The Emerging Landscape of Rural Residency Training: Defining Program Types and Assessing Their Value

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Road map

- 1. Review past evidence on rural training types and outcomes, and align that evidence with evolving definitions
- 2. Describe a new typology of rural residency training
- 3. Review current studies connecting types and outcomes
- 4. Engage in feedback and discussion regarding the typology

1985-2010 (Family Medicine)

Self-defined 'rural' residency training Rural Train Tracks ('RTTs'): 1 year urban, 2 years rural training

Rosenthal TC, Maudlin RK, Sitorius, M, et al. Rural training tracks in 4 family medicine residencies. Acad Med. 1992;67(10):685–691.

Research on rural training and outcomes

Bowman RC, Penrod JD. Family practice residency programs and the graduation of rural family physicians. Fam Med 1998;30(4):288-92.

Rosenthal TC. Outcomes of rural training tracks: a review. J Rural Health 2000;16(3):213-16.

Rosenblatt RA, Schneeweiss R, Hart LG, Casey S, Andrilla CH, Chen FM. Family medicine training in rural areas. JAMA 2002;288(9):1063-4.

Chen FM, Andrilla CHA, Doescher MP, Morris C. Family medicine residency training in rural locations. Final Report #126. Seattle, WA: WWAMI Rural Health Research Center, University of Washington. 2010.

2010-2016

RTT Technical Assistance Program funded by Federal Office of Rural Health Policy, HRSA, to expand rural family medicine residency programs More rigorous investigation reveals inconsistent definitions of geo-

More rigorous investigation reveals inconsistent deplocation

Patterson DG, Schmitz D, Longenecker R, Andrilla CHA. Family medicine Rural Training Track residencies: 2008-2015 graduate outcomes. Seattle, WA: WWAMI Rural Health Research Center, University of Washington. Feb 2016. <u>https://familymedicine.uw.edu/rhrc/publications/family-medicine-rural-training-</u> <u>track-residencies-2008-2015-graduate-outcomes/</u>

Research on rural training and outcomes

Patterson DG, Schmitz D, Longenecker R, Squire D, Skillman SM. Graduate medical education financing: sustaining medical education in rural places. Seattle, WA: WWAMI Rural Health Research Center, University of Washington; May 2015. https://familymedicine.uw.edu/rhrc/wpcontent/uploads/sites/4/2015/10/RTT Finances PB.pdf

Evans DV, Patterson DG, A Andrilla CH, Schmitz D, Longenecker R. Do Residencies That Aim to Produce Rural Family Physicians Offer Relevant Training? Fam Med. 2016 Sep;48(8):596-602. PMID: 27655191.

Patterson DG, Andrilla CHA, Garberson L. Preparing physicians for rural practice: the availability of rural training and content in rural-centric residency programs. J Grad Med Educ. 2019;11(5):550-557. https://doi.org/10.4300/JGME-D-18-01079.1

2016-2023

Common nomenclature

- Integrated RTT' and 'rural program' using federal definitions
- RTT Collaborative endorsement of a new definition in 2016 and a JGME publication in 2017
- Building a rural training database using a consistent definition of 'rural program' based on *time spent in rural training*
- Inclusion of osteopathic programs

'Value' studies of scope, preparation, resident performance, and graduate practice locations build evidence for outcomes

Longenecker R. Rural Medical Education Programs: A Proposed Nomenclature. Journal of Graduate Medical Education June 2017;9(3):283-286. https://doi.org/10.4300/JGME-D-16-00550.1

Research on rural training and outcomes

Meyers P, Wilkinson E, Petterson S, et al. Rural Workforce Years: Quantifying the rural workforce contribution of family medicine residency program graduates, J Grad Med Educ. 2020;12(6):717–726.

Russell DJ, Wilkinson E, Petterson S, Chen C, Bazemore A. Family Medicine Residencies: How rural training exposure in GME is associated with subsequent rural practice. J Grad Med Educ. 2022 Aug;14(4):441-450.

Patterson DG, Shipman SA, Pollack SW, Andrilla CHA, Schmitz D, Evans D,
Peterson LE, Longenecker R. Growing a rural family physician workforce: the contributions of rural background and rural place of residency training. Health Serv Res. 2024 Feb;59(1):e14168. doi: 10.1111/1475-6773.14168.

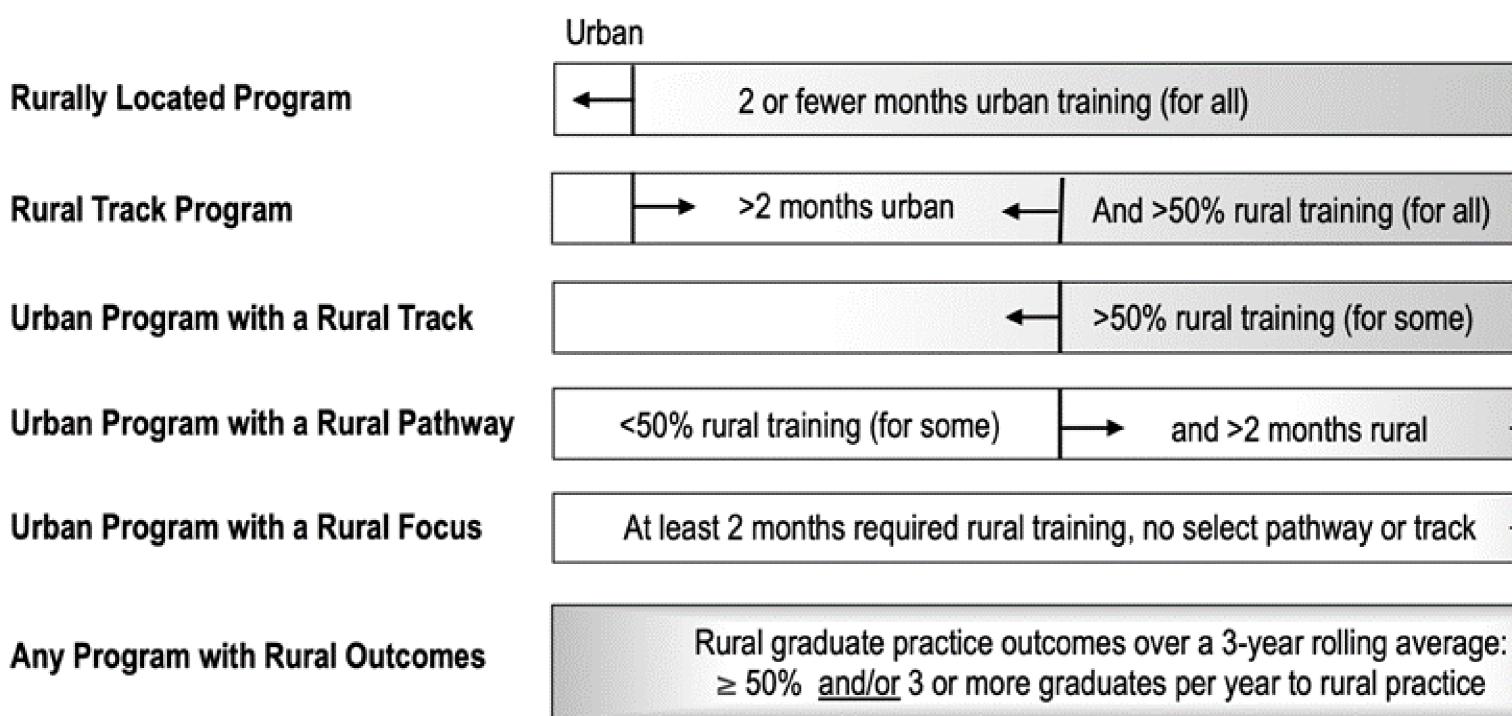
Takeaways from reviewing past work

- Early studies used varying definitions of 'rural' training
 - Self-reported rural training frequently yielded inconsistent results
 - "Rural-centric" programs with a rural mission often reported 'rural' training locations that were actually *urban* according to standard definitions
- RTTs (now RTPs) are an important subset to examine but don't include all types of rural training
 - RTTs only in family medicine
 - Only one specific type of rural training
- > Need for a comprehensive, widely accepted, standardized way of thinking about, measuring, and promoting awareness of rural training!

A New Typology of Rural Residency Training

- Based on over 2 decades of learning
- Depending on program type, criteria incorporate:
 - Nomenclature distinguishes between them based on rural/urban locations and amount of rural vs. urban training, and required vs. optional rural training
 - Acknowledges rural practice outcomes of graduates
- Rural classification acknowledges the range and differences across rural and frontier communities:
 - "Rural" includes any geographic location defined as rural by any 2 of more than 75 existing federal definitions (e.g., Core-Based Statistical Areas, Rural-Urban Commuting Area codes).

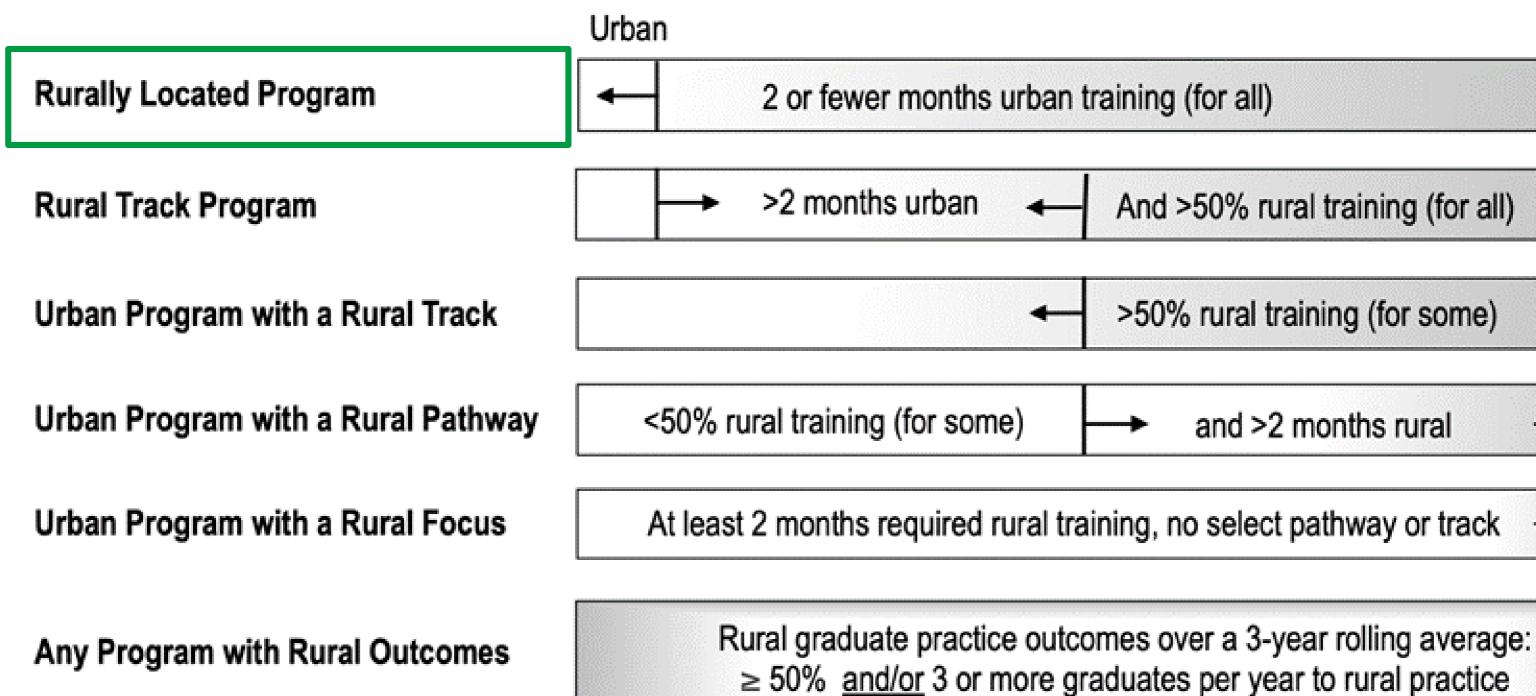
The RTT Collaborative (now Rural Medical Training Collaborative). https://rttcollaborative.net/rttcparticipating-programs/typology-of-participating-programs; publication currently in review



Rural

And >50% rural training (for all)

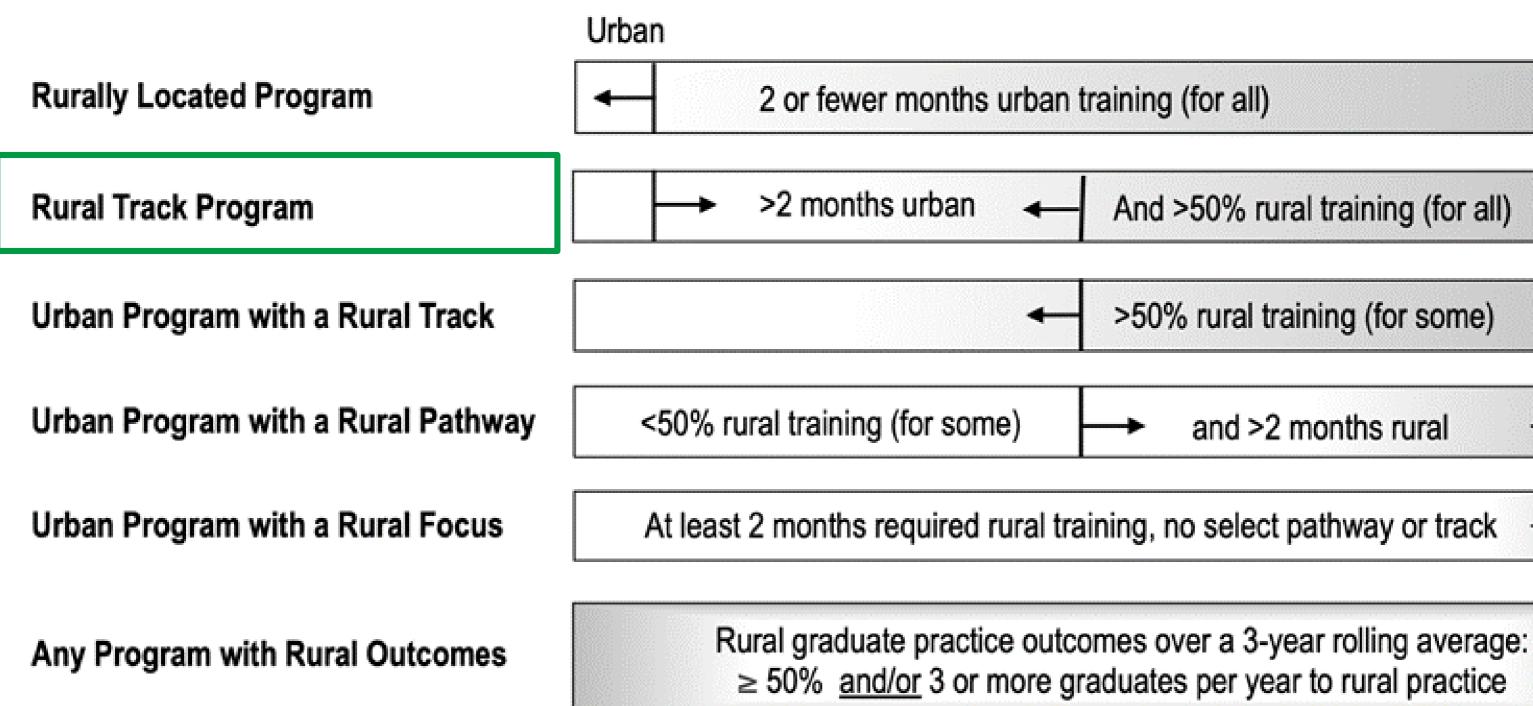
>50% rural training (for some)



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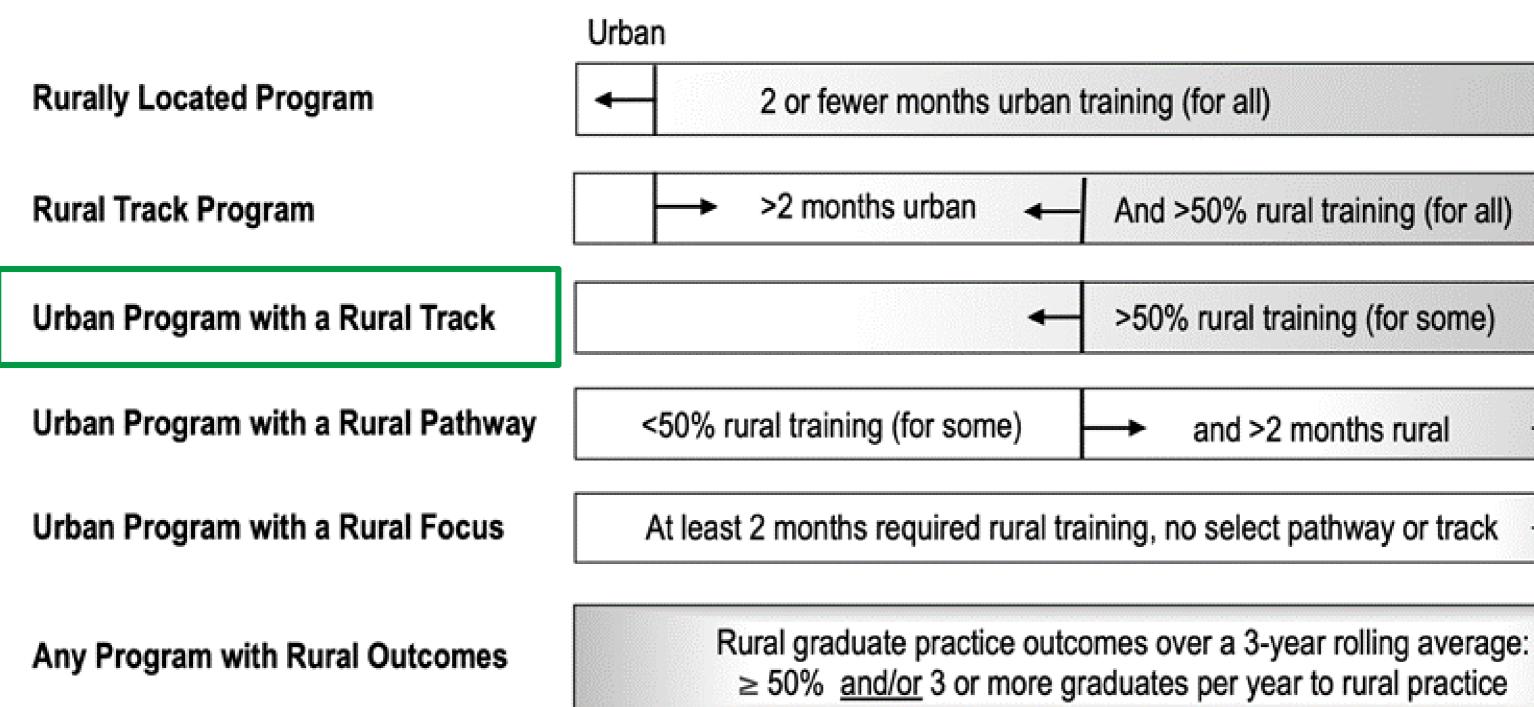
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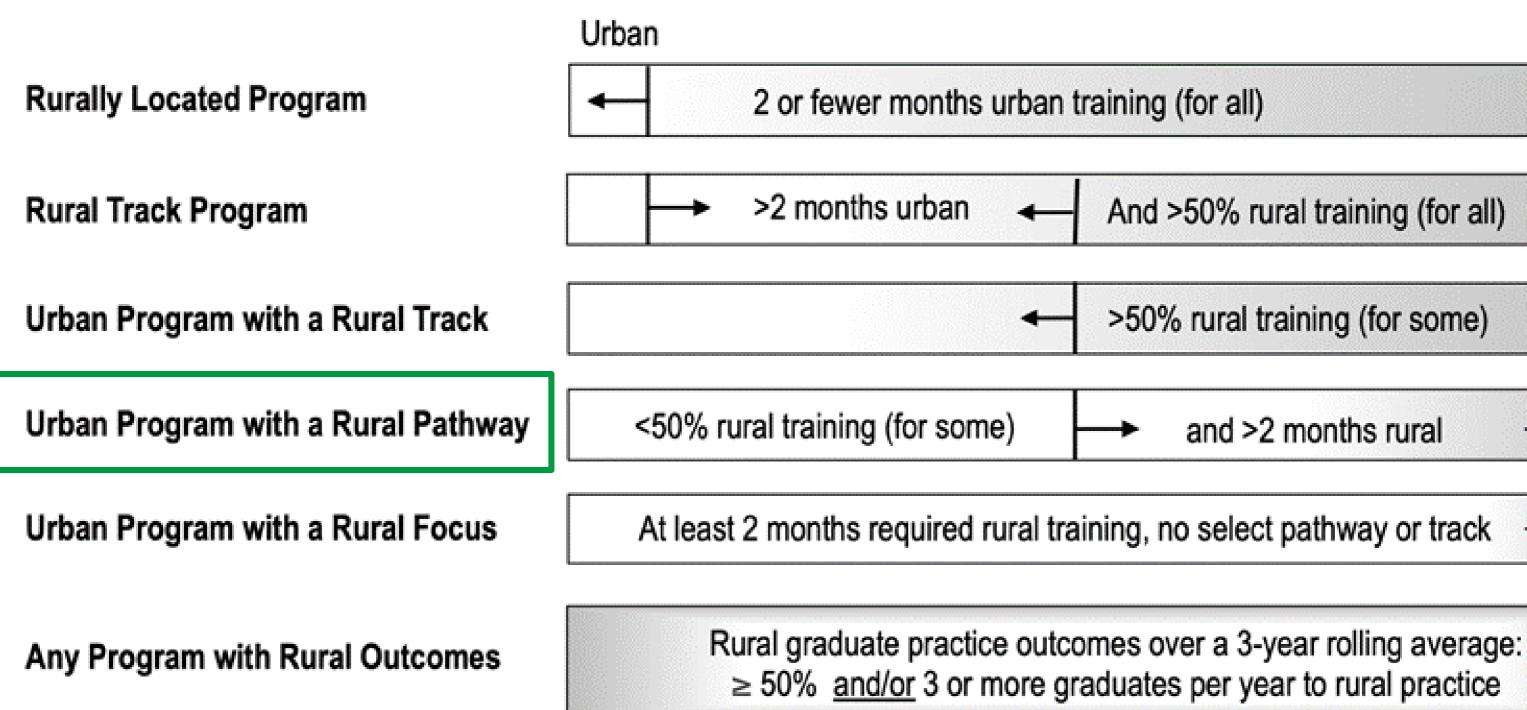
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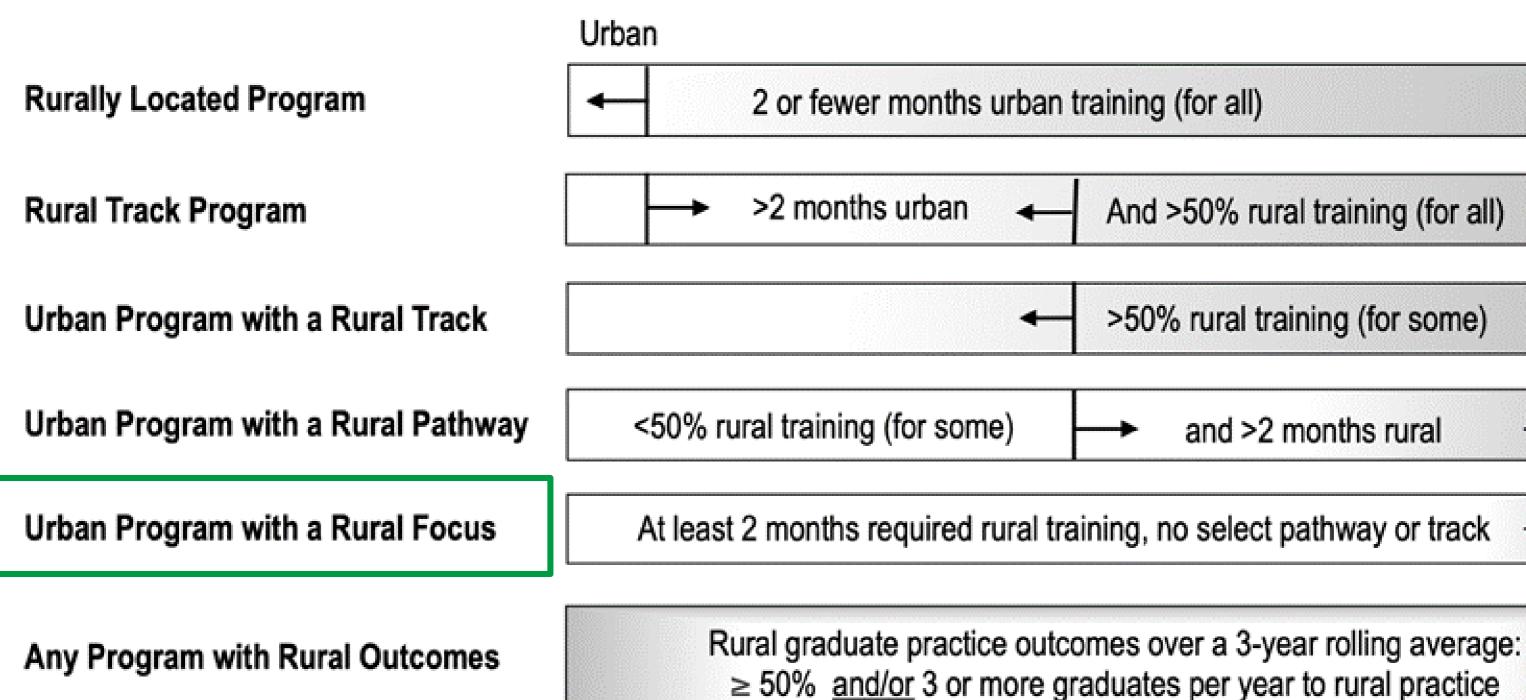
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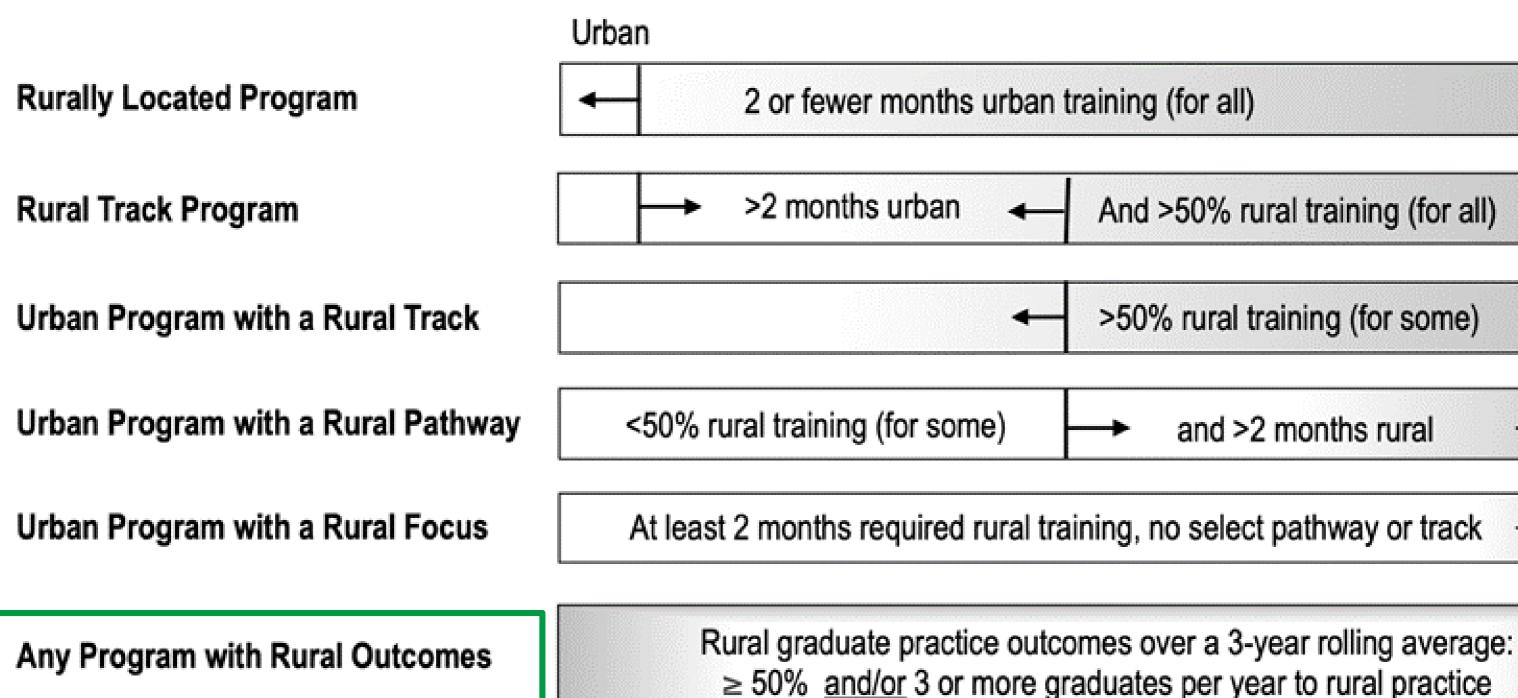
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Interactive Map

https://rttcollaborative.net/rural-programs/residency-map/

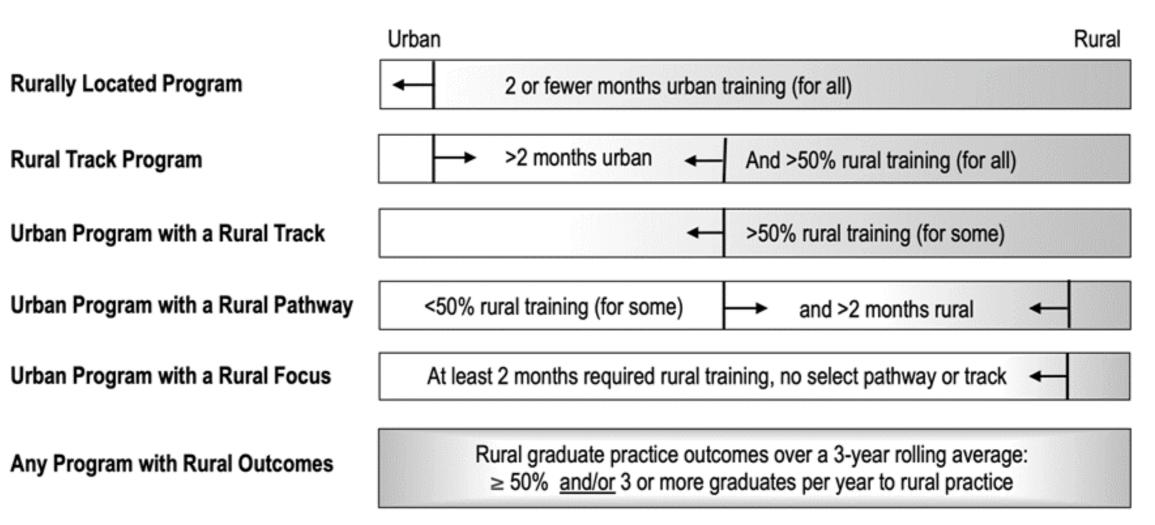
Two New Studies

Identify distribution of the 6 types and examine relative yields to rural practice:

- 1. Family medicine
- 2. General surgery (and assess how well the typology fits)

Discussion

- 1. How well do the 6 account for varied types of training? Is anything missing?
- 2. How applicable is the typology to specialties outside of family medicine?
- 3. In what ways could the typology be used?



Is anything missing? family medicine?

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