

Multi-site Hospital Medicine Practice Integration

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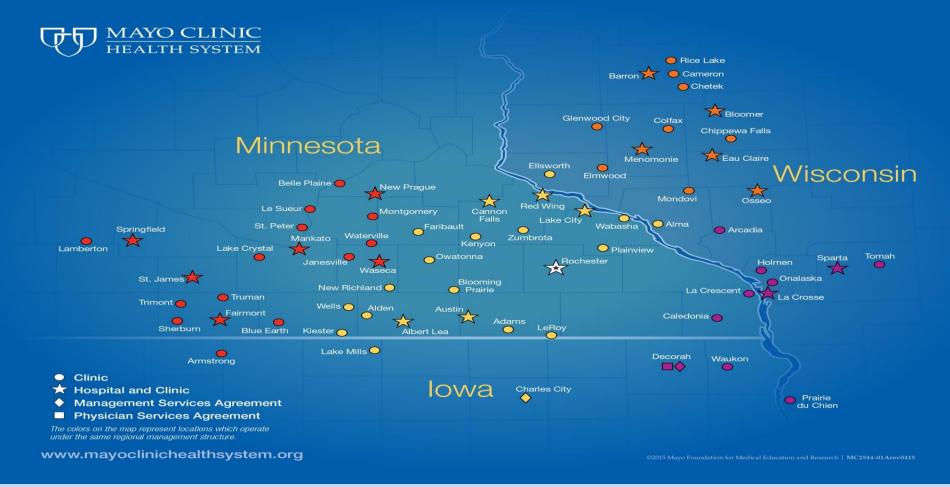
Agenda

- Overview
- Background (Problem and Goals)
- Current State & Future planning
- ☐ Interventions & Mitigations
- Results and Impact
- ☐ Learnings
- □ Conclusion

Overview



























Mayo Clinic in the Midwest

- A single healthcare delivery system with the highest quality destination and communitybased care
- Expert care close to home
- Common patient experience
- Better care, better health and lower cost



How did Hospital Medicine start its integration journey?

- Community Division- Chair / Administrator: Jan. 6th, 2014
- Current State milestone acknowledgment: Practice Integration Office: May 15th 2014
- Future State planning: Nov. 19th 2014



Midwest Practice Overview

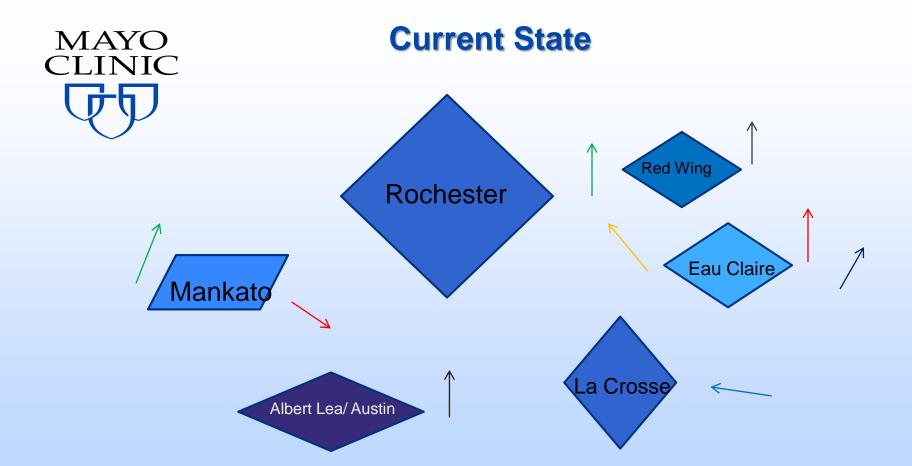
- 4 Hub sites: Mankato/ Eau Claire/ La Crosse/ Albert Lea-Austin/ + River Corridor
- Total Hospitalists: (80+), Total AP's (4+)
- 24 X 7 Coverage of in-patient medical services, medical consults on surgical/ psychiatry patients, with varying ICU responsibilities.
- Expanding roles/ need for Hospitalist services
- Some Critical access sites in process of requiring Hospital medicine programs



Current State Planning

- Planning meetings coordinated with regional site visits (face-time + wind-shield time)
- Service line assessments, SWOT analyses + reviews
- Engagement of local staff in gathering input for future state and planning





Current State Assessment

4 Common Major Challenges

- Staffing to Work Load
- Staff Recruitment
- Staff Retention
- Scope of Practice



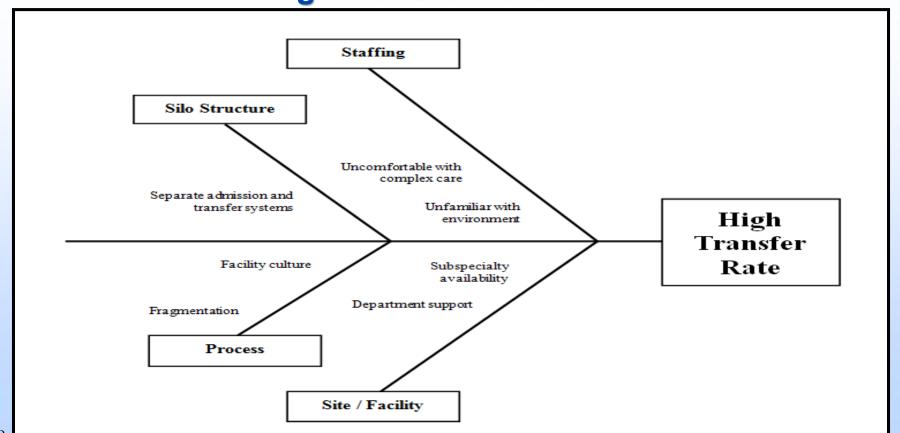
PROBLEMS

- Several distinct cultures
- Geographically and economically disperse
- Variable workforce with turnover and retention
- Siloed structure

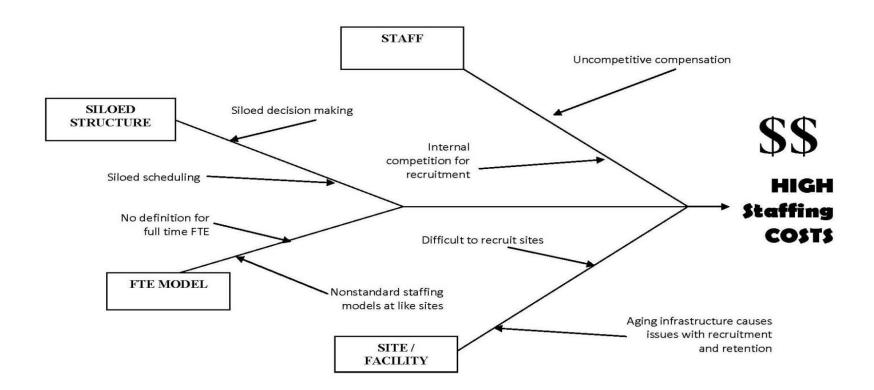
RESULT

- Recruitment/Retention
- Frequent transfers
- Sub-standard quality
- High facility and patient costs
- Inconsistent care

High Transfer Rate



High Staffing Costs







Integration Goals



Measure 1: Non Salaried Hospital Medicine Staffing Costs

- 2014 baseline: ~ \$4000,000 (annual)
- Target: 25% reduction



Measure 2: SEMN Patient Transfers ?

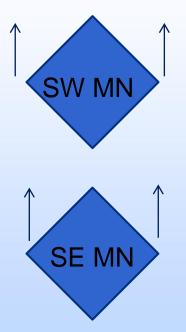
- 2014 baseline: 6395/year
- Target: 5% reduction

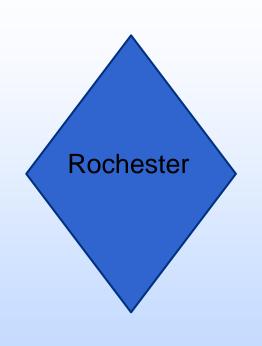


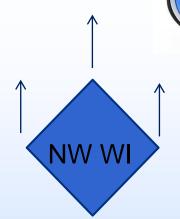
Counterbalance: FTE deficit

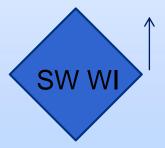
- 2014 baseline: 7 (annual)
- Target: no change

Future State











Future State Planning – elements

- Structure: Regionalization of hub and spoke sites
- Managing Current State Challenges
- Shared Staffing Model: Introduction, training, and onboarding of NPPA's
- Introduce and sustain Critical Access Hospital Medicine practice model
- Leverage Admissions Transfer Center to manage patient transfers and censuses across our Midwest hospitals



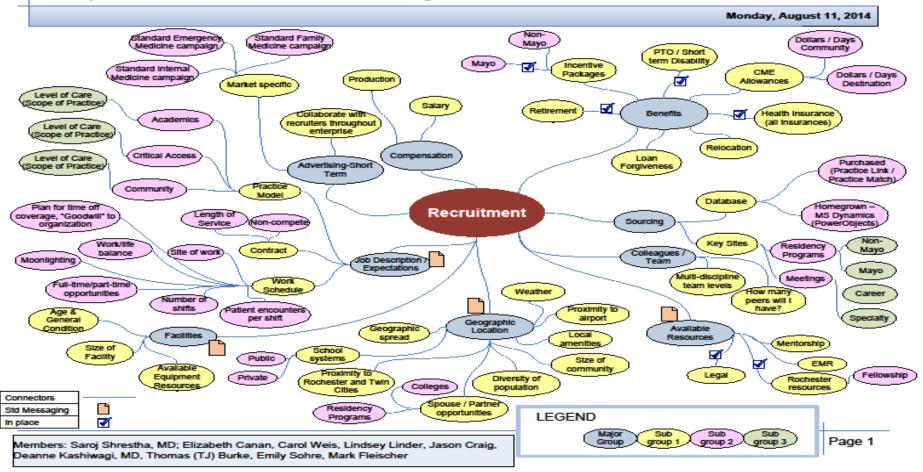
Future State Planning Meetings

- Monthly meetings via teleconferencing
- Quarterly Face to Face retreats at Hub Sites

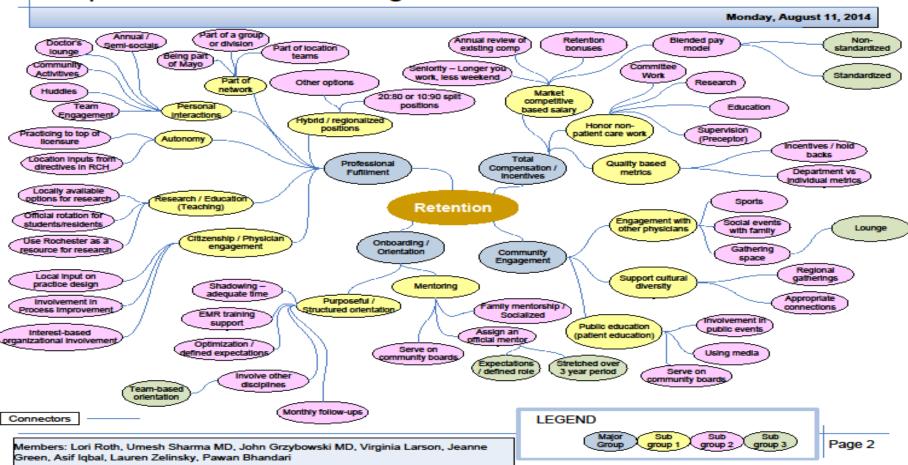




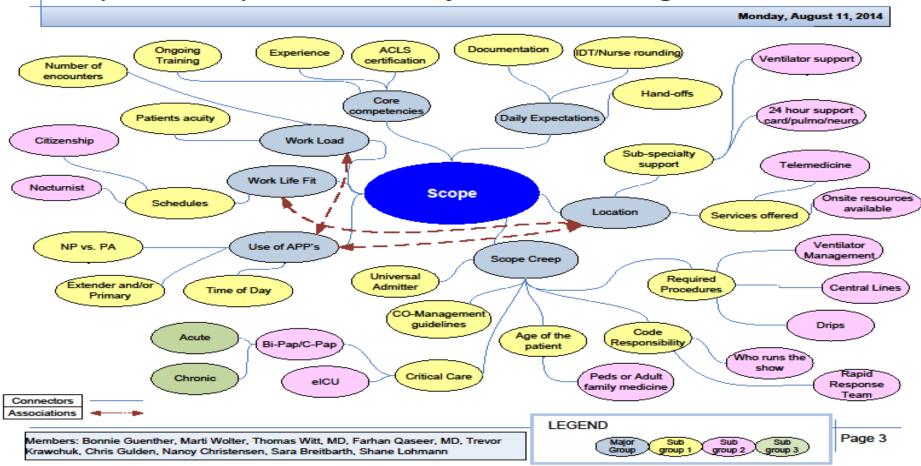
Hospitalist Recruitment Strategies



Hospitalist Retention Strategies



Hospitalist Scope of Community Practice Strategies



Other challenges-opportunities

- Lack of broad representation at meetings
- Available time/ resources to implement future state recommendations.
- Various enterprise projects requiring hospital medicine representation
- Existing variation in work culture across sites (change management): "Think global act local"





(Bridging the Gaps)

Current State Hospitalist Program

CHALLENGES

Future State Hospitalist Program after Mid-west Integration

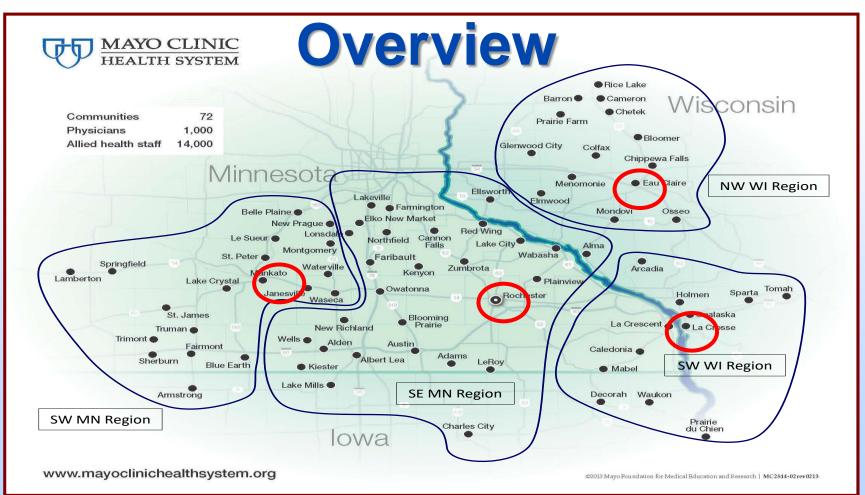
Mankato & Surrounding Hospitals

Austin, Albert Lea, Cannon Falls, Lake City, Redwing, Owatonna

> LaCrosse & Sparta

Eau Claire & Surrounding Hospitals THINK GLOBALLY **ACT LOCALLY**

*SW MN REGION **▶SE MN REGION ▶SW WI REGION NW WI REGION**



Organizational Chart

Division Chair MD- Operations Administrator (Rochester)

Umesh Sharma, MD, MBA- Asif Iqbal MBA (Community Division)

SWMN

Regional Chair MD

Administrator

SEMN I-90 corridor:

Regional Chair, Administrator
River corridor:
Regional Chair MD, Administrator

NWWI

Regional Chair MD
Administrator

SWWI

Regional Chair, MD
Administrator

Recruitment/ Retention

- Centralized recruitment process:
- single specialty recruiter
- single budget
- Centralized sourcing and screening of candidates

- Standardization of work hours + Tiered- compensation
- with productivity expectation to generate >35-40th percentile for AMGA RVU



Scalable Staffing model strategy

Staffing to workloads: Optimal workloads in community practice (15-18 encounters/ day)

Hub sites:

- primarily MD staffed- higher case mix.
- Addition of NPPA's as needed to co manage post surgical patients/ Observation/ psychiatry patients with APP Training\Orientation standardization (including Boor Camp in Rochester)



Scalable Staffing model strategy

Critical access sites (Physician-APP hospitalist programs in Red Wing and Fairmont)

• a) Encounters <15-18/ day: daytime physician only phone coverage at night

b) 18-22 encounters/ day. Physician + AP in day, AP at night.

c) >22-25 encounters/ day with high day time census and night admits. 2 physicians/ day, with MD at night.



Practice Standardization

- Clinical and procedural scope
- Physician and Nurse Bedside Rounding
- Practice workload guidelines
- Single form with multi-site privileging
- Single scheduling software
- Internal moonlighting option

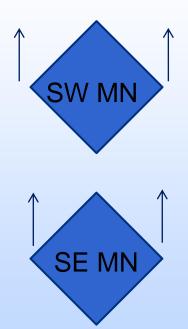


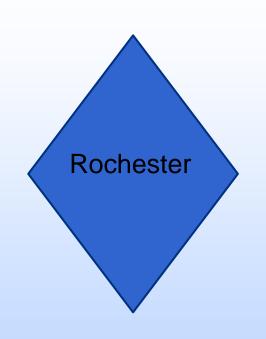
Retention strategy

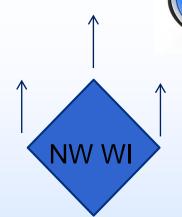
- Hire the right candidate with right fit for the work culture, geography (family)
- Growth opportunities: mentorship, committee appointment, leadership positions,
- Opportunities to connect with colleagues formally informally (problem-solving meetings, provider engagement meetings)
- Recognition: Service achievement awards, marketing campaign

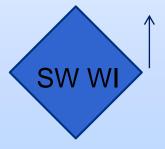


After Integration



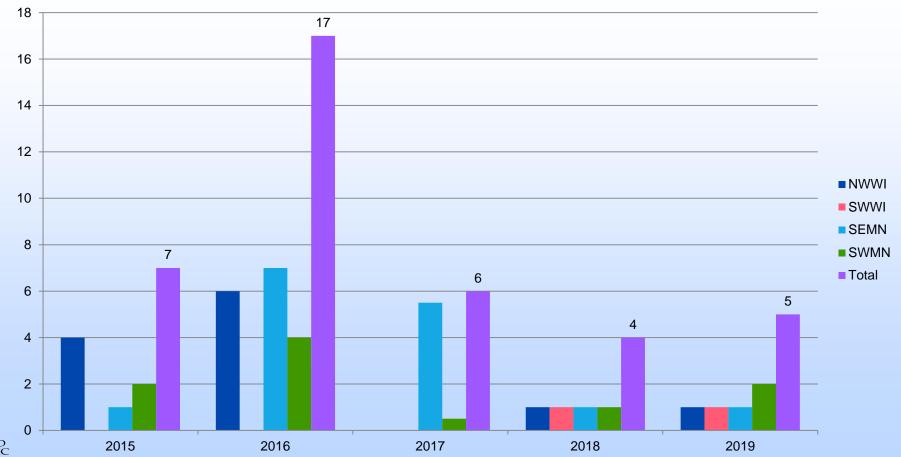




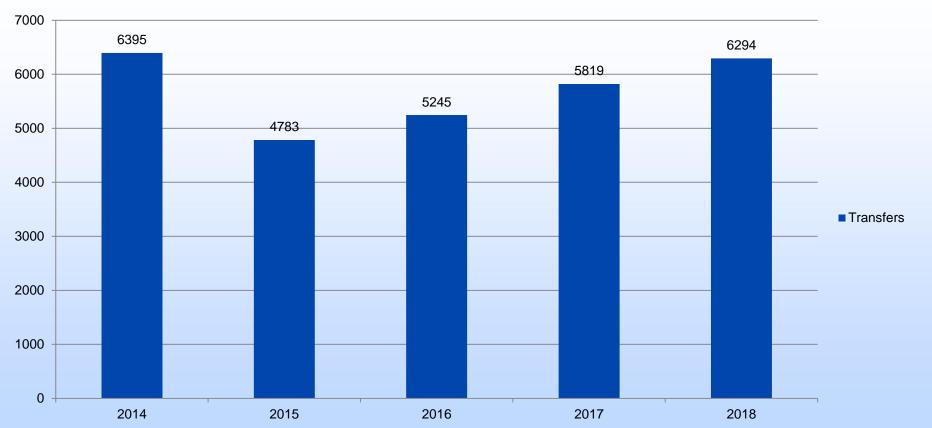




Annual FTE Deficit

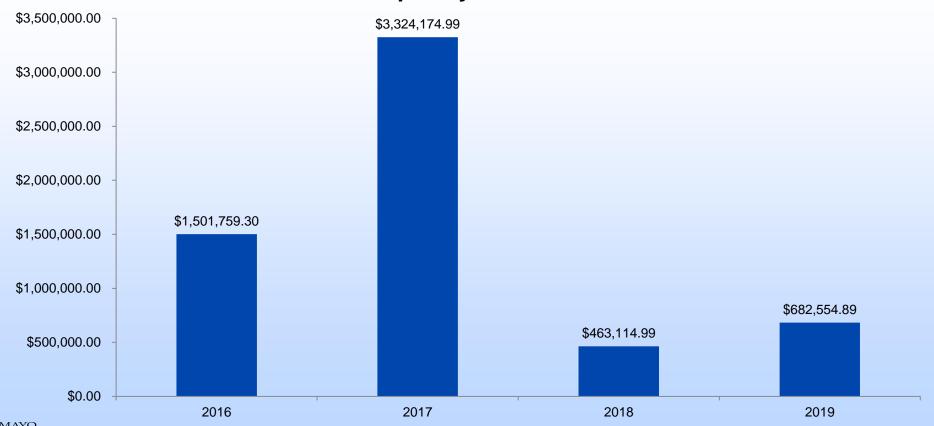


Transfers



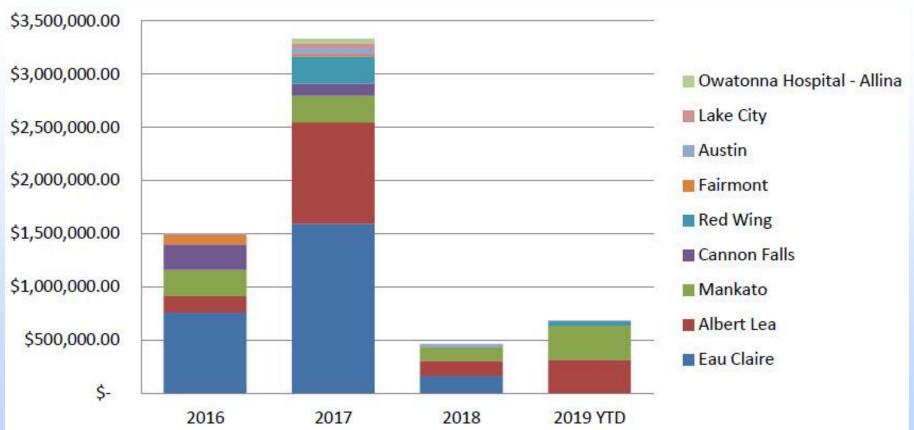


Temporary Staff Cost





Temporary staff costs





Challenges: Fall 2016

- 3 SEMN corridor division chairs stepped down: I-90, OW, Redwing
- 40% turnover in I-90
- >200 shifts/ quarter unfilled, poor staff morale with potential for further FTE loss
- Assumed responsibility of SEMN Regional HM chair









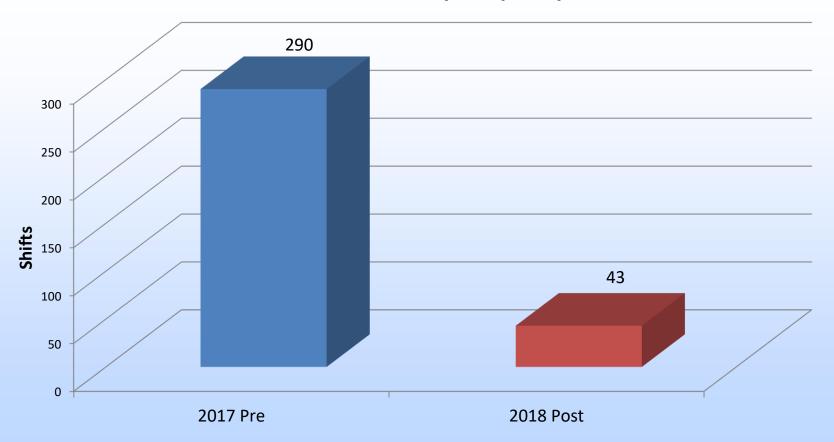
Number of unfilled shifts for start and end of quarters (Q3, 2016, Q-4, 2016, Q-1, 2017)



Site(s)	Current Model	Proposed Future Model	FTE Need	
All SEMN	 Days: 7a to 7p MD (7) 7a to 3p MD (1) 7a to 7p APP (1) 	 Days: 7a to 7p MD (6) 7a to 7p APP (3) Nights: 		
	Nights:7p to 7a MD (3)7p to 7a APP (1)	- 7p to 7a MD (1) - 7p to 7a APP (2)	Needed FTE	
	• FTE: 24.04 MD + 3.80 APP	• FTE: 15.60 MD + 12.80 APP	MD 15.60 20.42 4.82	
		Model Cost Savings: 15.23%	APP 12.80 3.80 -9.00	
			Microsoft Excel Worksheet	

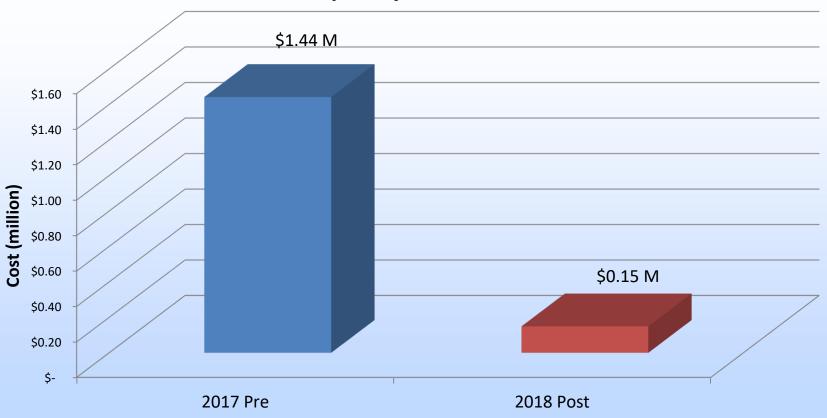


Pre- Post SEMN shifts by Temporary staff



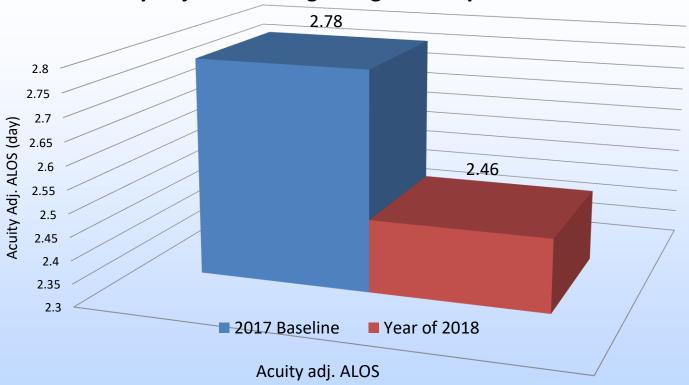


Pre- Post SEMN Temporary staff cost





Pre vs Post-implementation Acuity Adjusted Average Length of Stay





Value proposition/ Metrics- Coding, documentation, and RVU improvement

Code	Level	Description	RVU Value	Benchmark Distribution	2016	Jan-17	Feb-17	Mar-17
99221	Inpt H&P - Level 1	Initial hospital care	1.92	3%	25%	22%	22%	17%
99222	Inpt H&P - Level 2	Initial hospital care	2.61	18%	33%	30%	37%	32%
99223	Inpt H&P - Level 3	Initial hospital care	3.86	79%	43%	48%	41%	52%
99231	Inpt Prog Note - Level 1	Subsequent hospital care	0.76	2%	11%	7%	13%	8%
99232	Inpt Prog Note - Level 2	Subsequent hospital care	1.39	51%	84%	79%	72%	80%
99233	Inpt Prog Note - Level 3	Subsequent hospital care	2	47%	5%	14%	15%	12%
99238	Inpt Disc Sum - Level 1	Hospital discharge day	1.28	17%	47%	21%	22%	13%
99239	Inpt Disc Sum - Level 2	Hospital discharge day	1.9	83%	53%	79%	78%	87%
Discharge Summaries								
	Discharge Summaries	Average Revenue Per Unit		Rev/unit	\$ 283.85	\$ 318.92	\$ 319.21	\$ 322.84
	Discharge Summaries	Average Revenue Per Unit		Rev/unit Delta	\$ 283.85	\$ 318.92 \$ 35.07	\$ 319.21 \$ 35.36	\$ 322.84 \$ 39.00
	Discharge Summaries	Average Revenue Per Unit			\$ 283.85			• • • •
	·	- The state of the		Delta		\$ 35.07	\$ 35.36	\$ 39.00
99218	Obs H&P - Level 1	Initial observation care	1.92	Delta	24%	\$ 35.07	\$ 35.36	\$ 39.00
	·	- The state of the	1.92 2.6	Delta		\$ 35.07	\$ 35.36	\$ 39.00
99218	Obs H&P - Level 1	Initial observation care		Delta	24%	\$ 35.07	\$ 35.36	\$ 39.00
99218 99219 99220	Obs H&P - Level 1 Obs H&P - Level 2 Obs H&P - Level 3	Initial observation care Initial observation care Initial observation care	2.6 3.56	3% 23% 74%	24% 29% 47%	\$ 35.07 14% 40% 46%	\$ 35.36 22% 38% 40%	\$ 39.00 18% 40% 42%
99218 99219	Obs H&P - Level 1 Obs H&P - Level 2	Initial observation care Initial observation care	2.6	Delta 3% 23%	24% 29%	\$ 35.07 14% 40%	\$ 35.36 22% 38%	\$ 39.00 18% 40%
99218 99219 99220	Obs H&P - Level 1 Obs H&P - Level 2 Obs H&P - Level 3	Initial observation care Initial observation care Initial observation care	2.6 3.56	3% 23% 74%	24% 29% 47%	\$ 35.07 14% 40% 46%	\$ 35.36 22% 38% 40%	\$ 39.00 18% 40% 42%
99218 99219 99220	Obs H&P - Level 1 Obs H&P - Level 2 Obs H&P - Level 3 Obs Prog Note - Level 1	Initial observation care Initial observation care Initial observation care Subsequent observation care	2.6 3.56 0.76	3% 23% 74%	24% 29% 47%	\$ 35.07 14% 40% 46%	\$ 35.36 22% 38% 40%	\$ 39.00 18% 40% 42% 36%
99218 99219 99220 99224 99225 99226	Obs H&P - Level 1 Obs H&P - Level 2 Obs H&P - Level 3 Obs Prog Note - Level 1 Obs Prog Note - Level 2	Initial observation care Initial observation care Initial observation care Subsequent observation care Subsequent observation care Subsequent observation care	2.6 3.56 0.76 1.39 2	3% 23% 74% 4% 52% 44%	24% 29% 47% 33% 65% 1%	\$ 35.07 14% 40% 46% 27% 73% 0%	\$ 35.36 22% 38% 40% 42% 55% 3%	\$ 39.00 18% 40% 42% 36% 64% 1%
99218 99219 99220 99224 99225	Obs H&P - Level 1 Obs H&P - Level 2 Obs H&P - Level 3 Obs Prog Note - Level 1 Obs Prog Note - Level 2	Initial observation care Initial observation care Initial observation care Subsequent observation care Subsequent observation care	2.6 3.56 0.76 1.39	3% 23% 74% 4% 52%	24% 29% 47% 33% 65%	\$ 35.07 14% 40% 46% 27% 73%	\$ 35.36 22% 38% 40% 42% 55%	\$ 39.00 18% 40% 42% 36% 64%
99218 99219 99220 99224 99225 99226	Obs H&P - Level 1 Obs H&P - Level 2 Obs H&P - Level 3 Obs Prog Note - Level 1 Obs Prog Note - Level 2 Obs Prog Note - Level 3	Initial observation care Initial observation care Initial observation care Subsequent observation care Subsequent observation care Subsequent observation care	2.6 3.56 0.76 1.39 2	3% 23% 74% 4% 52% 44%	24% 29% 47% 33% 65% 1%	\$ 35.07 14% 40% 46% 27% 73% 0%	\$ 35.36 22% 38% 40% 42% 55% 3%	\$ 39.00 18% 40% 42% 36% 64% 1%



Code	Team Average	Benchmark Distribution	\$/Unit	Current	Benchmark High
99221	25%	3%	\$364.00	\$ 188,916.00	\$ 20,215.15
99222	33%	18%	\$477.75	\$ 327,258.75	\$ 182,682.01
99223	43%	79%	\$618.75	\$ 556,875.00	\$1,030,889.44
99231	11%	2%	\$175.00	\$ 157,850.00	\$ 27,838.31
99232	84%	51%	\$237.76	\$1,636,739.84	\$ 994,176.17
99233	5%	47%	\$331.00	\$ 146,964.00	\$1,287,423.38
99238	47%	17%	\$230.00	\$ 264,500.00	\$ 97,547.58
99239	53%	83%	\$330.00	\$ 423,390.00	\$ 662,930.43
99218	23%	3%	316.39	\$ 135,731.31	\$ 15,577.73
99219	30%	23%	435.01	\$ 243,170.59	\$ 187,723.23
99220	46%	74%	595.52	\$ 508,574.08	\$ 810,637.55
99224	33%	4%	\$110.00	\$ 52,690.00	\$ 5,617.86
99225	65%	52%	\$220.57	\$ 205,130.10	\$ 165,217.43
99226	1%	44%	\$308.00	\$ 6,468.00	\$ 194,003.33
99234	21%	0%	\$432.00	\$ 12,528.00	\$ -
99235	34%	33%	\$586.00	\$ 26,956.00	\$ 25,710.75
99236	44%	68%	\$688.00	\$ 41,280.00	\$ 62,694.00
				\$4,935,021.67	\$5,770,884.35
				Difference	\$ 835,862.68



Operational efficiencies introduced

- OSP Measures identified: post MI 30-day readmission metric
- Observation unit in Eau Claire, La Crosse
- First ever intra-divisional retreat ED and Hospital Medicine
- Patient experience efforts in Midwest- Provider coaching and empathy training
- SIM center for procedural training for hospitalists
- Collaborative work standard with surgeons to care for patients with surgical needs



Other standardizations

- Standardized Metrics: Hospital medicine dashboard
- · Length of stay
- Cost per case
- Observed vs. expected mortality
- · Length of stay
- · Readmission rates
- Press-Ganey Patient experience scores
- Standardization of NP/PA role in community hospital practice: orientation, boot camp, fellowship
- Collaboration with ATC, Post Acute care, ED colleagues to manage patient transitions between Midwest sites
- Future Telemedicine support to critical access sites

Learnings: Top 10

- 1. Historic evolution: Colleagues communicating, collaborating and uniting as a division across regional practice sites
- 2.Seek to understand and explain purpose, rather than push agenda
- 3. Face-timing, relationship building essential for on boarding and engaging colleagues
- 4. Every program is unique: culture, needs, serves various needs that are continually changing.
- 5. Similar roadblock issues: Staffing to workloads, Scope of practice, recruitment and retention



Learnings: Top 10

- 6. Great team, support from Rochester Hospital Medicine, and health system leadership
- 7. Support of Regional Leadership essential: value quality/ service/ outcomes by Hospitalists and invest in the programs
- 8. Change management with frequent communication
- 9. Strong foundation required for continued future evolution.
- 10. "Think global, act local". Strategy vs. operations role as needed.





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