

Rural Pharmacy Research Findings: What we Know

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In collaboration with researchers from RUPRI Center North Carolina Rural Health Research & Policy Analysis Center

Presented to "Emerging Issues in Rural Pharmacy Meeting" September 27-28, 2007

Principal Research Activities

- Supply of pharmacists
- Telepharmacy
- Location of independent pharmacies
- Experiences of rural independent pharmacies







Supply of pharmacists

- State level analyses
- Distributional issues
- Recommendations from a three state study published in 2001 by the RHR





Among the recommendations

- Target initiatives to address problems with access to pharmacies critical for access
- State boards should explore ways to allow or encourage alternative methods o providing pharmacy services in underserved areas
- Explore models to provide relief coverage for rural pharmacies

 "In designing a Medicare prescription benefit, Congress should consider the potential financial impact on rural pharmacies."

Source: MM Casey, J Klinger, I Moscovice. "Access to Rural Pharmacy Services in Minnesota, North Dakota, and South Dakota. Working Paper Series #36. Rural Health Research Center, University of Minnesota. July, 2001.



Rural pharmacies support rural hospitals

- Over one-third of rural hospitals in a recent survey reported having pharmacist on site less than 40 hours per week
- 46% had 1.0 fte or less
 - 17% shared pharmacist with another hospital
 - Implication: services from the local pharmacist

Source: MM Casey, I Moscovice, and Gestur Davidson. "Pharmacist Staff and the use of Technology in Small Rural Hospitals: Implications for Medication Safety" Upper Midwest Rural Health Research Center. December, 2005.



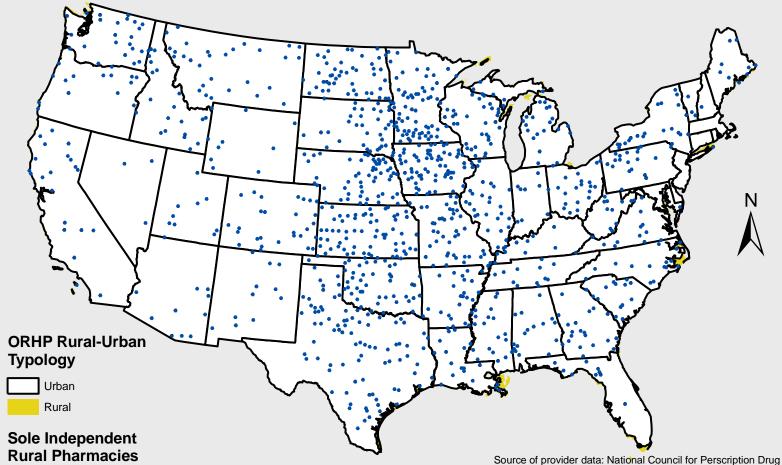


Telepharmacy

- Leadership in some states, including North
 - National study underway by Upper Midwest Center to survey the 50 State Offices of Rural Health, state hospital associations and/or state pharmacy boards; and phone surveys of CEOs and /or Pharmacy Directors in rural hospitals in selected states

Where are the rural independent pharmacies?

Location of United States Sole Rural Community Independent Pharmacies 10 Miles or More From Any Other Retail Pharmacy



• 10 Miles or More From Any Other Retail Pharmacy

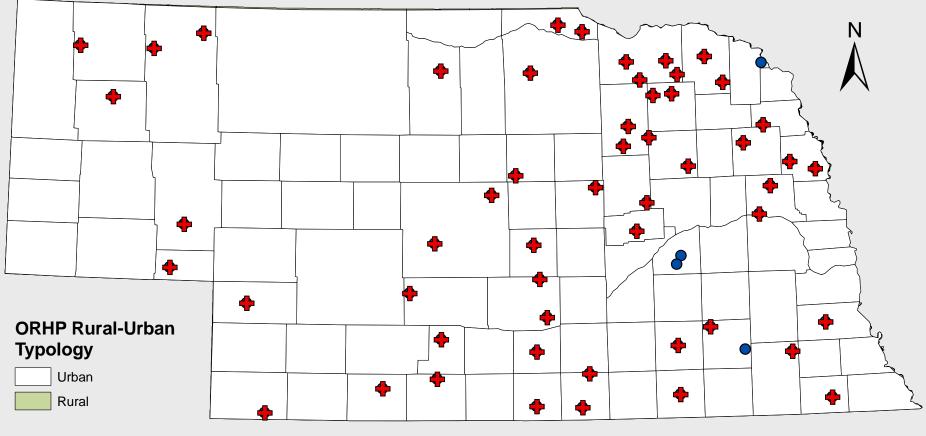
Note: Sole independent pharmacy is the only pharmacy in a community and is independently owned.

Programs, 2007. Source of Rural designations: Office of Rural Health Policy,

HRSA, 2005. Produced by: RUPRI Center for Rural Health Policy Analysis,

2007. Cartography by: Nicole Vanosdel

Location of Sole Rural Community Independent Pharmacies in Nebraska



Sole Independent Rural Pharmacies

- 10 Miles or More From Any Other Retail Pharmacy
- Within 10 Miles of Another Pharmacy

Note: Sole independent pharmacy is the only pharmacy in a community and is independently owned.

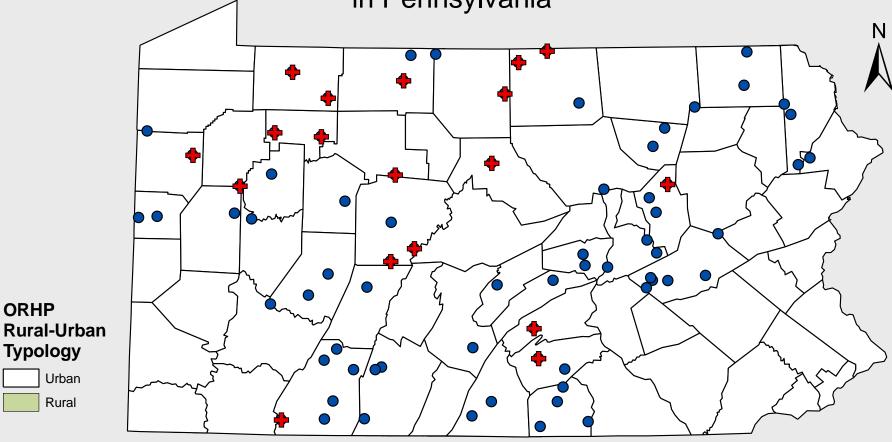


Source of provider data: National Council for Perscription Drug Programs, 2007.

Source of Rural designations: Office of Rural Health Policy, HRSA, 2005.

Produced by: RUPRI Center for Rural Health Policy Analysis, 2007. Cartography by: Nicole Vanosdel

Location of Sole Rural Community Independent Pharmacies in Pennsylvania



Sole Independent Rural Pharmacies

- 10 Miles or More From Any Other Retail Pharmacy
- Within 10 Miles of Another Pharmacy

Note: Sole independent pharmacy is the only pharmacy in a community and is independently owned.

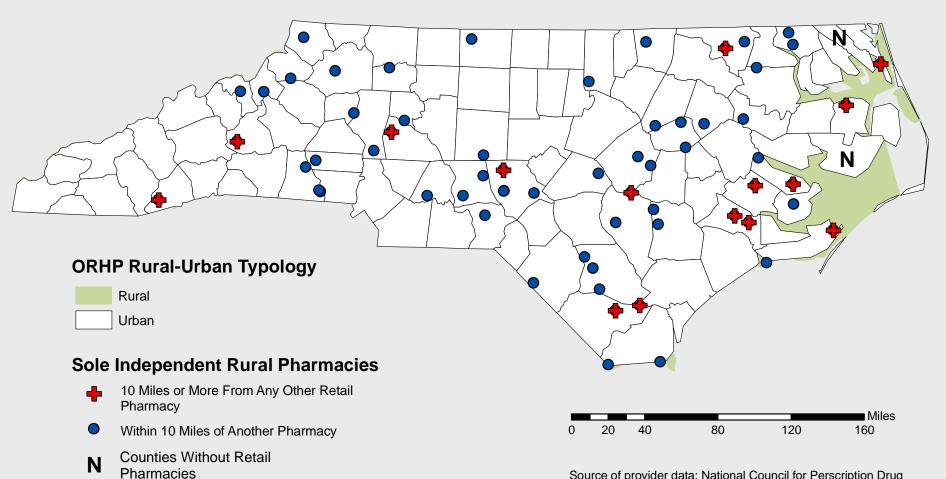


Source of provider data: National Council for Perscription Drug Programs, 2007.

Source of Rural designations: Office of Rural Health Policy, HRSA, 2005.

Produced by: RUPRI Center for Rural Health Policy Analysis, 2007. Cartography by: Nicole Vanosdel

Location of Sole Rural Community Independent Pharmacies in North Carolina



Note: Sole independent pharmacy is the only pharmacy in a community and is independently

owned.

Source of provider data: National Council for Perscription Drug Programs, 2007. Source of Rural designations: Office of Rural Health Policy, HRSA, 2005.

Produced by: RUPRI Center for Rural Health Policy Analysis, 2007. Cartography by: Nicole Vanosdel.

Location of Sole Rural Community Independent Pharmacies in Arkansas

ORHP Rural-Urban Typology



Sole Independent Rural Pharmacies

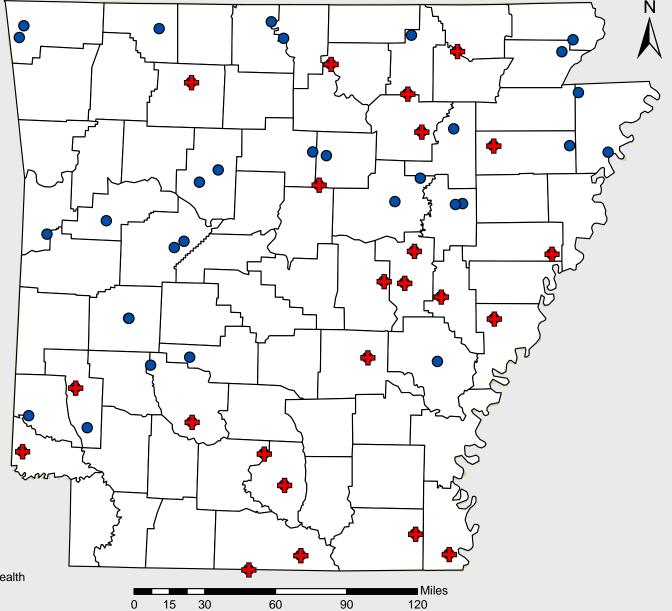
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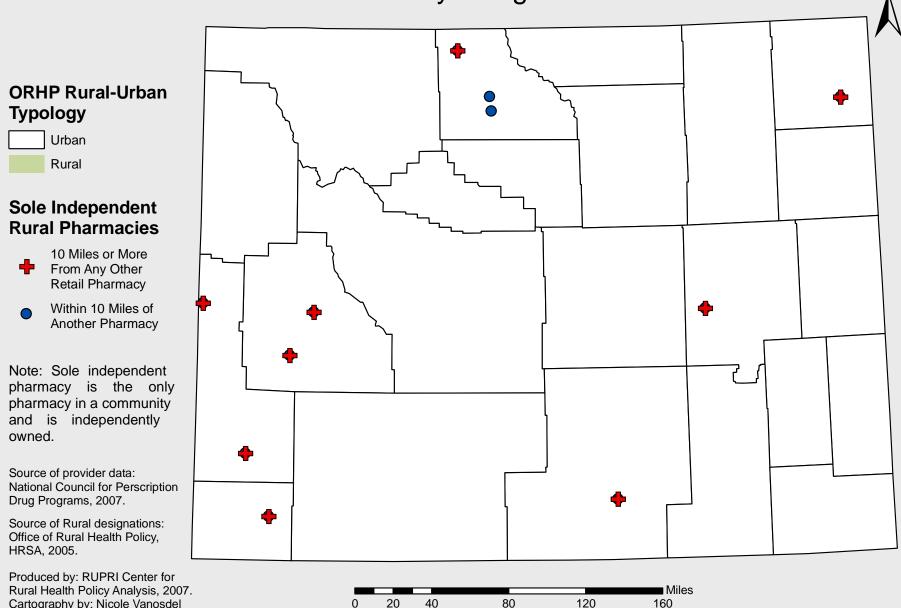
Source of Rural designations: Office of RuralHealth Policy, HRSA, 2005.

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Location of Sole Rural Community Independent Pharmacies in Wyoming

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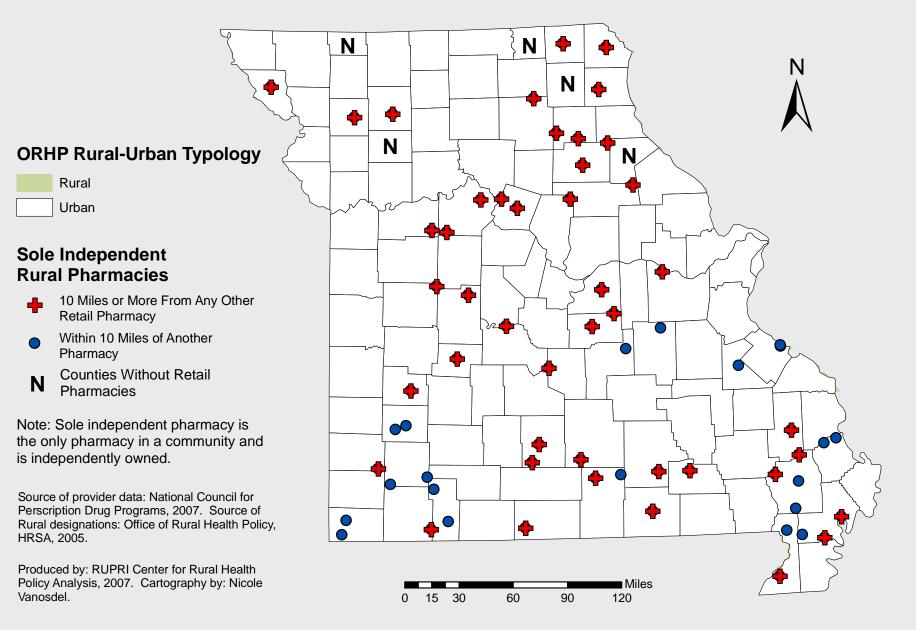
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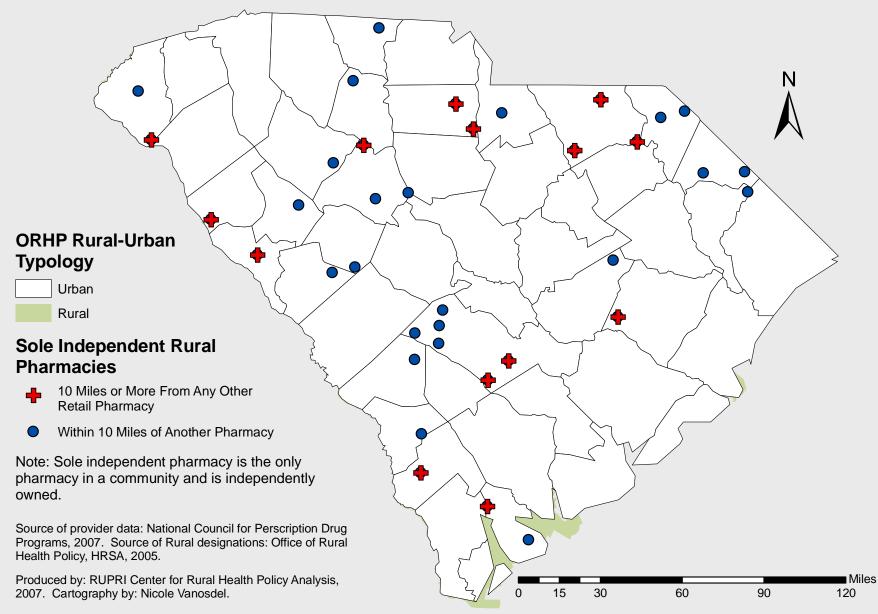
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Cartography by: Nicole Vanosdel

Location of Sole Rural Community Independent Pharmacies in Missouri



Location of Sole Rural Community Independent Pharmacies in South Carolina





Magnitude of issue

 2019 sole rural community pharmacies in the US (only pharmacy in that community, and independently owned)

 1044 of them at least 10 miles from next nearest pharmacy

Source: MD Shambaugh-Miller, N VanOsdel and KJ Mueller. "Sole Community Pharmacies in Rural America." *Rural Policy Brief* RUPRI Center for Rural Health Policy Analysis. Forthcoming.

Findings from interviews

- Sample of 51 sole community independent pharmacies at least 10 miles from next nearest pharmacy
- Pharmacies in 27 states and 8 of the nine census divisions (all except New England)
- Project of the RUPRI Center and the North Carolina Center



Administrative effort during open enrollment

 Aver 4.5 hours per day dealing with Medicare Part D enrollment or formulary issues

 47% reported personally working extra hours (7.3 hours per week on average) and 32% indicated their staff worked a few extra hours

Minimal effect on payroll, but ...



- Less time for patient counseling
- Less time for reading information about new medications
 - Less time for activities such as filing prescriptions, ordering, stocking shelves, merchandising, removing out of date merchandise, cleaning
- Unable to keep up with bookkeeping and got behind in making bank deposits, reconciling payments, and paying bills

Assisting beneficiaries

- 63% indicated someone not affiliated with pharmacy available to help patients with enrollment questions
- But 20 of the 32 who said there was help said the source was a representative of a PDP
- In 16 communities counseling made available by local organizations for the aged





 Auto-assignment a problem for portion of patients dually eligible

Dealing with multiple plans' formularies and need to obtain prior authorization for Part D patients



Financial impact

- Current status: 31% good strong or excellent; 47% stable, average or fair; 22% poor, declining or unstable
- 53% same as 6 months prior to the interview;
 37% declined; 10% improved
- Best to worst payers: self, Medicaid, Commercial, Part D
- Of the 23 respondents able to report gross margin per prescription for Part D, 87% said lower than margin needed to stay in business
- Debt burden varies and helps explain financial condition



Contracting with Part D plans

- 84% not dropped any plans
- Of 8 who dropped plans 6 reported low reimbursement as the reason
- Very few beneficiaries affected





Respondent comments and suggestions

- Idea of owning independent store less attractive
- New Medicaid payment rule will negatively affect profitability
- Slow reimbursement a problem
- Need for better communication paramount



Further research

Continued monitoring of impactsMore elaborate design

Tracking location





Thank you.

For more information please visit:

http://www.unmc.edu/ruprihealth/

http://www.shepscenter.unc.edu/ research_programs/rural_program/