Flex Monitoring Team Data Summary Report No. 26:

CAH Financial Indicators Report: Summary of Indicator Medians by State

March 2018



The Flex Monitoring Team is a consortium of the Rural Health Research Centers located at the Universities of Minnesota, North Carolina at Chapel Hill, and Southern Maine. Under contract with the federal Office of Rural Health Policy (PHS Grant No. U27RH01080), the Flex Monitoring Team is cooperatively conducting a performance monitoring project for the Medicare Rural Hospital Flexibility Program (Flex Program). The monitoring project is assessing the impact of the Flex Program on rural hospitals and communities and the role of states in achieving overall program objectives, including improving access to and the quality of health care services; improving the financial performance of Critical Access Hospitals; and engaging rural communities in health care system development.

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The Medicare Rural Hospital Flexibility Program

The Medicare Rural Hospital Flexibility Program (Flex Program), created by Congress in 1997, allows small hospitals to be licensed as Critical Access Hospitals (CAHs) and offers grants to States to help implement initiatives to strengthen the rural health care infrastructure. To participate in the Flex Program, States are required to develop a rural health care plan that provides for the creation of one or more rural health networks, promotes regionalization of rural health services in the State, and improves the quality of and access to hospital and other health services for rural residents of the State. Consistent with their rural health care plans, states may designate eligible rural hospitals as CAHs.

CAHs must be located in a rural area or an area treated as rural; be more than 35 miles (or 15 miles in areas with mountainous terrain or only secondary roads available) from another hospital, or be certified before January 1, 2006 by the State as being a necessary provider of heath care services. CAHs are required to make available 24-hour emergency care services that a State determines are necessary. CAHs may have a maximum of 25 acute care and swing beds, and must maintain an annual average length of stay of 96 hours or less for their acute care patients. CAHs are reimbursed by Medicare on a cost basis (i.e., for the reasonable costs of providing inpatient, outpatient, and swing bed services).

The legislative authority for the Flex Program and cost-based reimbursement for CAHs are described in the Social Security Act, Title XVIII, Sections 1814 and 1820, available at http://www.ssa.gov/OP_Home/ssact/title18/1800.htm.

Introduction

All hospitals, regardless of size and organizational structure, benefit from comparative data on financial condition and performance. The unique reimbursement and organizational structure of critical access hospitals (CAHs) make it important to have financial indicators that capture their own circumstances for performance assessment. CAHs differ from urban and other rural hospitals that are paid under the Medicare Prospective Payment System (PPS) in important aspects that affect the most appropriate way to measure financial condition. Unlike PPS hospitals, CAHs receive cost-based reimbursement for inpatient and outpatient care, and the incentives, financial management, and utilization practices under these two payment methods differ substantially. There are also organizational differences between CAHs have relaxed staffing rules under Medicare, and they have limits on bed-size and average length of stay (and low volume hospitals have been found to face substantially more annual variation in demand for services, making financial planning difficult).

This Briefing Paper presents state and national median values of the twenty-two financial indicators included in the CAH Financial Indicators Report, a report that is distributed to each CAH administrator annually. As part of ongoing work of the Flex Monitoring Team, these indicators were specifically designed to capture the financial performance of CAHs. In order to identify the indicators that were most relevant to the financial performance of CAHs, a Technical Advisory Group (TAG) of four individuals knowledgeable in CAH financial and operational issues, data, and reporting practices was selected to provide advice to a research team from the University of North Carolina at Chapel Hill. The TAG evaluated frequently used indicators of hospital financial performance for their applicability to CAHs.¹ Their evaluation relied on three criteria: feasibility (whether the indicator can be accurately calculated from Medicare cost report data²), importance (whether the indicator is an important measure of the financial management of CAHs), and usefulness (whether the indicator is useful to CAH administrators). The TAG retained 13 of the most frequently used indicators from the review. In addition, 7 other financial ratios were added that are not commonly used in the financial assessment of larger hospitals, but that group members believed capture important attributes of CAH financial management. Two more have been added since.

The resulting 22 indicators fall under six domains: profitability, liquidity, capital structure, revenue, cost, and utilization. In the pages that follow, a brief description of the domains and the indicators within them is provided, along with a table that allows comparison across states. The Appendix to this report includes the median values for each indicator by state, enabling the values for all indicators for one state to be viewed on a single page. More detailed information about the definition and interpretation of the indicators can be found in the document "Briefing Paper No. 7. Financial Indicators for Critical Access Hospitals May 2005" which can be downloaded from the Flex Monitoring Team website:

http://www.flexmonitoring.org/publications/bp7/

¹ The list of potential indicators resulted from a review of financial ratios in articles, peer-reviewed journals, and other industry and scientific publications.

² Medicare cost reports were selected as the data source for calculating indicator values because they are the only national data that use standard definitions, have sufficient detail, and will eventually include data for all CAHs.

The following table includes, by state, the total number of Critical Access Hospitals with a Medicare Cost Report for at least 360 days in period, the minimum required to be included in the calculation of medians. The number of CAHs for a particular indicator may be less than the number in the table if there were unusable data for one or more CAHs in the state. Furthermore, this number may vary from other counts of CAHs by states due to differences in who is included in this count; for example, only CAHs with a cost report period of at least 360 days are included, which means state counts not excluding short fiscal years would yield larger numbers of CAHs in the state.

State	2016 Number of CAHs	State	2016 Number of CAHs
AK	13	NC	21
AL	4	ND	36
AR	29	NE	64
AZ	14	NH	12
CA	33	NM	9
CO	29	NV	11
FL	12	NY	18
GA	29	OH	33
HI	9	OK	34
IA	82	OR	24
ID	27	PA	13
IL	51	SC	4
IN	35	SD	38
KS	84	TN	13
KY	25	ΤX	80
LA	27	UT	11
MA	3	VA	6
ME	16	VT	8
MI	36	WA	39
MN	77	WI	57
MO	36	WV	20
MS	31	WY	16
MT	48		

*Median values calculated ONLY for states with post-conversion Medicare Cost Report data for at least 2 critical access hospitals in 2016

Profitability Indicators

Profitability is the net result of a large number of reimbursement and managerial policies and decisions and it reflects the combined effects of liquidity, asset management, and debt on operating results. *Profitability indicators* measure the ability to generate the financial return required to replace assets, meet increases in service demands, and compensate investors (in the case of a for-profit organization).

Total Margin measures the control of expenses relative to revenues.

Total margin formula:	Net income
-	Total revenue

Cash Flow Margin measures the ability to generate cash flow from providing patient care services.

Cash flow margin formula:

Net income – (Contributions, investments, and appropriations + <u>Depreciation expense + Interest expense</u>) Net patient revenue + Other income – Contributions, investments, and appropriations

Return on Equity measures the net income generated by equity investment (net assets).

Return on equity formula:	Net income
	Net assets

Operating margin measures the control of operating expenses relative to operating revenues.

Operating margin formula:	Net operating income		
	Operating revenue		

State	Total Margin	Cash Flow Margin	Return on Equity	Operating Margin
	%	%	%	%
US	2.74	6.99	5.32	0.93
AK	0.27	1.51	2.10	-3.05
AL	0.37	-0.38	3.75	-2.80
AR	-2.33	3.39	0.77	-2.89
AZ	5.55	6.37	9.71	4.23
CA	7.12	7.85	14.97	2.28
СО	6.25	8.17	7.85	2.05
FL	1.56	9.91	8.69	1.56
GA	-1.88	0.92	5.01	-2.51
HI	-3.30	-4.94	-8.85	-11.67
IA	3.98	9.69	6.33	1.91
ID	0.78	4.13	0.86	-1.58
IL	2.55	8.22	4.55	3.38
IN	5.45	10.71	8.02	8.74
KS	-1.28	-2.52	-3.99	-6.20
KY	0.52	8.99	1.50	0.61
LA	4.14	5.04	6.74	-1.30
MA	7.27	6.01	6.43	1.61
ME	-0.29	3.89	0.59	0.09
MI	2.04	7.45	6.48	3.25
MN	4.16	9.99	6.31	3.36
MO	0.58	5.44	4.57	-2.74
MS	-1.69	1.62	-3.60	-4.12
MT	0.39	-1.10	2.55	-7.02
NC	2.03	4.95	4.04	-1.25
ND	2.98	6.89	4.46	1.45
NE	3.65	11.43	4.75	2.75
NH	0.18	5.16	0.47	-0.29
NM	4.25	4.95	4.32	1.62
NV	7.49	8.74	8.58	4.56
NY	6.29	3.59	11.27	-2.71
OH	5.05	10.46	7.96	5.05
OK	-1.62	2.85	-0.41	-5.37
OR	4.17	7.00	7.10	2.85
PA	-1.34	5.63	-4.23	-2.20
SC	-2.44	-0.03	-5.69	-1.88
SD	5.46	10.08	6.58	6.15
TN	4.15	9.67	9.00	3.91
TX	5.73	8.90	11.19	5.20
UT	3.78	8.36	5.98	3.10
VA	-2.39	-2.14	1.79	-9.81
VT	2.25	5.77	6.50	0.61
WA	2.02	5.91	4.08	0.76
WI	6.78	11.55	7.31	7.75
WV	-0.47	4.20	2.77	-1.04
	0.17	1.20	5.24	1.01

Liquidity Indicators

A liquid asset is one that trades in an active market and hence can be quickly converted to cash at the going market price. An analysis of liquidity asks the question "will the organization be able to pay off its debts as they come due over the next year or so?" *Liquidity indicators* measure the ability to meet cash obligations in a timely manner.

Current Ratio measures the number of times short-term obligations can be paid using short-term assets.

Current ratio formula: <u>Current assets</u> Current liabilities

Days Cash on Hand measures the number of days an organization could operate if no cash was collected or received.

Days cash on hand formula:

<u>Cash + Marketable securities + Unrestricted</u> <u>investments</u> (Total expenses – Depreciation) / Days in period

Days in Net Accounts Receivable measures the number of days that it takes an organization to collect its receivables.

Days in net accounts receivable formula:

<u>Net patient accounts receivable</u> (Net patient service revenue) / Days in period

Days in Gross Accounts Receivable,

compared to days in net, measures revenue cycle performance.

Days in gross accounts receivable formula:

<u>Gross Patient Accounts Receivable</u> (Gross patient revenue) / Days in Period

	Current	Days Cash on	Days in Net Accounts	Days in Gross Accounts
State	Ratio	Hand	Receivable	Receivable
	Times	Days	Days	Days
US	2.48	77.72	51.34	48.91
AK	2.96	90.88	65.55	61.18
AL	2.26	1.26	45.14	35.56
AR	1.23	15.39	49.93	35.64
AZ	4.22	55.39	59.59	49.29
CA	2.48	58.04	49.63	53.29
СО	3.10	152.23	52.60	54.02
FL	1.28	10.90	52.36	23.58
GA	2.08	28.76	45.09	58.95
HI	1.62	69.07	44.11	61.53
IA	2.74	147.71	52.79	38.98
ID	4.39	102.29	55.95	50.77
IL	2.60	117.81	61.64	48.14
IN	2.67	57.67	47.02	33.37
KS	2.06	46.57	54.02	52.32
KY	1.47	24.45	53.88	45.43
LA	3.72	79.88	51.02	52.54
MA	1.18	178.30	44.27	55.38
ME	1.69	74.20	48.27	42.50
MI	1.91	46.75	42.87	41.93
MN	2.98	120.12	51.01	34.24
MO	2.04	58.37	48.37	44.21
MS	1.03	18.08	49.83	67.32
MT	2.91	81.20	58.29	68.48
NC	1.93	35.43	52.90	47.28
ND	2.33	52.27	53.20	46.57
NE	3.39	161.35	51.21	55.69
NH	1.16	165.43	44.54	26.54
NM	1.90	121.09	38.52	42.85
NV	5.52	96.76	57.39	52.85
NY	1.72	59.47	39.57	31.51
OH	2.42	38.64	52.42	35.58
OK	1.54	12.70	56.04	54.34
OR	3.24	74.41	49.74	52.48
PA	1.58	36.15	42.74	46.48
SC	1.37	41.53	80.82	91.25
SD	2.69	57.95	52.74	44.12
TN	2.67	7.38	50.45	34.36
TX	2.25	69.81	53.07	78.06
UT	5.99	177.99	54.75	57.02
VA	3.30	62.80	49.64	54.05
VT	1.66	134.67	43.11	34.98
WA	2.84	89.48	44.30	53.69
WI	2.92	159.04	49.19	51.39
WV	1.38	42.72	44.24	41.97
WY	3.54	89.90	54.63	57.01

Capital Structure Indicators

The extent to which an organization uses debt financing, or financial leverage, has three important implications. First, debt allows notfor-profit organizations to provide more services than it could if it were financed only by contributed capital and retained earnings. Second, creditors look to the equity to provide a margin of safety, so the higher the proportion of total capital provided by the owners, the less the risk faced by creditors. Third, if the organization earns more on investments financed with borrowed funds than it pays in interest, the return on owner's capital is magnified, or leveraged up. *Capital structure indicators* measure the extent of debt and equity financing.

Equity Financing measures the percentage of total assets financed by equity.

Equity financing formula:	Net assets
	Total assets

Debt Service Coverage measures the ability to pay obligations related to long-term debt, principal payments and interest expense.

Debt service coverage formula:

<u>Net income + Depreciation exp. + Interest exp.</u> Current portion of long-term debt * (365 / Days in period) + Interest expense

Long-Term Debt to Capitalization measures the percentage of total capital that is debt.

Long-term debt to capitalization formula:

 $\frac{\text{Long-term debt}}{\text{Long-term debt} + \text{Net assets}}$

	Equity	Debt Service	Long-term Debt
State	Financing	Coverage	to Capitalization
	%	Times	%
US	59.78	3.35	27.20
AK	81.48	6.60	1.00
AL	70.89	8.91	2.47
AR	52.48	3.72	18.98
AZ	60.79	6.05	18.48
CA	56.44	6.15	27.06
СО	59.26	4.70	35.25
FL	29.14	2.27	52.92
GA	57.12	3.68	32.46
HI	72.76	0.11	8.98
IA	42.82	3.19	52.03
ID	61.55	3.07	27.19
IL	59.95	2.26	32.97
IN	56.34	6.61	29.86
KS	52.51	2.59	33.57
KY	41.46	1.40	34.93
LA	67.12	7.15	21.37
MA	72.05	7.95	6.53
ME	61.71	3.29	28.92
MI	65.25	1.79	17.56
MN	52.03	3.43	39.43
МО	62.92	1.82	14.26
MS	53.06	1.49	24.59
MT	60.46	2.87	25.83
NC	64.52	1.87	23.45
ND	58.45	2.84	25.48
NE	64.86	4.01	26.19
NH	51.22	2.71	37.06
NM	67.15	7.17	0.79
NV	68.54	5.87	24.89
NY	58.33	6.70	26.93
OH	75.37	4.72	11.69
OK	61.23	0.73	7.39
OR	57.91	4.32	32.52
PA	35.7	1.13	55.61
SC	38.09	1.02	47.31
SD	62.93	3.54	18.98
TN	61.31	1.53	2.34
TX	66.34	2.67	10.83
UT	84.95	2.13	5.38
VA	45.22	2.04	46.64
VT	58.84	7.05	31.83
WA	52.45	4.29	37.21
WI	68.82	4.76	21.42
WV	25.77	1.27	58.01
WY	68.32	4.72	18.44

Revenue Indicators

Most organizations receive revenues from many sources and relative profitability often varies among sources. A substantial proportion of revenue from commercial and private payers reduces reliance on the fixed margins of Medicare and Medicaid. *Revenue indicators* measure the amount and mix of different sources of revenue.

Outpatient Revenues to Total Revenues measures the percentage of total revenues that are for outpatient revenues (including, for example, Rural Health Clinics, free-standing clinics, and home health clinics).

Outpatient revenues to total revenues formula:

Total outpatient revenue Total patient revenue

Patient Deductions measures the allowances and discounts per dollar of total patient revenues.

Patient deductions formula: <u>Contractual allowances and discounts</u> Gross total patient revenue

Medicare Inpatient Payer Mix measures the percentage of total inpatient days that are provided to Medicare patients.

Medicare inpatient payer mix formula:

<u>Medicare inpatient days</u> Total inpatient days – Nursery bed days – NF Swing bed days

Hospital Medicare Outpatient Payer Mix measures the percentage of total outpatient charges that are for Medicare patients.

Medicare outpatient payer mix formula:

Outpatient Medicare charges Total outpatient charges

Hospital Medicare Outpatient Cost to Charge measures outpatient Medicare costs per dollar of outpatient Medicare charges.

Medicare outpatient cost to charge formula:

Outpatient Medicare costs Outpatient Medicare charges

Medicare Acute Inpatient Cost per Day measures the measures the average daily cost of a Medicare acute inpatient.

Medicare revenue per day formula:	Medicare acute inpatient cost
	Medicare inpatient days (excl HMO)

	Outpatient		Medicare	Medicare	Medicare	
State	Revenues to	Patient		Outpatient		Medicare
State						Revenue per Day
T I O	%	%	%	%	%	\$
US	77.74	43.46	72.70	37.10	0.45	2592
AK	60.65	16.75	56.42	24.75	0.82	4769
AL	73.12	63.52	87.31	38.71	0.34	1418
AR	74.35	52.71	73.80	37.74	0.42	1846
AZ	83.86	59.63	51.60	24.02	0.37	2592
CA	69.84	53.91	64.22	36.83	0.32	3562
СО	80.16	36.88	68.95	37.86	0.47	3791
FL	77.65	63.05	67.94	28.33	0.26	1272
GA	71.09	57.21	60.87	24.84	0.33	1606
HI	50.45	29.48	43.86	13.74	0.63	3653
IA	82.13	39.00	76.08	40.75	0.48	2682
ID	75.36	34.72	64.92	33.70	0.55	3282
IL	84.17	54.72	73.60	38.33	0.33	2519
IN	84.24	61.84	65.66	32.37	0.28	2598
KS	72.11	35.35	89.62	47.97	0.55	2230
KY	79.65	62.98	69.83	30.23	0.28	1613
LA	75.82	50.47	70.24	31.53	0.42	2326
MA	84.59	49.14	77.92	36.33	0.40	2699
ME	78.37	41.70	69.48	38.51	0.44	2394
MI	85.56	46.48	61.52	34.20	0.40	2723
MN	73.91	36.17	70.47	39.85	0.50	3451
MO	82.33	54.96	74.57	39.86	0.36	2188
MS	66.71	47.18	90.82	40.99	0.40	1653
MT	69.54	26.60	78.45	37.18	0.61	2699
NC	80.62	63.75	61.38	38.13	0.30	2104
ND	68.28	22.04	89.21	44.75	0.65	2251
NE	77.35	22.94	82.62	49.02	0.57	3382
NH	78.71	48.09	79.15	39.54	0.42	3008
NM	74.96	55.76	53.25	31.53	0.38	3136
NV	78.12	39.53	64.49	34.27	0.38	3044
NY	76.21	51.93	64.37	24.97	0.42	2336
ОН	81.78	60.23	59.75	28.93	0.32	2756
OK	74.60	49.42	84.79	39.36	0.43	2156
OR	79.13	39.25	57.57	39.15	0.48	3840
PA	76.73	54.22	67.97	29.25	0.33	1910
SC	83.15	42.98	57.42	23.19	0.44	2244
SD	72.80	34.50	89.14	47.52	0.47	2328
TN	85.66	67.12	64.16	24.07	0.25	2001
TX	81.75	49.37	76.21	32.38	0.46	2642
UT	76.88	32.63	61.71	30.48	0.50	3578
VA	74.71	62.58	70.27	36.85	0.33	2287
VT	71.39	49.45	71.72	36.77	0.37	2531
WA	75.26	44.04	76.68	36.90	0.48	3871
WI	80.23	43.83	62.01	33.16	0.44	3177
WV	82.67	47.41	68.45	30.91	0.42	1953
WY	67.47	33.73	70.89	40.53	0.57	3427
** 1	07.47	55.15	/0.07	40.33	0.37	JH21

Cost Indicators

Most organizations incur labor, supply, and capital costs. Cost management reduces the likelihood of financial problems due to low productivity, poor inventory management, and excessive asset acquisition costs. *Cost indicators* measure the amount and mix of different types of costs.

Salaries to Net Patient Revenue measures the percentage of patient revenue that are labor costs.

Salaries to patient revenue formula:

Salary Expense Net Patient Revenue

Average Age of Plant measures the average age in years of the fixed assets of an organization.

Average age of plant formula:

Accumulated depreciation Depreciation expense * (365 / Days in period)

FTEs per Adjusted Occupied Bed

measures the number of full-time employees per each occupied bed.

FTEs per adjusted occupied bed formula:

<u>Number of FTEs</u> Adjusted occupied beds¹

¹. (Inpatient days – NF Swing days – Nursery days) * (Total patient revenue / (Total inpatient revenue – Inpatient NF revenue – Other LTC Revenue)) / Days in period

Average Salary per FTE measures the price and mix of labor.

Salary Expense Number of FTEs

StatePatient RevenueAge of PlantOccupied BedF%YearsFTEsDoUS44.9010.485.6156AK45.9518.1115.0974AL40.2617.893.0445AR46.1811.114.2246AZ42.7210.305.1361CA42.3211.719.2471CO44.909.787.6562FL42.339.453.4356GA42.9610.915.6147HI50.6210.388.3264IA42.5010.285.3754ID47.619.449.7958IL39.759.934.5154IN38.459.854.8058KS54.1712.895.3750KY41.5812.324.2551LA46.9710.654.6351MA47.7310.333.3492ME46.5016.105.9668MI41.8711.355.8060MN42.5110.868.0562MO44.6310.994.3856MS42.965.083.9246MT51.3512.238.2252NC41.8214.334.5454ND47.0111.145.6652 <th>ry per TE ollars ,197 ,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946</th>	ry per TE ollars ,197 ,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
State Revenue Plant Bed % Years FTEs Dot US 44.90 10.48 5.61 56 AK 45.95 18.11 15.09 74 AL 40.26 17.89 3.04 45 AR 46.18 11.11 4.22 46 AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17	0llars ,197 ,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
% Years FTEs Dot US 44.90 10.48 5.61 56 AK 45.95 18.11 15.09 74 AL 40.26 17.89 3.04 45 AR 46.18 11.11 4.22 46 AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY <t< th=""><th>,197 ,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946</th></t<>	,197 ,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
No 1 cars 1 1 1 5 US 44.90 10.48 5.61 56 AK 45.95 18.11 15.09 74 AL 40.26 17.89 3.04 45 AR 46.18 11.11 4.22 46 AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58	,197 ,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
AK 45.95 18.11 15.09 74 AL 40.26 17.89 3.04 45 AR 46.18 11.11 4.22 46 AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51	,941 ,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
AL 40.26 17.89 3.04 45 AR 46.18 11.11 4.22 46 AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92	,893 ,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
AR 46.18 11.11 4.22 46 AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68	,406 ,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
AZ 42.72 10.30 5.13 61 CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60	,269 ,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
CA 42.32 11.71 9.24 71 CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62	,258 ,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
CO 44.90 9.78 7.65 62 FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56	,867 ,660 ,239 ,398 ,573 ,502 ,079 ,946
FL 42.33 9.45 3.43 56 GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46	,660 ,239 ,398 ,573 ,502 ,079 ,946
GA 42.96 10.91 5.61 47 HI 50.62 10.38 8.32 64 IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52	,239 ,398 ,573 ,502 ,079 ,946
HI50.6210.388.3264IA42.5010.285.3754ID47.619.449.7958IL39.759.934.5154IN38.459.854.8058KS54.1712.895.3750KY41.5812.324.2551LA46.9710.654.6351MA47.7310.333.3492ME46.5016.105.9668MI41.8711.355.8060MN42.5110.868.0562MO44.6310.994.3856MS42.965.083.9246MT51.3512.238.2252NC41.8214.334.5454ND47.0111.145.6652	,398 ,573 ,502 ,079 ,946
IA 42.50 10.28 5.37 54 ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,573 ,502 ,079 ,946
ID 47.61 9.44 9.79 58 IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,502 ,079 ,946
IL 39.75 9.93 4.51 54 IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,079 ,946
IN 38.45 9.85 4.80 58 KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,946
KS 54.17 12.89 5.37 50 KY 41.58 12.32 4.25 51 LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	
KY41.5812.324.2551LA46.9710.654.6351MA47.7310.333.3492ME46.5016.105.9668MI41.8711.355.8060MN42.5110.868.0562MO44.6310.994.3856MS42.965.083.9246MT51.3512.238.2252NC41.8214.334.5454ND47.0111.145.6652	010
LA 46.97 10.65 4.63 51 MA 47.73 10.33 3.34 92 ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,210
LA46.9710.654.6351MA47.7310.333.3492ME46.5016.105.9668MI41.8711.355.8060MN42.5110.868.0562MO44.6310.994.3856MS42.965.083.9246MT51.3512.238.2252NC41.8214.334.5454ND47.0111.145.6652	,452
ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,284
ME 46.50 16.10 5.96 68 MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,065
MI 41.87 11.35 5.80 60 MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,245
MN 42.51 10.86 8.05 62 MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,809
MO 44.63 10.99 4.38 56 MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,835
MS 42.96 5.08 3.92 46 MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,720
MT 51.35 12.23 8.22 52 NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,772
NC 41.82 14.33 4.54 54 ND 47.01 11.14 5.66 52	,480
ND 47.01 11.14 5.66 52	,118
	,756
NE 44.93 8.55 7.02 55	,288
	,109
	,473
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	,934
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	,091 ,020 ,903
	,091 ,020 ,903 ,129
	,091 ,020 ,903 ,129 ,219
WY 55.45 10.04 11.09 63	,091 ,020 ,903 ,129

icators	State	Swing-SNF Beds	Acute Beds
		Days	Days
are incurred on all assets, whether used or	US	1.53	2.70
ent activity generates higher revenues and	AK	0.72	1.57
sts by spreading fixed costs over more	AL	4.93	1.52
ation indicators measure the extent to	AR	1.36	4.12
ets (beds) are fully occupied.	AZ	0.75	2.54
	CA	0.83	4.19
Census Swing-SNF Beds measures the	CO	1.16	2.16
r of swing-SNF beds occupied per day.	FL	0.57	4.41
	GA	3.47	2.28
aily census swing-SNF beds formula:	HI	1.19	0.05
	IA	1.92	2.57
patient swing bed SNF days	ID	0.99	2.64
Days in period	IL	1.56	3.73
5 1	IN	0.89	5.46
Census Acute Beds measures the average	KS	2.43	1.47
e care beds occupied per day.	KY	2.43	4.62
	LA	1.86	2.45
e daily census acute beds formula:	MA	5.14	7.28
any consus doute oods formula.	ME	2.75	7.20
Inpatient acute care bed days	MI	0.44	3.59
Days in period	MN	1.24	2.38
Days in period	MO	2.99	3.68
	MS	6.38	2.68
	MT	1.18	1.07
	NC	1.01	5.39
	ND	1.24	1.09
	NE	1.32	1.66
	NH	2.80	6.57
	NM	0.59	4.10
	NV	0.50	3.04
	NY	3.27	2.73
	OH	1.29	5.51
	OK	2.16	1.48
	OR	1.06	5.30
	PA	2.59	6.28
	SC	1.91	1.64
	SD	1.57	1.22
	TN	2.07	2.19
	TX	1.39	1.63
	UT	1.10	2.26
	VA	2.38	6.27
	VT	1.76	12.16
	WA	0.97	2.66
	WI	0.88	4.38
	WV	1.98	2.47
	****	1.01	• • •

Utilization Indi

Overhead costs a not. More patier reduces unit cost patients. Utilizat which fixed asse

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2016 Median Indicator Values for Minnesota and the United States

Indicator	MN	US
Total Margin	4.16	2.74
Cash Flow Margin	9.99	6.99
Return on Equity	6.31	5.32
Operating Margin	3.36	0.93
Current Ratio	2.98	2.48
Days Cash on Hand	120.12	77.72
Days in Net Accounts Receivable	51.01	51.34
Days in Gross Accounts Receivable	34.24	49.12
Equity Financing	52.03	59.78
Debt Service Coverage	3.43	3.35
Long-Term Debt to Capitalization	39.43	27.20
Outpatient Revenues to Total Revenues	73.91	77.74
Patient Deductions	36.17	43.46
Medicare Inpatient Payer Mix	70.47	72.70
Medicare Outpatient Payer Mix	39.85	37.10
Medicare Outpatient Cost to Charge	0.50	0.45
Medicare Revenue per Day	3451	2592
Salaries to Net Patient Revenue	42.51	44.90
Average Age of Plant	10.86	10.48
FTEs per Adjusted Occupied Bed	8.05	5.61
Average Salary per FTE	62835	56197
Average Daily Census Swing-SNF Beds	1.24	1.53
Average Daily Census Acute Beds	2.38	2.70
Number of Included CAHs	77	1317

Number of Included CAHs is the Number of CAHs with a Medicare Cost Report for at least 360 days (used in analysis). *N/A* denotes medians that could not be calculated since there were no valid values for this indicator for 2016. See complete report for discussion.

