

HCIP

To model HCIP, we specified that all Oregon residents would have access to health insurance with an actuarial value of at least 70 percent (the exact actuarial value varies by income, as described above) with no premium, and firms and individuals are allowed to buy “top-up plans” that are more generous. When combined with HCIP, we assumed that the top-up plans would result in total insurance coverage equivalent to a Gold or Platinum plan (i.e., plans with actuarial values of 80 percent or 90 percent, respectively). The premiums for the top-up plans are calculated based on the costs of their risk pool and the administrative fee. Individuals and firms select top-up plans based on the utility maximization framework used throughout COMPARE.

We used Oregon-specific household expenditures from IMPLAN to estimate the sales tax revenue. The goods and services subject to the sales tax excluded in-home food, utilities, and shelter. The distribution of the sales tax was based on household expenditures as a share of income in nine income categories and was distributed uniformly across members within each household.

Tables A.1 through A.8 provide detail on our data sources and detailed results.

Data Sources

Table A.1. Data Sources

Data	Source	Years	Unit of Observation
Population data			
Person-level data	American Community Survey, Public Use Microdata Sample (ACS-PUMS) for the Oregon resident population	2010–2014	Person
	Medical Expenditure Panel Survey, Household Component (MEPS-HC)	2010–2014	Person
Health insurance premiums	Medical Expenditure Panel Survey, Insurance Component (MEPS-IC)	2010–2014	Insurer/ employer
	Centers for Medicare & Medicaid Services (CMS) Health Insurance Marketplace Public Use Files (HIM-PUFs)	2014–2016	Health plan
	OHA/Department of Consumer and Business Services (DCBS)	2014–2016	State
Household expenditures by industry	IMPLAN	2012	State
Projections			

Growth in Oregon resident population	Oregon Office of Economic Analysis (OOEA) Population and Demographic Forecast	2015–2025	State
Baseline growth in aggregate spending on health care services in Oregon, by type of provider	RAND/HMA in consultation with OHA	2015–2025	State
	CMS projections of National Health Expenditures (NHE)	2015–2025	National
Growth in personal income among residents Oregon	OOEA Economic Forecast	2015–2025	State
Growth in aggregate federal and state tax payments by residents of Oregon	OOEA Revenue Forecast	2015–2025	State
Aggregate payments by federal government for health care provided to Oregon residents	OHA (federal payments for Oregon Health Plan)	2014–2020	State
	Congressional Budget Office (CBO) (national only, used for projecting trends)	2014–2020	National
	Office of Management and Budget (OMB) (national only, useful for projecting trends)	2014–2020	National
Provider supply and payment policy data			
Number of nonfederal physicians whose primary activity is providing patient care	Area Health Resource File (AHRF)	2010–2014	County
Physician specialty and practice settings	Physician Workforce Survey Report	2015	State
GSP, total revenues to physician offices	Bureau of Economic Analysis (BEA) data	2010–2014	State
Total revenues to physician offices	CMS State Health Expenditures (SHE)	2009	State
Ratio of physician payment rates in state Medicaid programs relative to Medicare	Zuckerman and Goin (2012)	2010–2014	State
	Wakely reports	2015	State
National estimates of the ratio of physician payment rates for the privately insured versus Medicare	MedPAC reports	2014	State
Ratio of physician payment rates for the privately insured relative to the national average for the privately insured	Nguyen, Kronick, and Sheingold (2013)	2009	State
Number of hospitals, quantity of hospital services, total revenue to hospitals, and ratio of payment rates for Medicare, Medicaid, and all other payers	Medicare hospital cost reports	2010–2014	State

Calibration data			
Aggregate spending on health care services in Oregon, by type of provider	OHA	2010–2015	State
	BEA Regional Economic Accounts	2010–2014	State
	CMS State Health Expenditures (SHE)	2009	State
Aggregate spending on health care services provided to residents of Oregon by public payers	OHA	TBD	State
	CMS Geographic Variation Public Use Files (GV-PUFs)	2010–2014	State
	CMS Medicare & Medicaid Statistical Supplement (MMSS)	2010–2013	State
Aggregate federal and state (income, payroll, property, and sales) tax receipts from residents of Oregon	Internal Revenue Service (IRS) Data Books	2010–2015	State
	OAEA	2010–2015	State
	OHA	2010–2015	State
Provider payment rates relative to Medicare in commercial plans in Oregon and the Oregon Health Plan	McKellar et al. (2012), data supplement (“Harvard_AGG_HRR.xls”) from report on geographic variation for the Institute of Medicine	2005–2010	Hospital referral region
	Medicare hospital cost reports	2010–2014	Hospital
	Price reports from the Health Care Cost Institute (2016)	2015	State

Detailed Results

Table A.2. Number of Oregon Residents (thousands), by Primary Source of Health Insurance Coverage

Primary Source of Health Insurance Coverage	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
Employer-sponsored group coverage	0	0	1,919	1,925
Nongroup coverage (private plans only)	0	0	0	270
Nongroup coverage (with Public Option)	0	0	312	0
Medicare and other	0	962	962	962
Medicaid	0	0	866	870
Health Care Ingenuity Plan	0	3,280	0	0
Single Payer plan	4,241	0	0	0
Uninsured	0	0	183	215

NOTE: "Other" includes health benefits through the FEHB Program, VHA, and the IHS.

Table A.3. Number of Oregon Residents and Share of Residents, by Income Group

Income Group	Number of Residents (thousands)	Share of Residents
<139% FPL	1,422	33.5%
139–250% FPL	698	16.5%
251–400% FPL	731	17.2%
401%+ FPL	1,390	32.8%

Table A.4. Health Care Expenditures per Person, Total and Paid Out of Pocket, by Income Group

	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
<139% FPL				
Health care expenditures	\$8,623	\$9,387	\$8,306	\$8,569
Out of pocket	\$10	\$494	\$575	\$604
Share of health care expenditures paid out of pocket	0.1%	5.3%	6.9%	7.1%

	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
139–250% FPL				
Health care expenditures	\$8,052	\$8,894	\$7,588	\$8,160
Out of pocket	\$27	\$946	\$937	\$1,028
Share of health care expenditures paid out of pocket	0.3%	10.6%	12.4%	12.6%
251–400% FPL				
Health care expenditures	\$7,396	\$8,334	\$7,188	\$7,673
Out of pocket	\$311	\$1,045	\$1,042	\$1,154
Share of health care expenditures paid out of pocket	4.2%	12.5%	14.5%	15.0%
401%+ FPL				
Health care expenditures	\$7,787	\$8,148	\$6,942	\$7,406
Out of pocket	\$311	\$1,157	\$1,157	\$1,275
Share of health care expenditures paid out of pocket	4.0%	14.2%	16.7%	17.2%
All income groups				
Health care expenditures	\$8,043	\$8,718	\$7,548	\$7,966
Out of pocket	\$163	\$881	\$906	\$989
Share of health care expenditures paid out of pocket	2.0%	10.1%	12.0%	12.4%

Table A.5. Health Care Expenditures and Administrative Costs

	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
Health care expenditures (billions)	\$34.1	\$37.0	\$32.0	\$33.8
Health care expenditures (per person)	\$8,043	\$8,718	\$7,548	\$7,966
Administrative costs (billions)	\$2.2	\$2.5	\$2.5	\$2.8
Administrative costs (per person)	\$512	\$594	\$587	\$657
Administrative costs as a share of health care expenditures	6.4%	6.8%	7.8%	8.2%

Table A.6. Payments per Person by Households for Health Care, by Detailed Type of Payment and by Income Group

Payments (\$)	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
<139% FPL				
Employer premium payments	\$0	\$133	\$464	\$493
Employee premium contributions	\$0	\$57	\$201	\$209
Premiums for nongroup coverage	\$0	\$1	\$8	\$9
Medicare and TRICARE premiums	\$0	\$118	\$123	\$123
Federal income tax payments	\$0	\$0	\$0	\$0
Federal payroll tax payments	\$84	\$84	\$75	\$75
State income tax payments	\$9	\$2	\$0	\$0
State payroll tax payments	\$82	\$0	\$0	\$0
State sales tax payments	\$0	\$316	\$0	\$0
Out-of-pocket payments	\$10	\$494	\$573	\$602
Total	\$185	\$1,206	\$1,442	\$1,511
139–250% FPL				
Employer premium payments	\$0	\$352	\$1,267	\$1,353
Employee premium contributions	\$0	\$112	\$414	\$431
Premiums for nongroup coverage	\$0	\$67	\$406	\$415
Medicare and TRICARE premiums	\$0	\$221	\$210	\$210
Federal income tax payments	\$20	\$35	\$0	\$0
Federal payroll tax payments	\$350	\$359	\$327	\$327
State income tax payments	\$514	\$91	\$77	\$77
State payroll tax payments	\$434	\$0	\$0	\$0
State sales tax payments	\$0	\$934	\$0	\$0
Out-of-pocket payments	\$27	\$946	\$810	\$937
Total	\$1,345	\$3,117	\$3,511	\$3,751
251–400% FPL				
Employer premium payments	\$0	\$513	\$1,773	\$1,910
Employee premium contributions	\$0	\$108	\$424	\$459
Premiums for nongroup coverage	\$0	\$165	\$502	\$456
Medicare and TRICARE premiums	\$0	\$184	\$183	\$183
Federal income tax payments	\$442	\$469	\$409	\$409
Federal payroll tax payments	\$622	\$649	\$607	\$607
State income tax payments	\$1,204	\$212	\$196	\$196
State payroll tax payments	\$888	\$0	\$0	\$0
State sales tax payments	\$0	\$1,401	\$0	\$0

Payments (\$)	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
Out-of-pocket payments	\$311	\$1,045	\$1,042	\$1,154
Total	\$3,466	\$4,747	\$5,136	\$5,373
401%+ FPL				
Employer premium payments	\$0	\$606	\$2,149	\$2,311
Employee premium contributions	\$0	\$115	\$470	\$509
Premiums for nongroup coverage	\$0	\$160	\$416	\$368
Medicare and TRICARE premiums	\$0	\$115	\$116	\$116
Federal income tax payments	\$4,315	\$4,566	\$4,451	\$4,451
Federal payroll tax payments	\$3,955	\$4,232	\$4,098	\$4,098
State income tax payments	\$5,574	\$993	\$967	\$967
State payroll tax payments	\$3,268	\$0	\$0	\$0
State sales tax payments	\$0	\$4,579	\$0	\$0
Out-of-pocket payments	\$311	\$1,157	\$1,157	\$1,275
Total	\$17,423	\$16,523	\$13,825	\$14,095

Table A.7. Payments for Health Care as a Share of Household Income, by Income Group

	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
<139% FPL				
Payments for health care per person	\$18	\$1,040	\$1,273	\$1,342
Payments for health care as a share of income	0.3%	17.4%	21.0%	22.1%
139–250% FPL				
Payments for health care per person	\$1,345	\$3,117	\$3,492	\$3,731
Payments for health care as a share of income	7.3%	16.3%	18.3%	19.4%
251–400% FPL				
Payments for health care per person	\$3,466	\$4,747	\$5,136	\$5,373
Payments for health care as a share of income	11.5%	15.2%	16.4%	17.1%
401%+ FPL				
Payments for health care per person	\$17,423	\$16,523	\$13,825	\$14,095

	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
Payments for health care as a share of income	13.0%	12.0%	10.1%	10.2%
All income groups				
Payments for health care per person	\$6,536	\$7,096	\$6,418	\$6,610
Payments for health care as a share of income	12.0%	12.8%	11.5%	11.9%

Table A.8. Average Payment Rates for Hospitals and Physicians and Other Clinical Services

Payment Rates Relative to Medicare (1.00 = Medicare)	Single Payer (Option A)	Health Care Ingenuity Plan (Option B)	Public Option (Option C)	Status Quo (Option D)
Hospitals	1.17	1.54	1.19	1.30
Physicians and other clinical services	1.07	1.26	1.12	1.19

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