POLICY BRIEF

Family Physicians' Contributions to Rural Emergency Care and Urban Urgent Care

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Using 2017 data, we demonstrate a sharp increase in the proportion of family physicians (FPs) working primarily in rural emergency departments and increasing numbers of FPs working in urgent care centers. Despite growth in emergency medicine–trained physicians, FPs are likely to continue to be the backbone of emergency care in rural America. (J Am Board Fam Med 2019;32:295–296.)

Keywords: **Family Physicians, Rural Health**

Family Physicians (FPs) have long contributed to providing emergent/urgent care in both Emergency Departments (EDs)[1] and Urgent Care Centers (UCCs).[2] Data from 2008 to 2012 show that 3.6% and 3.1% of FPs worked primarily in EDs or UCCs with an increasing percentage in rural EDs, up to 8.5% in frontier settings.[2] However, this may only tell part of the story as FPs often cover EDs and UCCs in addition to their primary outpatient practice. Our objective was to comprehensively determine the presence of FPs in EDs and/or UCCs: we assessed whether the percentage of FPs primarily providing care in EDs or UCCs is changing and how many FPs cover EDs and UCCs even though it is not the primary focus of their practices.

We used data from the 2017 American Board of Family Medicine Family Medicine Certification Examination registration questionnaire.[3] FPs primarily working in EDs and UCCs were identified if they did not provide continuity care and instead indicated ED or UCC as their primary practice setting. FPs covering EDs or UCCs were identified as those who primarily provided continuity care but indicated that they also saw patients in ED or UCC settings. Primary practice address was geocoded and rurality assigned using population clusters of the Rural Urban Continuum Codes.[4] The American Academy of Family Physicians Institutional Review Board approved this study.

The response rate was 100%. After excluding physicians living outside the United States and those without geocoded addresses (n = 741) the final sample was 9408. The sample was concentrated in urban areas: 84.0% urban, 6.0% large rural, 8.5% small rural, and 1.5% frontier. Just over 1 in 5 FPs (21.2%) worked to some extent in either an ED or UCC setting. The percentage of FPs primarily practicing in EDs or UCCs was 5.0% and 5.9% respectively, while the percentage covering EDs or UCCs was 3.8% and 6.5% (Figure 1). FPs primarily in ED settings peaked at 13.4% in small rural areas while the percent covering the ED increased greatly with increasing rurality to 29.1% in frontier areas. Few rural FPs provided care in UCCs.

We found small increases in the proportion of FPs primarily practicing in ED or UCC settings compared with data from 2008 to 2012. Our finding that FPs working primarily in or covering UCCs is more common in urban areas likely reflects the largely urban distribution of these facilities[5] and their preference to use FPs.[6] The large numbers of FPs combining ED and conti-

This article was externally peer reviewed.
Submitted 9 November 2018; revised 3 January 2019; accepted 10 January 2019.
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Funding: none.
Conflict of interest: LEP, JCP, and WPN are employees of the American Board of Family Medicine.
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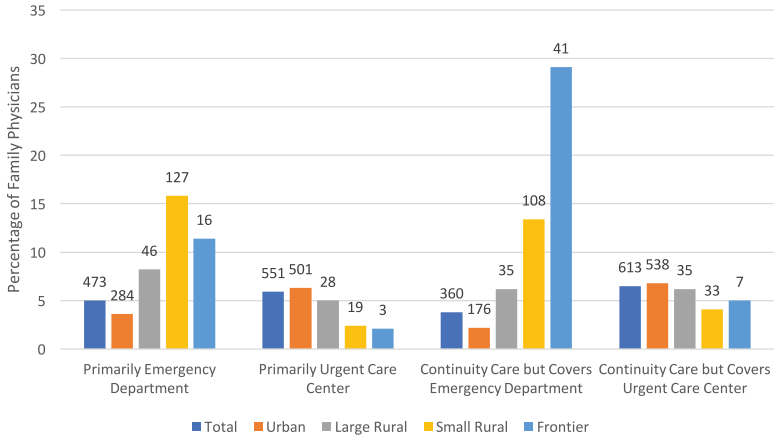
J Am Board Fam Med: first published as 10.3122/jabfm.2019.03.180338 on 8 May 2019. Downloaded from http://www.jabfm.org/ on 14 November 2026 by guest. Protected by copyright.

Figure 1. Percentage of family physicians in 2017 Reporting Primarily Providing or Covering in Emergency Departments or Urgent Care Centers (n = 9,408).



nuity practice in rural areas illustrates a broader pattern—FPs' plasticity to tailor their practice to what their community needs. In this case it is emergency care, and in other settings it may be hospital work, nursing home care, or deliveries. While projections of growth in emergency medicine training slots make it possible that every ED could have an emergency medicine–trained physician,[7] low-volume rural EDs will likely remain highly dependent on broad-scope FPs to meet their staffing needs.

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References

1. Peterson LE, Bazemore A, Dodoo M, Phillips RL Jr. Family physicians help meet the emergency care needs of rural America. Am Fam Physician 2006;73:1163.
2. Petterson S, Peterson L, Phillips R, et al. One in fifteen family physicians principally provide emergency or urgent care. J Am Board Fam Med 2014;27:447–8.
3. Peterson LE, Fang B, Phillips RL Jr, Avant R, Puffer JC. The American Board of Family Medicine's data collection strategy for tracking their specialty. J Am Board Fam Med 2019;32:89–95.
4. USDA. Rural-urban continuum codes. 2016. Available from: https://www.ers.usda.gov/data-products/rural-urban-continuum-codes/. Accessed October 31, 2018.
5. Le ST, Hsia RY. Community characteristics associated with where urgent care centers are located: a cross-sectional analysis. BMJ Open 2016;6:e010663.
6. Weinick RM, Bristol SJ, DesRoches CM. Urgent care centers in the U.S.: findings from a national survey. BMC Health Serv Res 2009;9:79.
7. Reiter M, Wen LS, Allen BW. The emergency medicine workforce: Profile and projections. J Emerg Med 2016;50:690–3.

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