

Supplemental Information for Estimating the Number and Characteristics of Hospitalist Physicians in the United States and Their Possible Workforce Implications

References

1. Wachter RM, Goldman L. The emerging role of 'hospitalists' in the American health care system. *N Engl J Med.* 1996;335(7):514–17.
2. Society of Hospital Medicine. 2010 Media Kit. 2010. Available at: <http://www.hospitalmedicine.org/AM/Template.cfm?Section=Home&CONTENTID=23077&TEMPLATE=/CM/ContentDisplay.cfm>.
3. Wachter RM, Goldman L. The hospitalist movement 5 years later. *JAMA.* 2002;287(4): 487–94.
4. American Hospital Association. *Annual Survey of the American Hospital Association.* Chicago, Ill. 2010.
5. Fernandez A, Grumbach K, Goitein L, Vranizan K, Osmond DH, Bindman AB. Friend or foe? How primary care physicians perceive hospitalists. *Arch Intern Med.* 2000;160:2902–08.
6. Nowak L, Whelan C. AMA principles for a sustainable and successful hospital program. Available at: www.ama-assn.org/ama/pub/about-ama/our-people/member-groups-sections/organized-medical-staff-section/helpful-resources/hospitalist-principles.shtml. Accessed on February 28, 2011.
7. Sharma G, Fletcher KE, Zhang D, Kuo YF, Freeman JL, Goodwin GS. Continuity of outpatient and inpatient care by primary care physicians for hospitalized older adults. *JAMA.* 2009;301(16):1671–79.

Acknowledgements

We would like to thank Dr. Paul Rockey for his help with this project and all our survey co-sponsor organizations: the American Medical Association; the American Academy of Family Practice; the American Academy of Pediatrics; the American College of Physicians; and the American Association of Colleges of Osteopathic Medicine.

Tables

Supplemental Table 1: Construction of Analytical Sample for Hospitalist Analysis from the AAMC's 2009 Survey of Primary Care Physicians

Sample selection criterion	Unweighted count of respondents
Total sample	3,323
1) Active in medicine providing direct patient care	2,962
2) Active in medicine providing direct patient care	2,784
3) Answered question, "Are you a hospitalist?"	2,746

Note: Effect of selection criteria is cumulative. For example, unweighted count provided for specialty selection (2,784) includes only those respondents who were *also* active in medicine providing direct patient care.

Supplemental Table 2: Examples of AAMC's 2009 Survey of Primary Care Physicians Sample Rates Applied to AMA Masterfile Data to Estimate Total Hospitalist Supply in the United States

Specialty	AMA Masterfile Direct Patient Care Physicians, 2010*	Survey Percentage in Specialty Who Reported Being Hospitalist, 2009	Estimated Number of Hospitalists
Family Medicine**	101,335	4.8%	4,858
Internal Medicine	94,209	16.5%	15,576
Internal Medicine Subspecialists	85,382	5.7%	4,894
Pediatrics	49,866	5.0%	2,494
Pediatric Subspecialists	7,297	10.3%	751
Obstetrics/Gynecology	37,506	2.9%	1,094
Total			29,667

*Source: AAMC Analysis of the AMA Physician Masterfile, 2011 (2010 Data)

**Includes General Practice

Note: In order to develop the range of estimates reported in the main text, seven estimates were generated using rates for age, sex, specialty, and all four combinations of these three variables.

Supplemental Table 3: Response Bias Analysis for AAMC's 2009 Survey of Primary Care Physicians

	Respondents N (%)	Nonrespondents N (%)	P value
Mean age	52.3	50.2	0.00
Male	2,092 (63.0)	3,542 (62.4)	.305
International Medical Graduates (IMGs)	629 (18.9)	1,431 (25.3)	0.00
Specialty (AMA variable)			
Family Medicine	782 (23.5)	1,111 (19.6)	0.00
General Practice	76 (2.3)	161 (2.8)	0.07
General Pediatrics	910 (27.4)	1,090 (19.2)	0.00
General Internal Medicine	743 (22.4)	1,407 (24.8)	0.00
Region			
Northeast	947 (28.5)	1,636 (28.8)	0.38
South	1,032 (31.1)	1,771 (31.2)	0.46
Midwest	647 (19.5)	1,140 (20.1)	0.25
West	697 (21.0)	1,130 (19.9)	0.12