

Getting to 2015: Key Issues Facing CAHs in an Evolving Healthcare System


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Agenda

- Are all types of rural hospitals under financial pressure?
- How does distance affect CAHs?
- Why does CAH financial performance differ by state?
- What can we conclude?



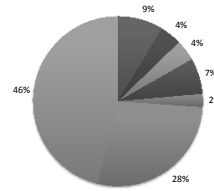
Are all types of rural hospitals under financial pressure?

- 2010 data presented are medians unless noted

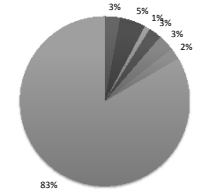


Hospitals versus Payments

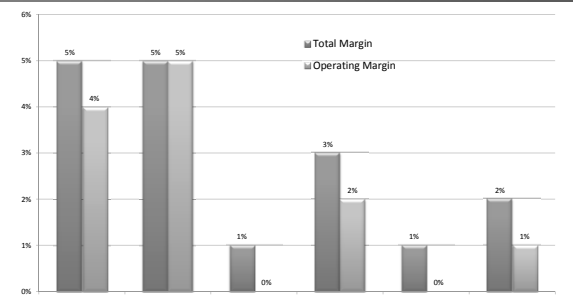
Percent of Hospitals




Percent of Medicare Payments



Profitability

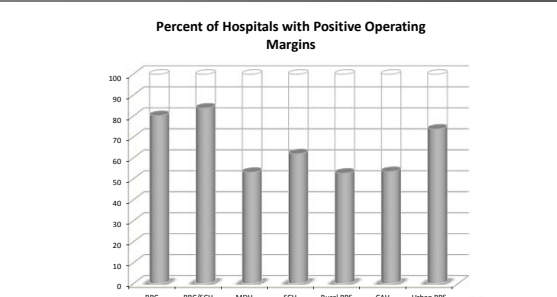



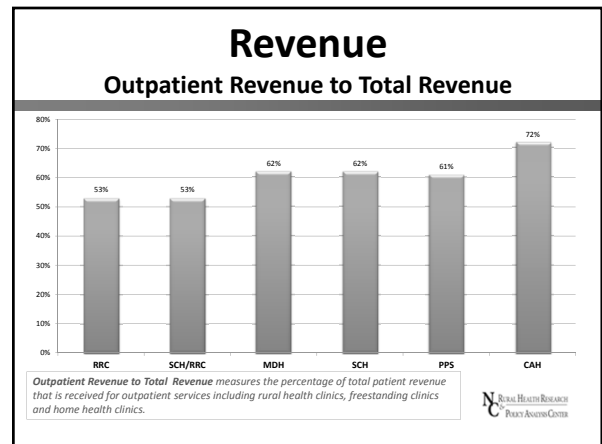
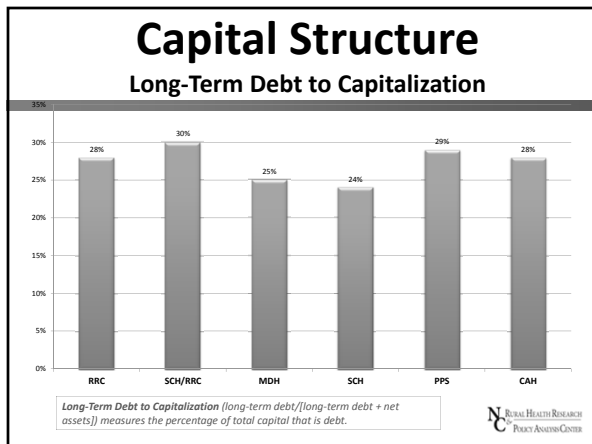
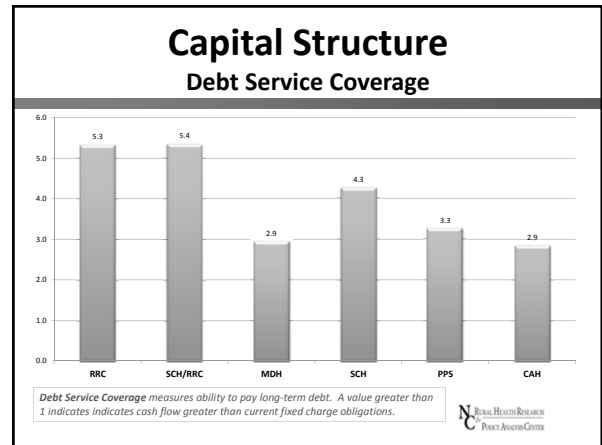
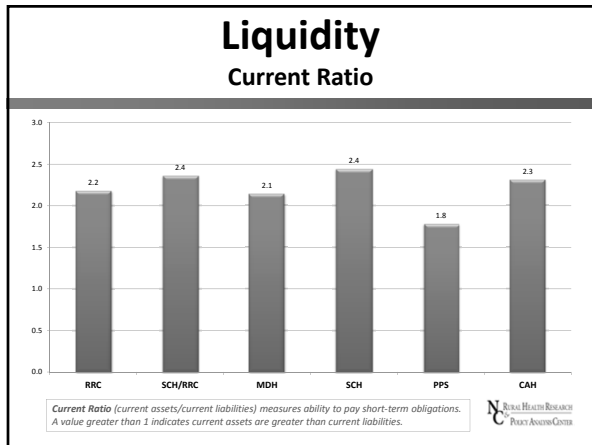
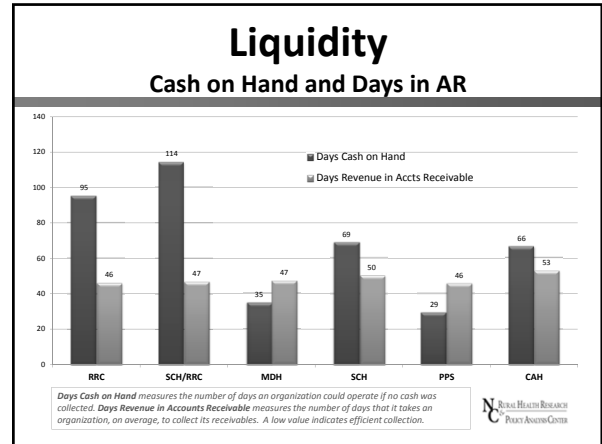
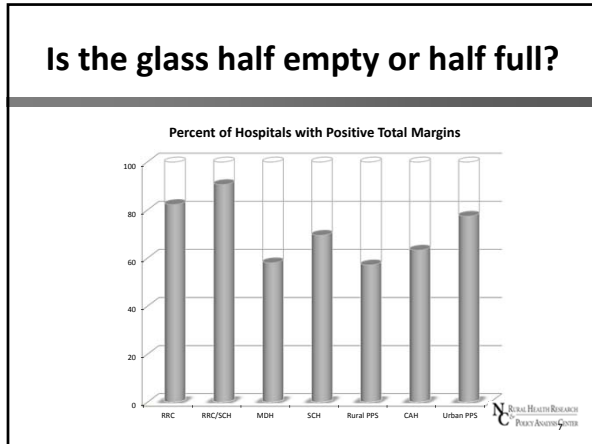
Total Margin (Net income/total revenue) measures the control of expenses relative to revenues. Operating Margin (Operating income/operating revenue) measures the control of operating expenses relative to operating revenues.

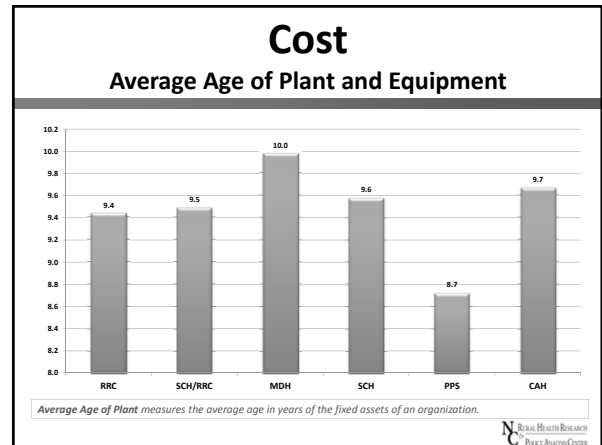
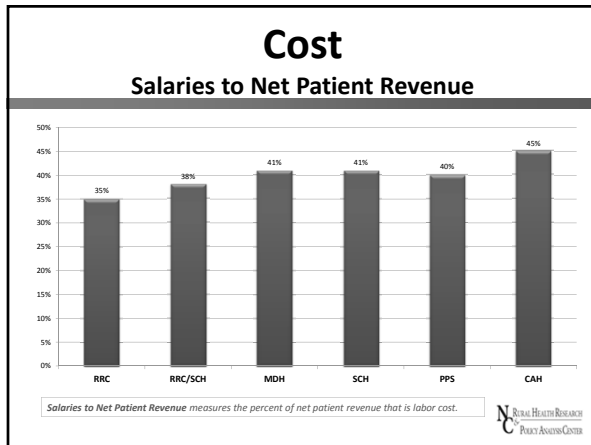
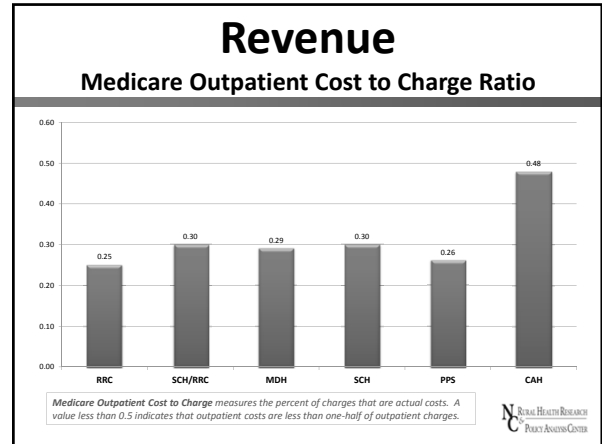
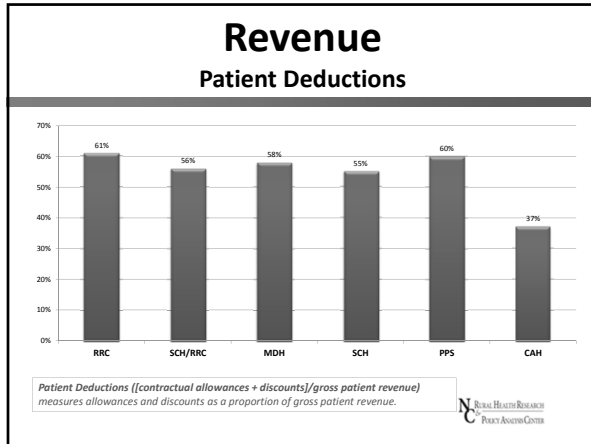


Is the glass half empty or half full?

Percent of Hospitals with Positive Operating Margins





Conclusions

- The primary goal of reimbursement programs is financial stability to ensure population access to care. CAHs predominate among hospitals eligible for rural reimbursement programs.
- Distribution of hospitals across the US varies considerably. CAHs are the most likely source of care in the most rural areas and in the middle of the country.

Conclusions – continued

- CAHs...
 - Are in counties with the lowest population density but the highest percent of population 65 years and older
 - Operate with the lowest patient volume
 - Provide swing bed care as a portion of all care more frequently than other hospitals
 - Provide surgical services in lower volume and predominantly outpatient surgery

Conclusions - continued

- Financially, CAHs...
 - Have a higher percentage of Medicare patients
 - Take longer to collect their receivables
 - Receive more of their revenue from outpatients
 - Have lower levels of allowances and discounts
 - Have a higher Medicare outpatient cost to charge ratio
 - Have higher salaries to net patient revenue



Conclusions - continued

- There is variation in financial condition among rural hospitals. All rural hospitals are not under financial pressure; some are under a lot of pressure (CAHs, MDHs and R-PPS hospitals) and some have done quite well (RRCs).

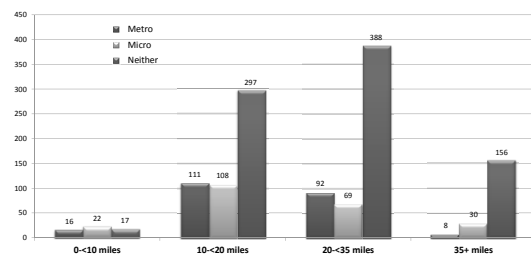


How does distance affect CAHs?

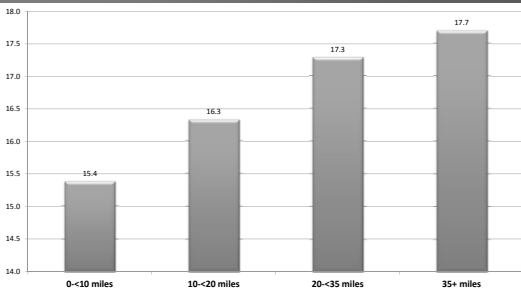
- Distance is only one eligibility criterion.
- It is frequently mentioned in policy debate.
- There is particular focus on CAHs that are near other hospitals – some in the same town.
- How do CAHs vary by distance?



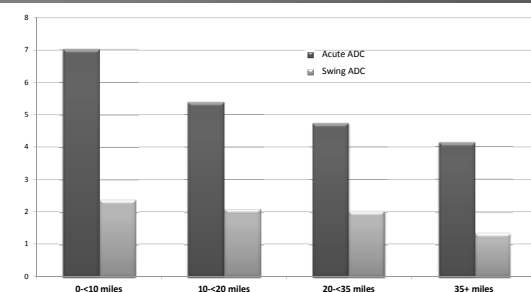
CAH Distance from Next Hospital

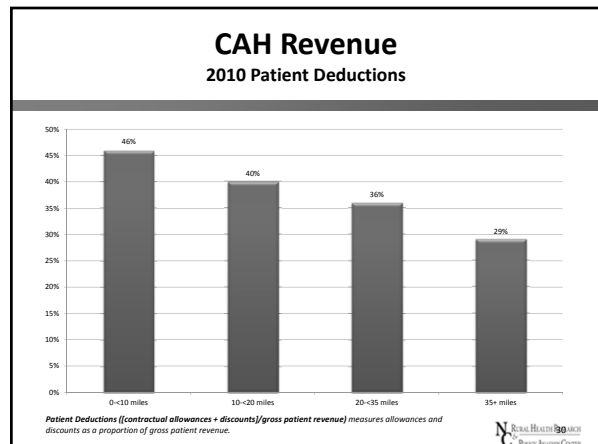
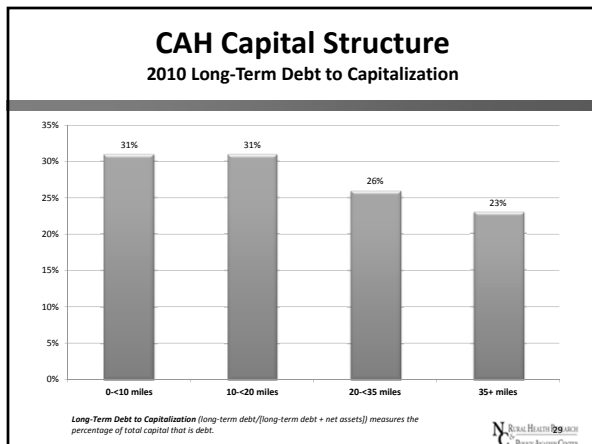
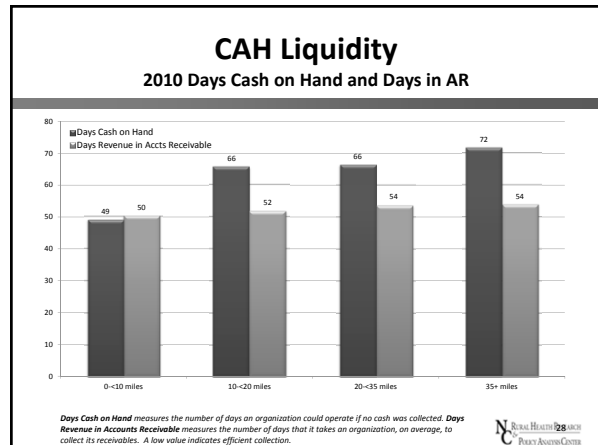
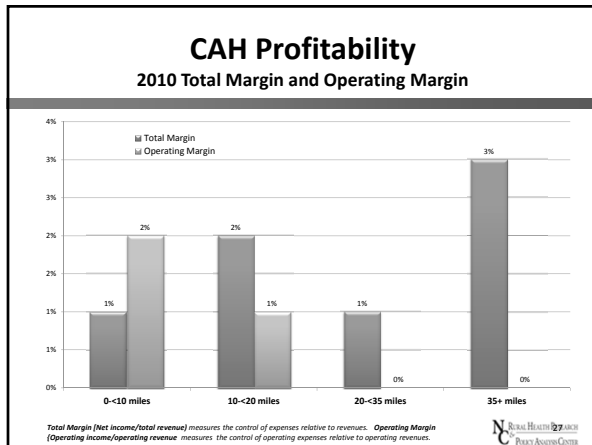
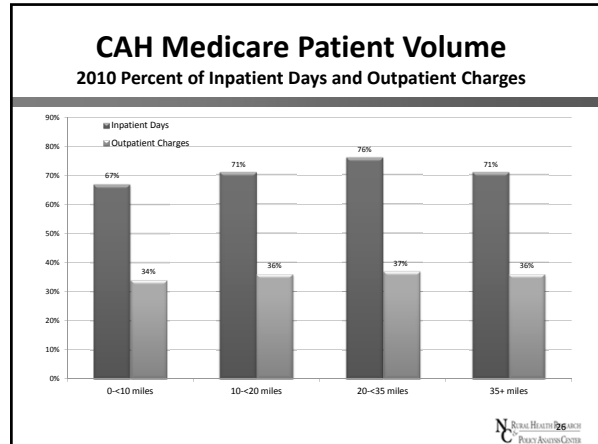
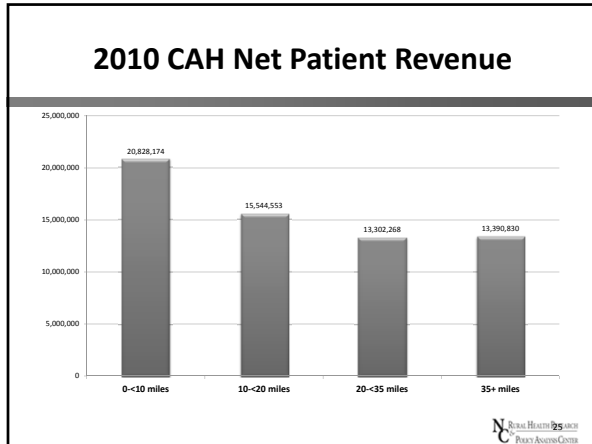


Percent of County Population 65 Years and Older






2010 CAH Average Daily Census





Why does CAH financial performance differ by state? NC, SC, US

NC HEALTH RESEARCH
PEDIATRIC ASSOCIATION

CAHs in 2010

Net patient revenue:	NC	SC	US
Less than \$7.5 million	10% (2)	0% (0)	20%
\$7.5-20 million	52% (11)	80% (4)	47%
Greater than \$20 million	38% (8)	20% (1)	33%
# of hospitals	21	5	1297

NC HEALTH RESEARCH
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CAHs in 2010

Management:	NC	SC	US
Government	19% (4)	80% (4)	43%
Not government	81% (17)	20% (1)	57%
# of hospitals	21	5	1297

NC HEALTH RESEARCH
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CAHs in 2010

Long term care:	NC	SC	US
Provides LTC	43% (9)	20% (1)	29%
Doesn't provide LTC	57% (12)	80% (4)	71%
# of hospitals	21	5	1297

NC HEALTH RESEARCH
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CAHs in 2010

Rural Health Clinic:	NC	SC	US
Operates a RHC	29% (6)	40% (2)	47%
Doesn't operate a RHC	71% (15)	60% (3)	53%
# of hospitals	21	5	1297

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CAHs in 2010 Summary

- Compared to the US, a higher percentage of CAHs in North Carolina:
 - Have greater net patient revenue
 - Are not government managed
 - Provide LTC
 - Do not operate a RHC
- Compared to the US, a higher percentage of CAHs in South Carolina:
 - Have greater net patient revenue
 - Are government managed
 - Do not provide LTC
 - Do not operate a RHC

• All of these affect financial performance and there are substantial variations among states

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CAHs in 2010

	NC	SC	US
Percent of hospitals with a negative total margin	62%	60%	36%
Percent of hospitals with a negative operating margin	57%	60%	46%

*Red=worse performance than U.S. median



CAHs in 2010

Indicator:	NC median	SC median	US median
Profitability:			
Total margin	-2%	-6%	2%
Cash flow margin	5%	-5%	6%
Return on equity	-0.4%	-28%	5%
Operating margin	-2%	-11%	1%
Liquidity:			
Current ratio	1.5	1.2	2.3
Days cash on hand	42	14	68
Days revenue in accounts receivable	57	71	53

*Red=worse performance than U.S. median



CAHs in 2010

Indicator:	NC median	SC median	US median
Capital structure:			
Equity financing	53%	43%	58%
Debt service coverage	2.43	-0.17	2.97
Long-term debt to capitalization	30%	34%	28%
Revenue:			
Outpatient revenue to total revenue	69%	74%	72%
Patient deductions	54%	41%	37%
Medicare inpatient payer mix	72%	62%	72%
Medicare outpatient payer mix	39%	29%	36%
Medicare outpatient cost to charge ratio	0.39	0.43	0.48
Medicare revenue per day	\$1,678	\$1,601	\$1,911



CAHs in 2010

Indicator:	NC median	SC median	US median
Cost:			
Salaries to net patient revenue	44%	40%	45%
Average age of plant	7.9 years	16 years	9.8 years
FTEs per adjusted occupied bed	6.0	5.0	5.9
Average daily census swing/SNF beds	1.5	3.0	1.6
Average daily census acute beds	7.1	5.1	3.9



CAHs in 2010 Summary

- **Compared to the US, CAHs in NC:**
 - Are less profitable
 - Are less liquid
 - Have more debt and are less able to service debt
 - Have a lower proportion of outpatient revenue and Medicare revenue per day
 - Have a higher proportion of patient deductions
 - Have same Medicare payer mix but lower outpatient cost to charge
 - Have much younger age of plant
 - Have lower ADC swing but higher ADC acute beds




CAHs in 2010 Summary

- **Compared to the US, CAHs in SC:**
 - Are less profitable
 - Are less liquid
 - Have more debt and are less able to service debt
 - Have higher proportion of outpatient revenue, patient deductions and lower Medicare revenue per day
 - Have lower Medicare payer mix and outpatient cost to charge
 - Have much older age of plant
 - Have higher ADC swing and ADC acute beds




NC CAHs are less profitable than average US CAH. Why?

- Potential reasons from the data:
 - More CAHs with RHC and LTC
 - Lower proportion of outpatient revenue
 - Higher Medicare payer mix
 - Lower Blue Cross payment rates
 - Higher outpatient cost to charge
 - Older age of plant
 - Higher ADC acute beds
 - Other reasons?




NC CAHs are less profitable than average US CAH. Why?

- Other potential reasons:
 - Net revenue is relatively lower (less patient volume, lower rates, worse payer mix, Medicaid)
 - Costs are relatively higher (wage rates, bad debt, charity care, efficiency)
 - Non-operating income is relatively lower (investment income, state or county support, charitable revenue?)
 - System / network affiliation




What can we conclude?

- Is the glass half empty or half full?
CAHs, MDHs, and rural PPS are under a lot of financial pressure compared to other hospitals.
- What is the effect of eligibility change on CAHs and SCHs?
CAHs <10m=few SCHs → CAHs <35m=half of SCHs
- How does distance affect CAHs?
Older population, lower volume, less revenue, lower operating profit, less debt, lower patient deductions



What can we conclude?

- Why does CAH financial performance differ by state?
Variation in commercial payer rates, Medicaid LTC reimbursement, RHC provision, system affiliation, physician supply...
- Are low volume hospitals sustainable?
Low volume hospitals in small markets are at greatest risk of financial distress



Distance matters but other factors matter, too

Cost


- Technology distribution
- Service volume
- Staff size and mix

Quality

- Volumes for high quality
- Clinical expertise

Access

- Safety net provider
- Physician distribution
- Service mix



Distance matters but other factors matter, too

Geography


- Terrain
- Weather
- Transportation

Other providers

- Primary care
- Home health
- Hospice care

Needs

- Age/sex, minorities, immigrants
- Morbidity and mortality
- Environment



Contact information

- If you need a username and password, please email the CAH Financial Indicators Report Team email at:
CAH.finance@schr.unc.edu
- Flex Monitoring Team website
<http://www.flexmonitoring.org>

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Appendix – How did CAHs in NC and SC compare to the US in 2010?

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