnia and Herzegovina	9.0	11.1	12.6	13.2	13.2
Botswana	69.9	86.2	98.3	102.4	102.4
Brazil	4.5	5.6	5.0	6.6	6.6
Brunei Darussalam	34.3	42.4	48.3	50.4	50.4
Bulgaria	12.3	15.2	17.3	18.0	18.0
Burkina Faso	494.0	610.1	694.5	724.1	724.1
Burundi	417.8	512.8	584.9	611.5	611.5
Côte d'Ivoire	753.3	930.6	1,059.1	1,105.6	1,105.6
Cabo Verde Republic of	300.6	371.1	422.7	440.6	440.6
Cambodia	4,903.5	6,059.6	6,910.1	7,189.2	7,189.2
Cameroon	828.8	1,023.2	1,166.2	1,215.3	1,215.3
Canada	55.7	68.7	78.4	81.6	81.6
Central African Republic	399.1	493.8	562.9	585.9	585.9
Chad	606.8	750.2	853.7	889.0	889.0
Chile	8,296.3	10,240.8	11,670.4	12,160.9	12,160.9
China	35.6	43.9	50.1	52.2	52.2
Colombia	27,474.3	33,901.7	38,652.8	40,273.5	40,273.5
Comoros	442.8	545.9	622.7	649.0	649.0
Congo	1,743.2	2,151.0	2,452.2	2,553.5	2,553.5
Cook Islands	16.5	20.4	23.3	24.2	24.2
Costa Rica	5,367.4	6,622.1	7,548.8	7,866.8	7,866.8
Croatia	94.1	116.1	132.3	137.9	137.9
Cuba	8.8	10.8	12.3	12.8	12.8
Cyprus	24.6	30.4	34.6	36.1	36.1
Czech Republic	436.4	538.5	613.9	639.7	639.7
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	390.8	482.5	550.0	574.1	574.1
Denmark	364.8	450.1	513.1	534.7	534.7
Djibouti	368.0	453.6	517.0	539.1	539.1
Dominica	30.6	37.8	43.0	44.8	44.8
Dominican Republic	242.1	298.8	340.6	355.0	355.0
Ecuador	6.4	7.8	8.9	9.3	9.3
Egypt	22.2	27.3	31.2	32.5	32.5
El Salvador	NA	NA	NA	NA	NA
Equatorial Guinea	8,419.4	10,391.2	11,843.2	12,341.1	12,341.1
Eritrea	5.6	6.8	7.8	8.1	8.1
Estonia	13.4	16.6	18.9	19.7	19.7
Ethiopia	7.9	9.7	11.0	11.5	11.5
Fiji	7.1	8.8	10.0	10.4	10.4
Finland	38.6	47.7	54.4	56.6	56.6
France	34.9	43.1	49.1	51.2	51.2
Gabon	5,353.8	6,606.0	7,530.3	7,846.9	7,846.9

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Gambia	33.2	41.0	46.8	48.8	48.8
Georgia	6.2	7.7	8.8	9.2	9.2
Germany	35.0	43.2	49.3	51.3	51.3
Ghana	1.9	2.3	2.6	2.7	2.7
Greece	23.5	29.1	33.1	34.5	34.5
Grenada	26.3	32.4	36.9	38.5	38.5
Guatemala	25.5	31.5	35.9	37.4	37.4
Guinea	4,074.8	5,018.5	5,726.2	5,962.1	5,962.1
Guinea-Bissau	464.8	574.0	653.2	681.1	681.1
Guyana	961.4	1,187.5	1,352.6	1,409.6	1,409.6
Haiti	50.1	61.9	70.5	73.4	73.4
Honduras	56.8	70.1	79.9	83.3	83.3
Hungary	3,274.2	4,040.6	4,605.2	4,798.3	4,798.3
Iceland	5,515.8	6,807.7	7,760.8	8,085.1	8,085.1
India	79.2	97.8	111.4	116.1	116.1
Indonesia	22,866.1	28,242.4	32,189.5	33,550.6	33,550.6
Iran (Islamic Republic of)	75,259.7	92,865.7	105,862.3	110,320.5	110,320.5
Iraq	2,576.2	3,180.4	3,624.9	3,775.9	3,775.9
Ireland	40.0	49.3	56.2	58.6	58.6
Israel	131.5	162.2	184.9	192.7	192.7
Italy	29.9	36.9	42.1	43.9	43.9
Jamaica	562.5	694.1	791.2	824.7	824.7
Japan	4,438.1	5,477.0	6,243.7	6,505.9	6,505.9
Jordan	NA	NA	NA	NA	NA
Kazakhstan	1,171.6	1,446.2	1,648.5	1,718.1	1,718.1
Kenya	89.6	110.6	126.0	131.2	131.2
Kiribati	3.9	4.8	5.5	5.7	5.7
Kuwait	NA	NA	NA	NA	NA
Kyrgyzstan	57.8	71.4	81.3	84.7	84.7
Lao People's Democratic Republic	10,156.7	12,532.2	14,301.7	14,883.5	14,883.5
Latvia	NA	NA	NA	NA	NA
Lebanon	15,119.6	18,661.6	21,268.4	22,162.2	22,162.2
Lesotho	11.4	14.0	16.0	16.7	16.7
Liberia	39.0	48.0	54.9	57.3	57.3
Libya	11.9	14.7	16.8	17.5	17.5
Lithuania	36.5	45.1	51.4	53.5	53.5
Luxembourg	82.6	101.9	116.2	121.0	121.0
Madagascar	1,132.6	1,398.3	1,594.4	1,657.7	1,657.7
Malawi	125.0	154.2	175.9	183.3	183.3
Malaysia	28.4	35.1	40.0	41.7	41.7
Maldives	93.6	115.5	131.7	137.2	137.2
Mali	460.1	568.5	648.3	674.9	674.9
Malta	18.6	22.9	26.1	27.2	27.2
Marshall Islands	3.8	4.7	5.4	5.6	5.6
Mauritania	391.7	483.2	551.1	573.7	573.7
Mauritius	304.4	375.7	428.2	446.2	446.2
Mexico	158.1	195.1	222.4	231.8	231.8
Micronesia (Federated States of)	4.9	6.1	6.9	7.2	7.2
Monaco	116.4	143.7	163.8	170.6	170.6

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Mongolia	3,140.6	3,878.1	4,420.2	4,605.8	4,605.8
Montenegro	NA	NA	NA	NA	NA
Morocco	37.2	45.9	52.4	54.5	54.5
Mozambique	26.2	32.3	36.8	38.3	38.3
Myanmar	1,034.1	1,277.4	1,455.2	1,516.0	1,516.0
Namibia	45.2	55.7	63.5	66.2	66.2
Nauru	3.9	4.8	5.5	5.8	5.8
Nepal	55.5	68.4	78.0	81.4	81.4
Netherlands	40.9	50.4	57.5	59.9	59.9
New Zealand	53.9	66.5	75.8	79.0	79.0
Nicaragua	48.6	59.9	68.3	71.2	71.2
Niger	272.0	336.8	384.3	399.4	399.4
Nigeria	276.3	341.4	389.2	405.1	405.1
Niue	48.4	59.7	68.1	71.0	71.0
Norway	574.6	709.2	808.4	842.3	842.3
Oman	NA	NA	NA	NA	NA
Pakistan	92.1	113.7	129.7	135.1	135.1
Palau	16.3	20.1	23.0	23.9	23.9
Panama	9.8	12.1	13.8	14.3	14.3
Papua New Guinea	7.5	9.3	10.6	11.0	11.0
Paraguay	18,903.4	23,329.9	26,601.6	27,713.6	27,713.6
Peru	19.6	24.2	27.6	28.7	28.7
Philippines	109.2	134.8	153.7	160.1	160.1
Poland	46.4	57.3	65.3	68.0	68.0
Portugal	19.9	24.5	28.0	29.1	29.1
Qatar	172.4	212.8	242.6	252.7	252.7
Republic of Korea	29,199.9	36,034.8	41,076.8	42,794.0	42,794.0
Republic of Moldova	27.1	33.5	38.2	39.8	39.8
Romania	31.2	38.5	43.9	45.8	45.8
Russian Federation	408.5	504.2	574.8	598.9	598.9
Rwanda	531.2	657.9	748.0	779.7	779.7
Saint Kitts and Nevis	40.4	49.9	56.9	59.3	59.3
Saint Lucia	28.1	34.6	39.5	41.1	41.1
Saint Vincent and the Grenadines	25.0	30.9	35.2	36.7	36.7
Samoa	11.0	13.6	15.5	16.2	16.2
San Marino	44.1	54.5	62.1	64.7	64.7
Sao Tome and Principe	25,126.7	31,020.7	35,363.6	36,837.0	36,837.0
Saudi Arabia	46.7	57.7	65.7	68.5	68.5
Senegal	751.2	926.9	1,056.4	1,100.3	1,100.3
Serbia	541.2	668.1	761.4	793.5	793.5
Seychelles	184.3	227.4	259.2	270.1	270.1
Sierra Leone	2,808.8	3,457.0	3,943.1	4,118.7	4,118.7
Singapore	57.7	71.2	81.1	84.5	84.5
Slovakia	14.8	18.2	20.8	21.6	21.6
Slovenia	20.9	25.8	29.5	30.7	30.7
Solomon Islands	27.3	33.7	38.4	40.0	40.0
Somalia	NA	NA	NA	NA	NA
South Africa	65.7	81.1	92.4	96.3	96.3
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 National Currency Unit (NCU)  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Spain	27.1	33.5	38.2	39.8	39.8
Sri Lanka	283.9	350.4	399.4	416.2	416.2
Sudan	4.3	5.3	6.1	6.3	6.3
Suriname	18.7	23.1	26.4	27.5	27.5
Swaziland	29.8	36.8	42.0	43.7	43.7
Sweden	411.6	507.9	579.0	603.2	603.2
Switzerland	83.3	102.8	117.2	122.2	122.2
Syrian Arab Republic	221.6	273.7	312.0	325.1	325.1
Tajikistan	5.3	6.5	7.5	7.8	7.8
Thailand	152.2	187.9	214.2	223.2	223.2
The former Yugoslav Republic of Macedonia	277.8	342.8	390.8	407.1	407.1
Timor-Leste	NA	NA	NA	NA	NA
Togo	373.2	460.9	524.1	546.5	546.5
Tonga	10.0	12.3	14.0	14.6	14.6
Trinidad and Tobago	109.8	135.5	154.4	160.9	160.9
Tunisia	7.8	9.7	11.0	11.5	11.5
Turkey	19.6	24.2	27.6	28.7	28.7
Turkmenistan	14.9	18.4	20.9	21.8	21.8
Tuvalu	5.0	6.2	7.1	7.4	7.4
Uganda	1,877.6	2,314.7	2,638.4	2,743.6	2,743.6
Ukraine	30.1	37.2	42.4	44.1	44.1
United Arab Emirates	107.7	133.0	151.6	157.9	157.9
United Kingdom	28.8	35.6	40.6	42.3	42.3
United Republic of Tanzania	1,234.5	1,522.4	1,737.0	1,810.2	1,810.2
United States of America	53.0	65.5	74.6	77.8	77.8
Uruguay	266.4	328.7	374.8	390.5	390.5
Uzbekistan	2,730.0	3,368.6	3,842.2	4,001.9	4,001.9
Vanuatu	693.3	855.6	975.9	1,017.0	1,017.0
Venezuela (Bolivarian Republic of)	35.5	43.8	50.0	52.1	52.1
Viet Nam	28,715.4	35,428.8	40,393.3	42,085.8	42,085.8
Yemen	479.3	590.6	673.5	701.9	701.9
Zambia	5.9	7.3	8.3	8.6	8.6
Zimbabwe	NA	NA	NA	NA	NA



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per bed day by hospital level  
Results in 2010 USD  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
AFRO D			
AFRO E			
AMRO A			
AMRO B			
AMRO D			
Andean Latin America			
Australasia			
Caribbean			
Central Asia			
Central Europe			
Central Latin America			
Central Sub-Saharan Africa			
EMRO B			
EMRO D			
EURO A			
EURO B			
EURO C			
East Asia			
Eastern Europe			
Eastern Sub-Saharan Africa			
High Income Asia Pacific			
High Income North America			
North Africa and the Middle East			
Oceania			
SEARO B			
SEARO D			
South Asia			
Southeast Asia			
Southern Latin America			
Southern Sub-Saharan Africa			
Tropical Latin America			
WPRO A			
WPRO B			
Western Europe			
Western Sub-Saharan Africa			
Afghanistan	1.44	1.50	1.94
Albania	45.09	47.00	60.79
Algeria	33.25	34.67	44.83
Andorra	661.99	690.08	892.47
Angola	37.24	38.82	50.21
Antigua and Barbuda	175.27	182.71	236.30
Argentina	122.06	127.24	164.56
Armenia	30.44	31.73	41.03
Australia	924.10	963.30	1,245.83
Austria	717.57	748.01	967.40
Azerbaijan	NA	NA	NA
Bahamas	448.93	467.97	605.23
Bahrain	NA	NA	NA
Bangladesh	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per bed day by hospital level  
Results in 2010 USD  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Barbados	207.83	216.65	280.19
Belarus	67.82	70.70	91.44
Belgium			
Belize	47.52	49.53	64.07
Benin	5.42	5.65	7.31
Bhutan	20.92	21.81	28.21
Bolivia Plurinational States of	18.55	19.34	25.01
Bosnia and Herzegovina	50.26	52.40	67.76
Botswana	101.04	105.32	136.21
Brazil	21.54	22.45	29.04
Brunei Darussalam	371.94	387.72	501.44
Bulgaria	80.65	84.07	108.73
Burkina Faso	NA	NA	NA
Burundi	1.13	1.18	1.52
Côte d'Ivoire	7.78	8.11	10.49
Cabo Verde Republic of	23.21	24.19	31.29
Cambodia	6.19	6.45	8.34
Cameroon	8.85	9.22	11.93
Canada	735.56	766.75	991.65
Central African Republic	3.07	3.20	4.14
Chad	5.65	5.89	7.62
Chile	173.38	180.73	233.74
China	41.49	43.25	55.94
Colombia	65.91	68.71	88.86
Comoros	5.15	5.38	6.95
Congo	23.03	24.00	31.05
Cook Islands	101.56	105.86	136.92
Costa Rica	93.33	97.28	125.82
Croatia	182.94	190.70	246.64
Cuba	56.15	58.53	75.70
Cyprus	407.65	424.95	549.58
Czech Republic	NA	NA	NA
Democratic People's Republic of Korea	NA	NA	NA
Democratic Republic of the Congo	NA	NA	NA
Denmark	893.35	931.24	1,204.37
Djibouti	11.24	11.73	15.16
Dominica	NA	NA	NA
Dominican Republic	55.10	57.43	74.28
Ecuador	NA	NA	NA
Egypt	NA	NA	NA
El Salvador	NA	NA	NA
Equatorial Guinea	NA	NA	NA
Eritrea	1.18	1.23	1.59
Estonia	NA	NA	NA
Ethiopia	2.23	2.33	3.01
Fiji	25.10	26.16	33.83
Finland	678.08	706.83	914.15
France	NA	NA	NA
Gabon	105.65	110.13	142.43

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per bed day by hospital level  
Results in 2010 USD  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Gambia	6.08	6.33	8.19
Georgia	24.50	25.54	33.03
Germany	622.95	649.37	839.82
Ghana	6.30	6.56	8.49
Greece	378.32	394.37	510.04
Grenada	85.90	89.54	115.80
Guatemala	21.68	22.60	29.23
Guinea	2.75	2.86	3.71
Guinea-Bissau	NA	NA	NA
Guyana	27.72	28.90	37.37
Haiti	5.35	5.58	7.22
Honduras	19.13	19.94	25.78
Hungary	173.67	181.04	234.14
Iceland	594.76	619.99	801.83
India	10.68	11.13	14.40
Indonesia	16.65	17.36	22.45
Iran (Islamic Republic of)	73.12	76.22	98.57
Iraq	13.93	14.52	18.77
Ireland	731.66	762.69	986.39
Israel	424.13	442.11	571.79
Italy	505.94	527.40	682.08
Jamaica	50.97	53.13	68.71
Japan	653.78	681.50	881.39
Jordan	NA	NA	NA
Kazakhstan	74.39	77.54	100.29
Kenya	5.45	5.68	7.35
Kiribati	19.43	20.25	26.19
Kuwait	NA	NA	NA
Kyrgyzstan	6.76	7.05	9.12
Lao People's Democratic Republic	NA	NA	NA
Latvia	NA	NA	NA
Lebanon	96.71	100.81	130.37
Lesotho	7.70	8.03	10.38
Liberia	1.84	1.92	2.49
Libya	98.06	102.21	132.20
Lithuania	NA	NA	NA
Luxembourg	1,920.19	2,001.65	2,588.73
Madagascar	2.18	2.27	2.93
Malawi	3.25	3.39	4.38
Malaysia	88.29	92.04	119.03
Maldives	NA	NA	NA
Mali	4.08	4.25	5.50
Malta	297.68	310.31	401.33
Marshall Islands	21.02	21.91	28.34
Mauritania	7.58	7.90	10.21
Mauritius	NA	NA	NA
Mexico	126.69	132.06	170.80
Micronesia (Federated States of)	30.48	31.78	41.10
Monaco	3,100.00	3,231.48	4,179.28

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per bed day by hospital level  
Results in 2010 USD  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Mongolia	15.06	15.70	20.30
Montenegro	NA	NA	NA
Morocco	30.34	31.63	40.91
Mozambique	3.05	3.18	4.12
Myanmar	4.63	4.82	6.24
Namibia	47.24	49.25	63.69
Nauru	19.42	20.25	26.18
Nepal	3.43	3.57	4.62
Netherlands	752.26	784.16	1,014.17
New Zealand	482.76	503.24	650.85
Nicaragua	NA	NA	NA
Niger	1.94	2.02	2.62
Nigeria	9.99	10.42	13.47
Niue	394.81	411.56	532.27
Norway	1,468.85	1,531.16	1,980.24
Oman	NA	NA	NA
Pakistan	6.12	6.38	8.25
Palau	169.76	176.95	228.85
Panama	NA	NA	NA
Papua New Guinea	15.26	15.90	20.56
Paraguay	29.28	30.53	39.48
Peru	59.31	61.82	79.96
Philippines	15.58	16.24	21.00
Poland	168.23	175.37	226.80
Portugal	311.49	324.69	419.93
Qatar	806.46	840.67	1,087.23
Republic of Korea	310.15	323.30	418.13
Republic of Moldova	NA	NA	NA
Romania	97.36	101.50	131.27
Russian Federation	148.36	154.65	200.01
Rwanda	3.95	4.12	5.33
Saint Kitts and Nevis	156.75	163.40	211.33
Saint Lucia	93.58	97.55	126.17
Saint Vincent and the Grenadines	81.93	85.40	110.46
Samoa	29.25	30.49	39.44
San Marino	856.10	892.42	1,154.16
Sao Tome and Principe	6.82	7.11	9.19
Saudi Arabia	143.40	149.48	193.32
Senegal	7.61	7.93	10.26
Serbia	61.96	64.59	83.54
Seychelles	174.64	182.05	235.44
Sierra Leone	2.99	3.12	4.04
Singapore	654.23	681.98	882.00
Slovakia	224.33	233.84	302.43
Slovenia	332.79	346.91	448.66
Solomon Islands	19.37	20.19	26.11
Somalia	NA	NA	NA
South Africa	78.81	82.16	106.25
South Sudan	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per bed day by hospital level  
Results in 2010 USD  
Model prediction

Region/Country	Primary Hospital	Secondary Hospital	Tertiary Hospital
Spain	456.03	475.37	614.80
Sri Lanka	17.55	18.29	23.66
Sudan	10.39	10.83	14.00
Suriname	55.10	57.43	74.28
Swaziland	28.77	30.00	38.80
Sweden	778.45	811.47	1,049.47
Switzerland	1,169.33	1,218.92	1,576.44
Syrian Arab Republic	34.73	36.21	46.83
Tajikistan	6.18	6.44	8.33
Thailand	40.26	41.97	54.28
The former Yugoslav Republic of Macedonia	53.96	56.25	72.75
Timor-Leste	NA	NA	NA
Togo	3.04	3.17	4.11
Tonga	35.27	36.76	47.55
Trinidad and Tobago	205.00	213.69	276.37
Tunisia	46.83	48.81	63.13
Turkey	132.07	137.68	178.05
Turkmenistan	42.58	44.39	57.41
Tuvalu	26.12	27.23	35.22
Uganda	3.81	3.97	5.14
Ukraine	28.98	30.21	39.07
United Arab Emirates	408.92	426.26	551.29
United Kingdom	586.89	611.78	791.21
United Republic of Tanzania	4.01	4.18	5.40
United States of America	764.62	797.05	1,030.83
Uruguay	128.98	134.45	173.89
Uzbekistan	10.28	10.71	13.85
Vanuatu	47.87	49.91	64.54
Venezuela (Bolivarian Republic of)	127.58	132.99	172.00
Viet Nam	9.19	9.58	12.38
Yemen	12.09	12.60	16.30
Zambia	5.80	6.04	7.82
Zimbabwe	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 USD  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
AFRO D					
AFRO E					
AMRO A					
AMRO B					
AMRO D					
Andean Latin America					
Australasia					
Caribbean					
Central Asia					
Central Europe					
Central Latin America					
Central Sub-Saharan Africa					
EMRO B					
EMRO D					
EURO A					
EURO B					
EURO C					
East Asia					
Eastern Europe					
Eastern Sub-Saharan Africa					
High Income Asia Pacific					
High Income North America					
North Africa and the Middle East					
Oceania					
SEARO B					
SEARO D					
South Asia					
Southeast Asia					
Southern Latin America					
Southern Sub-Saharan Africa					
Tropical Latin America					
WPRO A					
WPRO B					
Western Europe					
Western Sub-Saharan Africa					
Afghanistan	0.42	0.51	0.59	0.61	0.61
Albania	5.41	6.68	7.62	7.93	7.93
Algeria	4.10	5.06	5.77	6.01	6.01
Andorra	47.17	58.22	66.36	69.15	69.15
Angola	5.16	6.37	7.26	7.57	7.57
Antigua and Barbuda	16.15	19.92	22.71	23.67	23.67
Argentina	12.02	14.84	16.92	17.63	17.63
Armenia	4.20	5.19	5.91	6.16	6.16
Australia	66.49	82.07	93.56	97.48	97.48
Austria	52.17	64.40	73.40	76.49	76.49
Azerbaijan	NA	NA	NA	NA	NA
Bahamas	35.94	44.35	50.56	52.68	52.68
Bahrain	NA	NA	NA	NA	NA
Bangladesh	NA	NA	NA	NA	NA



## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 USD  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Barbados	18.38	22.68	25.87	26.95	26.95
Belarus	6.99	8.63	9.84	10.25	10.25
Belgium	NA	NA	NA	NA	NA
Belize	6.01	7.42	8.46	8.81	8.81
Benin	1.16	1.43	1.63	1.70	1.70
Bhutan	2.90	3.58	4.09	4.26	4.26
Bolivia Plurinational States of	2.72	3.36	3.83	3.99	3.99
Bosnia and Herzegovina	6.08	7.51	8.55	8.91	8.91
Botswana	10.29	12.69	14.47	15.07	15.07
Brazil	2.57	3.17	2.83	3.77	3.77
Brunei Darussalam	25.19	31.09	35.44	36.93	36.93
Bulgaria	8.31	10.26	11.70	12.19	12.19
Burkina Faso	NA	NA	NA	NA	NA
Burundi	0.34	0.42	0.48	0.50	0.50
Côte d'Ivoire	1.52	1.88	2.14	2.23	2.23
Cabo Verde Republic of	3.61	4.46	5.08	5.29	5.29
Cambodia	1.17	1.45	1.65	1.72	1.72
Cameroon	1.67	2.07	2.35	2.45	2.45
Canada	54.05	66.71	76.06	79.24	79.24
Central African Republic	0.81	1.00	1.14	1.18	1.18
Chad	1.23	1.51	1.72	1.79	1.79
Chile	16.26	20.07	22.87	23.83	23.83
China	5.26	6.49	7.40	7.71	7.71
Colombia	14.47	17.86	20.36	21.21	21.21
Comoros	1.19	1.47	1.68	1.75	1.75
Congo	3.52	4.34	4.95	5.16	5.16
Cook Islands	11.90	14.69	16.74	17.44	17.44
Costa Rica	10.21	12.59	14.36	14.96	14.96
Croatia	17.11	21.12	24.07	25.08	25.08
Cuba	8.76	10.80	12.31	12.83	12.83
Cyprus	32.62	40.26	45.89	47.82	47.82
Czech Republic	NA	NA	NA	NA	NA
Democratic People's Republic of Korea	NA	NA	NA	NA	NA
Democratic Republic of the Congo	NA	NA	NA	NA	NA
Denmark	64.86	80.04	91.23	95.07	95.07
Djibouti	2.07	2.55	2.91	3.03	3.03
Dominica	NA	NA	NA	NA	NA
Dominican Republic	6.49	8.01	9.13	9.51	9.51
Ecuador	NA	NA	NA	NA	NA
Egypt	NA	NA	NA	NA	NA
El Salvador	NA	NA	NA	NA	NA
Equatorial Guinea	NA	NA	NA	NA	NA
Eritrea	0.36	0.44	0.51	0.53	0.53
Estonia	NA	NA	NA	NA	NA
Ethiopia	0.55	0.67	0.77	0.80	0.80
Fiji	3.71	4.58	5.22	5.44	5.44
Finland	51.17	63.16	72.00	75.02	75.02
France	NA	NA	NA	NA	NA
Gabon	10.81	13.34	15.20	15.84	15.84

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 USD  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Gambia	1.19	1.47	1.67	1.74	1.74
Georgia	3.50	4.31	4.92	5.13	5.13
Germany	46.39	57.24	65.26	67.99	67.99
Ghana	1.30	1.61	1.83	1.91	1.91
Greece	31.19	38.49	43.88	45.72	45.72
Grenada	9.72	12.00	13.68	14.26	14.26
Guatemala	3.17	3.90	4.45	4.64	4.64
Guinea	0.67	0.83	0.94	0.98	0.98
Guinea-Bissau	NA	NA	NA	NA	NA
Guyana	4.72	5.83	6.64	6.92	6.92
Haiti	1.26	1.56	1.77	1.84	1.84
Honduras	3.01	3.71	4.23	4.41	4.41
Hungary	15.75	19.43	22.15	23.08	23.08
Iceland	45.12	55.69	63.49	66.14	66.14
India	1.73	2.14	2.44	2.54	2.54
Indonesia	2.52	3.11	3.54	3.69	3.69
Iran (Islamic Republic of)	7.34	9.06	10.32	10.76	10.76
Iraq	2.20	2.72	3.10	3.23	3.23
Ireland	52.95	65.35	74.49	77.62	77.62
Israel	35.16	43.39	49.46	51.54	51.54
Italy	39.66	48.94	55.79	58.13	58.13
Jamaica	6.45	7.96	9.07	9.46	9.46
Japan	50.56	62.40	71.13	74.12	74.12
Jordan	NA	NA	NA	NA	NA
Kazakhstan	7.95	9.81	11.19	11.66	11.66
Kenya	1.13	1.40	1.59	1.66	1.66
Kiribati	3.58	4.43	5.05	5.26	5.26
Kuwait	NA	NA	NA	NA	NA
Kyrgyzstan	1.25	1.55	1.76	1.84	1.84
Lao People's Democratic Republic	NA	NA	NA	NA	NA
Latvia	NA	NA	NA	NA	NA
Lebanon	10.03	12.38	14.11	14.70	14.70
Lesotho	1.55	1.92	2.19	2.27	2.27
Liberia	0.55	0.67	0.77	0.80	0.80
Libya	9.41	11.61	13.23	13.79	13.79
Lithuania	NA	NA	NA	NA	NA
Luxembourg	109.35	134.96	153.84	160.29	160.29
Madagascar	0.54	0.67	0.76	0.79	0.79
Malawi	0.83	1.02	1.17	1.22	1.22
Malaysia	8.82	10.89	12.41	12.93	12.93
Maldives	NA	NA	NA	NA	NA
Mali	0.93	1.15	1.31	1.36	1.36
Malta	24.61	30.37	34.62	36.07	36.07
Marshall Islands	3.82	4.71	5.37	5.60	5.60
Mauritania	1.42	1.75	2.00	2.08	2.08
Mauritius	NA	NA	NA	NA	NA
Mexico	12.51	15.44	17.60	18.34	18.34
Micronesia (Federated States of)	4.92	6.06	6.91	7.21	7.21
Monaco	154.31	190.44	217.09	226.20	226.20

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 USD  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Mongolia	2.31	2.86	3.26	3.39	3.39
Montenegro	NA	NA	NA	NA	NA
Morocco	4.42	5.46	6.22	6.48	6.48
Mozambique	0.77	0.95	1.08	1.13	1.13
Myanmar	1.07	1.32	1.50	1.56	1.56
Namibia	6.17	7.61	8.68	9.04	9.04
Nauru	3.60	4.44	5.06	5.28	5.28
Nepal	0.76	0.94	1.07	1.11	1.11
Netherlands	54.14	66.81	76.17	79.36	79.36
New Zealand	38.83	47.91	54.62	56.91	56.91
Nicaragua	NA	NA	NA	NA	NA
Niger	0.55	0.68	0.78	0.81	0.81
Nigeria	1.84	2.27	2.59	2.70	2.70
Niue	34.82	42.98	49.00	51.05	51.05
Norway	95.07	117.34	133.75	139.36	139.36
Oman	NA	NA	NA	NA	NA
Pakistan	1.08	1.33	1.52	1.59	1.59
Palau	16.32	20.15	22.96	23.93	23.93
Panama	NA	NA	NA	NA	NA
Papua New Guinea	2.77	3.41	3.89	4.05	4.05
Paraguay	3.99	4.93	5.62	5.85	5.85
Peru	6.94	8.56	9.76	10.17	10.17
Philippines	2.42	2.99	3.41	3.55	3.55
Poland	15.39	18.99	21.64	22.56	22.56
Portugal	26.32	32.48	37.03	38.58	38.58
Qatar	47.36	58.46	66.64	69.43	69.43
Republic of Korea	25.26	31.17	35.53	37.02	37.02
Republic of Moldova	NA	NA	NA	NA	NA
Romania	9.83	12.13	13.83	14.41	14.41
Russian Federation	13.45	16.60	18.92	19.72	19.72
Rwanda	0.91	1.13	1.28	1.34	1.34
Saint Kitts and Nevis	14.97	18.47	21.06	21.95	21.95
Saint Lucia	10.39	12.82	14.62	15.23	15.23
Saint Vincent and the Grenadines	9.28	11.45	13.05	13.60	13.60
Samoa	4.44	5.48	6.24	6.50	6.50
San Marino	58.51	72.22	82.32	85.78	85.78
Sao Tome and Principe	1.36	1.68	1.91	1.99	1.99
Saudi Arabia	12.46	15.38	17.53	18.26	18.26
Senegal	1.52	1.87	2.13	2.22	2.22
Serbia	6.89	8.50	9.69	10.10	10.10
Seychelles	15.27	18.84	21.48	22.38	22.38
Sierra Leone	0.71	0.87	0.99	1.04	1.04
Singapore	42.29	52.19	59.50	61.99	61.99
Slovakia	19.56	24.13	27.51	28.67	28.67
Slovenia	27.73	34.22	39.01	40.65	40.65
Solomon Islands	3.38	4.18	4.76	4.96	4.96
Somalia	NA	NA	NA	NA	NA
South Africa	8.97	11.07	12.62	13.15	13.15
South Sudan	NA	NA	NA	NA	NA

## WHO-CHOICE estimates of cost for inpatient and outpatient health service delivery

Cost per outpatient visit  
Results in 2010 USD  
Model prediction

Region/Country	Health Centre (no beds)	Health Centre (with beds)	Primary Hospital	Secondary Hospital	Tertiary Hospital
Spain	35.94	44.35	50.56	52.68	52.68
Sri Lanka	2.51	3.10	3.53	3.68	3.68
Sudan	1.87	2.31	2.63	2.74	2.74
Suriname	6.83	8.43	9.61	10.01	10.01
Swaziland	4.08	5.03	5.74	5.98	5.98
Sweden	57.10	70.47	80.33	83.70	83.70
Switzerland	79.91	98.61	112.41	117.13	117.13
Syrian Arab Republic	4.78	5.90	6.72	7.01	7.01
Tajikistan	1.21	1.49	1.70	1.78	1.78
Thailand	4.80	5.93	6.76	7.04	7.04
The former Yugoslav Republic of Macedonia	5.99	7.39	8.42	8.77	8.77
Timor-Leste	NA	NA	NA	NA	NA
Togo	0.75	0.93	1.06	1.10	1.10
Tonga	5.22	6.44	7.35	7.66	7.66
Trinidad and Tobago	17.22	21.25	24.22	25.24	25.24
Tunisia	5.47	6.75	7.70	8.02	8.02
Turkey	13.04	16.09	18.34	19.11	19.11
Turkmenistan	5.22	6.45	7.35	7.66	7.66
Tuvalu	4.60	5.68	6.47	6.74	6.74
Uganda	0.86	1.06	1.21	1.26	1.26
Ukraine	3.80	4.68	5.34	5.56	5.56
United Arab Emirates	29.34	36.20	41.27	43.00	43.00
United Kingdom	44.56	55.01	62.70	65.33	65.33
United Republic of Tanzania	0.88	1.08	1.23	1.28	1.28
United States of America	53.04	65.46	74.63	77.76	77.76
Uruguay	13.28	16.39	18.68	19.47	19.47
Uzbekistan	1.72	2.12	2.42	2.52	2.52
Vanuatu	7.15	8.83	10.07	10.49	10.49
Venezuela (Bolivarian Republic of)	13.76	16.98	19.36	20.17	20.17
Viet Nam	1.54	1.90	2.17	2.26	2.26
Yemen	2.18	2.69	3.07	3.20	3.20
Zambia	1.23	1.52	1.73	1.80	1.80
Zimbabwe	NA	NA	NA	NA	NA