











Colle	ege or	Pha	rmacy			Twin Ci	ties 🚸 Dulutl
	Μ	IN (Clos	ure	s 20	03-200	9
Town	Data Year	Pop.	Owner Age	Yrs to retire	Nearest Pharm.	Number of Annual Rxs	Rx Dept. Revenue
1	2006	1200	53	9	16	27,583	<\$1.5M
2	2006	1300	66	0	20	10,000	<\$1.5M
3	2006	2300	53	7	10	49,695	\$2.5-3.5M
4	2003	400	71	-6	30	7,000	<\$1.5M
5	2003	1200	60	2	28	28,840	<\$1.5M
6	2003	2400	69	0	12	NR	<\$1.5M
7	2006	2100	68	2	10	35,000	\$1.5-2.5M
8	2003	600	68	0	8	14,000	<\$1.5M
The a	verage	indene	ndently	owned	retail nha	rmacy dispens	ed > 61 000

The average independently owned retail pharmacy dispensed > 61,000 prescriptions in 2007.

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Impact to Rural Communities with Closure

- Loss of access point for medications and services of a pharmacist
 - Prescription claims decrease^{1,2}
 - Travel distance increases³
 - Patient satisfaction decreases²
- Loss of a "Main Street" business
- · Impact on delivery of health services
 - Loss of pharmacist services
 - Utilization of health services in other communities

1. Xiao H, et. al. Am J Manag Care, 2000

- 2. Sunderland VB, et. al. Aust and N Zeal Hith Pol. 2006, 3:8
- 3. Xiao H, et. al. J Soc Admin Pharm, 2000

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			Twin Cilles		
ervice	Area	Charact	teristic		
State	Total Census Pop.	Service Area Pop.	Service Area: Community		
Arizona	75,431	236,967	3.14		
Arkansas	216,272	358,314	1.66		
lowa	239,453	617,298	2.58		
Maine	328,398	534,475	1.63		
Minnesota	216,132	1,067,533	4.94		
Mississippi	86,356	398,120	4.61		
Montana	64,142	190,770	2.97		
North Carolina	243,266	863,757	3.55		
West Virginia	99,434	379,755	3.82		
Wyoming	17,577	45,548	2.59		
Totals	1,370,461	4,692,537	3.42		

of Pharma	cy 🗸	ST.	Twin
vice A	rea C	hara	cteri
State	Pop 50-64	Pop>65	Sq. miles % of state
Arizona	39,021	31,896	35.8%
Arkansas	61,764	52,972	37.4%
Iowa	96,999	104,227	47.5%
Maine	93,543	76,493	73.7%
Minnesota	175,356	167,706	60.8%
Mississippi	60,830	49,779	27%
Montana	34,163	27,124	54.4%
North Carolina	146,533	108,936	24.3%
West Virginia	68,574	55,013	31.6%
Wyoming	8,275	6,435	23.3%
Totals	746.037	648.685	36.2%

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Solutions Implemented to Date

- Medication Access
 - Telepharmacy
 - Automated Dispensing Technologies
 - Mail Order
- Pharmacy Services Access
 - Innovative Practice Models
 - Establish Responsibility for Medication Use

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