

Exhibit R - Estimate of Federal Medicaid Assistance Percentage (FMAP)

Calendar Year	United States			Colorado			Colorado 3-year Average Per Capita	U.S. 3-year Average Per Capita	FMAP ⁽¹⁾ Calculation	eFMAP ⁽²⁾ Calculation	FFY/SFY	FFY FMAP ⁽³⁾	FFY eFMAP ⁽³⁾	SFY FMAP ⁽⁴⁾	SFY eFMAP ⁽⁴⁾
	Personal Income	Population	Per Capita Personal Income	Personal Income	Population	Per Capita Personal Income									
2000	\$8,630,550,000,000	282,162,411	\$30,587.17	\$148,098,695,000	4,326,921	\$34,227.27	-	-	-	-	2000-01	50.00%	65.00%	50.00%	65.00%
2001	\$8,983,398,000,000	284,968,955	\$31,524.13	\$155,918,402,000	4,425,687	\$35,230.33	-	-	-	-	2001-02	50.00%	65.00%	50.00%	65.00%
2002	\$9,146,428,000,000	287,625,193	\$31,799.82	\$156,031,593,000	4,490,406	\$34,747.77	\$34,735.12	\$31,303.71	50.00%	65.00%	2002-03	50.00%	65.00%	50.00%	65.00%
2003	\$9,479,763,000,000	290,107,933	\$32,676.68	\$159,330,219,000	4,528,732	\$35,182.08	\$35,053.39	\$32,000.21	50.00%	65.00%	2003-04	50.00%	65.00%	50.00%	65.00%
2004	\$10,043,231,000,000	292,805,298	\$34,300.03	\$166,624,930,000	4,575,013	\$36,420.65	\$35,450.17	\$32,925.51	50.00%	65.00%	2004-05	50.00%	65.00%	50.00%	65.00%
2005	\$10,605,595,000,000	295,516,599	\$35,888.32	\$177,818,529,000	4,631,888	\$38,390.08	\$36,664.27	\$34,288.34	50.00%	65.00%	2005-06	50.00%	65.00%	50.00%	65.00%
2006	\$11,376,405,000,000	298,379,912	\$38,127.25	\$191,699,362,000	4,720,423	\$40,610.63	\$38,473.79	\$36,105.20	50.00%	65.00%	2006-07	50.00%	65.00%	50.00%	65.00%
2007	\$11,990,104,000,000	301,231,207	\$39,803.66	\$202,598,581,000	4,803,868	\$42,174.05	\$40,391.59	\$37,939.74	50.00%	65.00%	2007-08	50.00%	65.00%	50.00%	65.00%
2008	\$12,429,234,000,000	304,093,966	\$40,873.00	\$212,101,724,000	4,889,730	\$43,376.98	\$42,053.89	\$39,601.30	50.00%	65.00%	2008-09	50.00%	65.00%	50.00%	65.00%
2009	\$12,080,223,000,000	306,771,529	\$39,378.57	\$206,437,621,000	4,972,195	\$41,518.41	\$42,356.48	\$40,018.41	50.00%	65.00%	2009-10	50.00%	65.00%	50.00%	65.00%
2010	\$12,417,659,000,000	309,326,295	\$40,144.21	\$210,454,100,000	5,048,196	\$41,688.97	\$42,194.79	\$40,131.93	50.26%	65.18%	2010-11	50.00%	65.00%	50.00%	65.00%
2011	\$13,189,935,000,000	311,582,564	\$42,332.07	\$226,144,657,000	5,118,400	\$44,182.69	\$42,463.36	\$40,618.28	50.82%	65.57%	2011-12	50.00%	65.00%	50.00%	65.00%
2012	\$13,873,161,000,000	313,873,685	\$44,199.82	\$240,349,703,000	5,189,458	\$46,314.99	\$44,062.22	\$42,225.37	51.00%	65.70%	2012-13	50.00%	65.00%	50.00%	65.00%
2013	\$14,151,427,000,000	316,128,839	\$44,764.75	\$247,068,771,000	5,268,367	\$46,896.65	\$45,798.11	\$43,765.55	50.72%	65.50%	2013-14	50.00%	65.00%	50.00%	65.00%
2014	\$14,708,582,165,000	318,857,056	\$46,129.08	\$260,992,867,000	5,355,866	\$48,730.28	\$47,313.97	\$45,031.22	50.32%	65.22%	2014-15	51.01%	65.71%	50.76%	65.53%
2015	\$15,367,526,645,992	321,368,864	\$47,818.97	\$273,520,524,616	5,439,290	\$50,286.07	\$48,637.67	\$46,237.60	50.21%	65.15%	2015-16	50.72%	65.50%	50.79%	65.55%
2016	\$16,105,167,925,000	323,995,528	\$49,707.99	\$289,931,756,093	5,532,049	\$52,409.47	\$50,475.27	\$47,885.35	50.00%	65.00%	2016-17	50.32%	65.22%	50.42%	65.29%
2017	\$16,894,321,153,325	326,625,791	\$51,723.78	\$307,617,593,215	5,628,099	\$54,657.46	\$52,451.00	\$49,750.25	50.00%	65.00%	2017-18	50.21%	65.15%	50.24%	65.17%

Definitions: FMAP: Federal medical assistance percentage eFMAP: Enhanced FMAP SFY: State fiscal year FFY: Federal fiscal year

(1) FMAP is calculated with the following formula: $FMAP_{state} = 1 - ((Per\ capita\ income_{state}) / (Per\ capita\ income_{U.S.}) * 0.45)$, where per capita incomes are based on a rolling three-year average. (Source: <http://aspe.hhs.gov/health/reports/2014/FMAP2015/fmap15.cfm>)

(2) eFMAP is calculated by lowering the State share under the regular FMAP rate by 30% (Source: <http://aspe.hhs.gov/health/reports/2014/FMAP2015/fmap15.cfm>)

(3) There is a lag between the time period that an FMAP is calculated in, and the time period it goes into effect. For example, the FFY 2014-15 FMAP of 51.01% was calculated based on data from CY 2012.

(4) The SFY FMAP and eFMAP are calculated as one quarter of the previous FFY FMAP/eFMAP and three quarters of the current FFY FMAP/eFMAP. This is due to FMAP changes going into effect on the FFY on October 1, which is one quarter through the SFY.

(5) FY 2015-16 and FY 2016-17 estimated FMAP is calculated based on historical actuals from the Bureau of Economic Analysis (BEA), and will only change if the BEA restates these actuals. FY 2017-18 estimated FMAP is calculated based on forecasts of Personal Income from www.leg.state.co.us and Population from www.census.gov.