

Supplemental Digital Appendix 1: Overall Indicator Changes, 2002-2012

State	% Population change, 2000-2010	Primary care providers per 100,000	% Change in PCGME trainees, unadjusted for population ^a	% Change in medical school graduates, unadjusted for population	% Change in primary care core trainees, unadjusted for population ^b	% Change in primary care fellowship trainees, unadjusted for population ^c
AK	13.3	70.3	25.0	110.0	25.0	0.0
AL	7.5	54.7	25.5	17.4	30.4	19.2
AR	9.1	52.8	12.9	-7.0	24.3	61.5
AZ	24.6	54.9	7.6	108.1	18.6	81.3
CA	10.0	60.8	-22.4	17.1	-17.2	23.2
CO	16.9	66.7	5.6	115.7	4.6	-3.2
CT	4.9	76.8	-7.1	-1.6	1.1	30.0
DC	5.2	110.1	4.1	12.9	-5.7	-17.6
DE	14.6	65.2	-73.9	0.0	-73.9	0.0
FL	17.6	60.2	-6.7	80.4	9.4	66.2
GA	18.3	53.6	-33.2	41.5	-26.0	29.8
HI ^d	12.3	75.5	-29.6	22.6	-20.4	--
IA	4.1	57.4	-29.8	0.6	-19.0	50.0
ID	21.1	50.2	83.3	12.5	83.3	0.0
IL	3.3	66.3	-13.5	-0.2	-12.6	3.5
IN	6.6	53.3	-1.4	6.6	0.0	7.7
KS	6.1	63.5	-5.7	-4.0	14.3	155.6

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 Changes in primary care graduate medical education are not correlated with indicators of need:
 Are states missing an opportunity to strengthen their primary care workforce? Acad Med.

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KY	7.4	55.1	-21.5	7.9	-8.9	47.6
LA	1.4	52.0	53.3	12.4	67.4	20.3
MA	3.1	84.1	2.9	15.1	7.7	8.4
MD	9.0	81.1	-10.3	0.5	-1.3	17.9
ME	4.2	79.1	-2.7	18.3	-8.1	-40.0
MI	-0.6	65.2	-3.6	24.5	1.8	23.6
MN	7.8	73.0	-15.8	4.8	-7.7	20.8
MO	7.0	57.9	0.6	7.3	2.9	4.8
MS	4.3	45.2	-34.8	10.3	-17.4	57.1
MT	9.7	62.2	16.7	0.0	16.7	0.0
NC	18.5	58.4	-1.9	7.5	7.3	24.4
ND	4.7	68.5	-3.3	9.3	-3.3	0.0
NE	6.7	59.8	38.6	6.8	56.1	71.4
NH	6.5	65.5	-4.8	46.8	0.0	7.7
NJ	4.5	77.2	-3.3	15.1	1.7	27.8
NM	13.2	61.5	-39.6	-13.5	-22.9	57.1
NV	35.1	47.8	46.3	262.0	46.3	0.0
NY	2.1	79.0	-7.3	11.9	-5.3	6.6
OH	1.6	63.1	-4.0	15.3	7.6	70.7

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OK	8.7	56.0	-11.3	9.0	-2.8	37.5
OR	12.0	67.5	-16.1	33.3	-9.2	40.0
PA	3.4	71.9	-17.1	17.2	-9.1	28.6
RI	0.4	79.7	0.0	1.3	1.5	4.0
SC	15.3	53.9	0.0	9.0	10.2	54.5
SD ^d	7.9	65.3	8.7	0.0	17.4	--
TN	11.5	60.3	9.2	31.9	22.2	43.5
TX	20.6	49.0	-9.1	17.3	1.7	34.5
UT	23.8	49.0	3.5	-5.7	14.0	54.5
VA	13.0	63.7	-2.5	52.3	9.3	47.5
VT	2.8	87.4	60.0	22.6	50.0	-8.3
WA	14.1	68.0	12.4	62.2	23.0	65.4
WI	6.0	66.8	-7.1	5.7	2.9	32.6
WV	2.5	63.9	21.1	83.1	29.8	38.5
WY	14.1	56.9	22.2	40.0	22.2	0.0

Abbreviation: PCGME indicates primary care graduate medical education.

^aPCGME trainees is a net primary care provider estimation, calculated by summing the core trainees and then subtracting fellowship trainees.

^bCore trainees include postgraduate year 1 (PGY-1) trainees in core primary care programs—that is, programs in internal medicine (excluding preliminary/transitional positions), family medicine, and pediatrics.

^cFellowship trainees include initial subspecialty fellowship trainees in the specialties of internal medicine, family medicine, and pediatrics.

^dThese states had no primary care fellowship trainees established as of 2002 and added fellowship trainees by 2012.