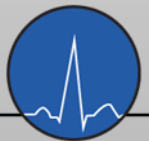


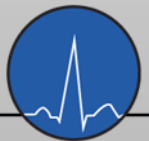
# ASPIRE Collaborative Meeting

July 21, 2017

Lansing, MI



# This is the most important thing we do



# Sites

## **ASPIRE BCBSM Cohort 1 Hospitals**

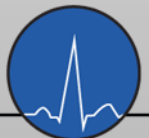
- Beaumont Health System Dearborn
- Beaumont Health System Royal Oak
- Beaumont Health System Taylor
- Beaumont Health System Troy
- Mercy Muskegon
- St. Joseph Mercy Ann Arbor
- St. Joseph Mercy Chelsea
- St. Joseph Mercy Livingston
- University of Michigan

## **ASPIRE BCBSM Cohort 2 Hospitals**

- Beaumont Health Farmington Hills
- Bronson Medical Battle Creek
- Bronson Medical Kalamazoo
- Holland Hospital
- St. Joseph Mercy Oakland
- St. Mary Mercy Livonia
- Sparrow Hospital

## **ASPIRE BCBSM Cohort 3 Hospitals**

- Henry Ford Detroit
- Henry Ford Bloomfield Hills
- Beaumont Grosse Pointe





**Beaumont**

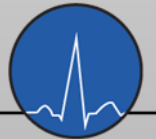
Farmington Hills  
Grosse Pointe  
Royal Oak  
Troy



Detroit  
West Bloomfield

**Beaumont**

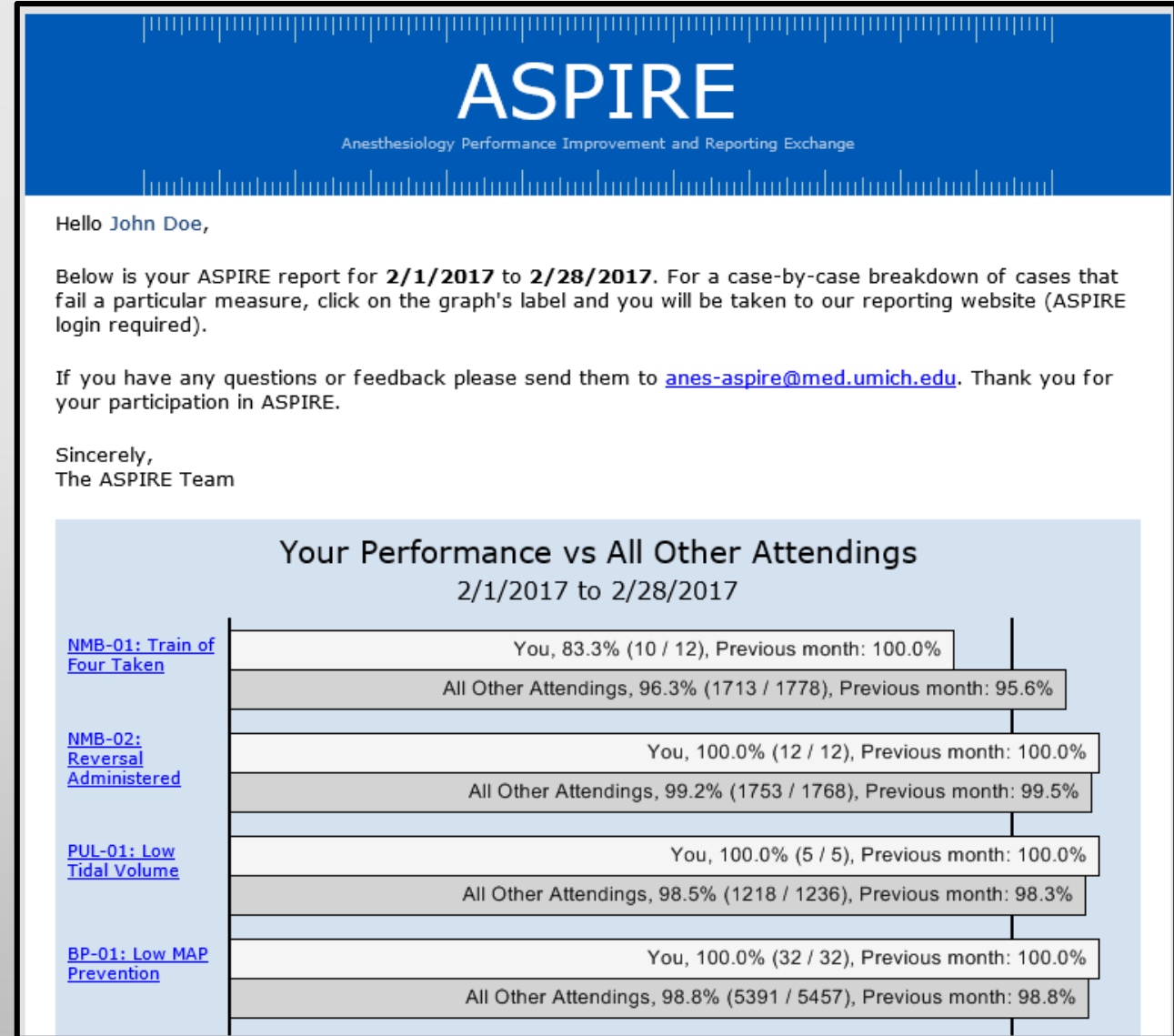
Taylor  
Dearborn



Neuromuscular Monitoring		Glucose Management	
<div>NMB-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>96%</div> <div>Target: 90%</div> </div>	<div>NMB-02: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>99%</div> <div>Target: 90%</div> </div>	<div>GLU-01a: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>98%</div> <div>Target: 90%</div> </div>	<div>GLU-02a: Your Institution's Performance (Past 12 months)</div> <div> <div>✗</div> <div>90%</div> <div>Target: 90%</div> </div>
Transfusion Management		Blood Pressure	
<div>TRAN-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✗</div> <div>81%</div> <div>Target: 90%</div> </div>	<div>TRAN-02: Your Institution's Performance (Past 12 months)</div> <div> <div>✗</div> <div>86%</div> <div>Target: 90%</div> </div>	<div>BP-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>100%</div> <div>Target: 90%</div> </div>	<div>BP-02: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>95%</div> <div>Target: 90%</div> </div>
Pulmonary	Medication Overdose	Fluids	
<div>PUL-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>98%</div> <div>Target: 90%</div> </div>	<div>MED-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>100%</div> <div>Target: 95%</div> </div>	<div>FLUID-01-NC: Your Institution's Performance (Past 12 months)</div> <div> <div>ℹ</div> <div>99%</div> </div>	<div>FLUID-01-C: Your Institution's Performance (Past 12 months)</div> <div> <div>ℹ</div> <div>83%</div> </div>
Normothermia			AKI
<div>TEMP-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>90%</div> <div>Target: 90%</div> </div>	<div>TEMP-02: Your Institution's Performance (Past 12 months)</div> <div> <div>✗</div> <div>78%</div> <div>Target: 90%</div> </div>	<div>TEMP-03: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>99%</div> <div>Target: 90%</div> </div>	<div>AKI: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>92%</div> <div>Target: 90%</div> </div>
Avoiding MI	Transfer of Care		
<div>CARD-01: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>100%</div> <div>Target: 95%</div> </div>	<div>TOC-02: Your Institution's Performance (Past 12 months)</div> <div> <div>✓</div> <div>90%</div> <div>Target: 90%</div> </div>		

# Individual Provider Feedback

- Total number of providers sent emails – 2,100
- Total number of emails sent – 23,000



# Related programs

- QCDR 2017
- MOCA® Part IV (New)

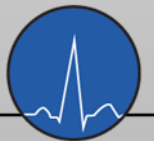


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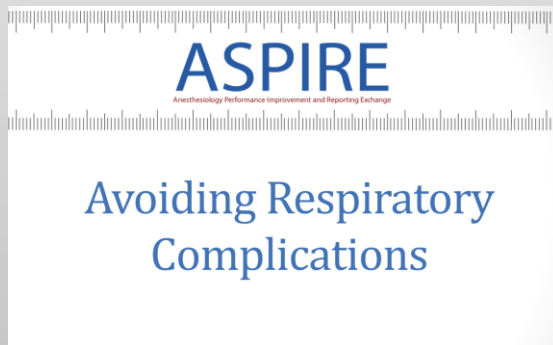
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# Introduction to ASPIRE Toolkits

- ASPIRE Toolkits contain a collection of educational resources, articles, and reference guides.
- Materials within are intended for widespread use across the collaborative to facilitate the sharing of best practices
- First one - Avoiding Respiratory Complications



ASPIRE Anesthesiology Performance Improvement and Reporting Exchange	
<b>Avoiding Respiratory Complications Checklist</b>	
<input type="checkbox"/>	Train of Four monitor in every operating room (acceleromyography, peripheral nerve stimulators)
<input type="checkbox"/>	Replacement batteries for monitor easily accessible
<input type="checkbox"/>	Tidal volume for ideal body weight reference cards available on each anesthesia cart and online
<input type="checkbox"/>	Change default ventilator settings to: <ul style="list-style-type: none"><li>• 400-500 cc tidal volume</li><li>• Rate 10-12</li><li>• PEEP ~5</li></ul>
<input type="checkbox"/>	Build Ideal Body Weight Calculations into electronic health record
<input type="checkbox"/>	Consider real-time alerting options for TV>10cc/kg, NMB reversal, and Train of Four monitoring if available
<input type="checkbox"/>	Check ASPIRE dashboard on monthly basis for performance review. Target low performers with highest volume first for education
<input type="checkbox"/>	Present performance review at departmental QI meetings

ASPIRE Anesthesiology Performance Improvement and Reporting Exchange											
MALES						FEMALES					
HEIGHT	IBW	A	T	S	FEEDBACK	HEIGHT	IBW	A	T	S	FEEDBACK
5'0"	151.92	22.4	130	130	100	5'0"	151.92	17.0	110	120	140
5'1"	154.44	23.7	130	130	100	5'1"	154.44	20.2	110	140	160
5'2"	156.96	25.0	130	130	100	5'2"	156.96	23.4	110	140	180
5'3"	159.48	26.3	130	130	100	5'3"	159.48	26.6	110	140	200
5'4"	162.00	27.6	130	130	100	5'4"	162.00	29.8	110	140	220
5'5"	164.52	28.9	130	130	100	5'5"	164.52	33.0	110	140	240
5'6"	167.04	30.2	130	130	100	5'6"	167.04	36.2	110	140	260
5'7"	169.56	31.5	130	130	100	5'7"	169.56	39.4	110	140	280
5'8"	172.08	32.8	130	130	100	5'8"	172.08	42.6	110	140	300
5'9"	174.60	34.1	130	130	100	5'9"	174.60	45.8	110	140	320
5'10"	177.12	35.4	130	130	100	5'10"	177.12	49.0	110	140	340
5'11"	179.64	36.7	130	130	100	5'11"	179.64	52.2	110	140	360
6'0"	182.16	38.0	130	130	100	6'0"	182.16	55.4	110	140	380
6'1"	184.68	39.3	130	130	100	6'1"	184.68	58.6	110	140	400
6'2"	187.20	40.6	130	130	100	6'2"	187.20	61.8	110	140	420
6'3"	189.72	41.9	130	130	100	6'3"	189.72	65.0	110	140	440
6'4"	192.24	43.2	130	130	100	6'4"	192.24	68.2	110	140	460
6'5"	194.76	44.5	130	130	100	6'5"	194.76	71.4	110	140	480
6'6"	197.28	45.8	130	130	100	6'6"	197.28	74.6	110	140	500
6'7"	199.80	47.1	130	130	100	6'7"	199.80	77.8	110	140	520
6'8"	202.32	48.4	130	130	100	6'8"	202.32	81.0	110	140	540
6'9"	204.84	49.7	130	130	100	6'9"	204.84	84.2	110	140	560
6'10"	207.36	51.0	130	130	100	6'10"	207.36	87.4	110	140	580
6'11"	209.88	52.3	130	130	100	6'11"	209.88	90.6	110	140	600
7'0"	212.40	53.6	130	130	100	7'0"	212.40	93.8	110	140	620
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7'3"	219.96	57.5	130	130	100	7'3"	219.96	103.4	110	140	680
7'4"	222.48	58.8	130	130	100	7'4"	222.48	106.6	110	140	700
7'5"	225.00	60.1	130	130	100	7'5"	225.00	109.8	110	140	720
7'6"	227.52	61.4	130	130	100	7'6"	227.52	113.0	110	140	740
7'7"	230.04	62.7	130	130	100	7'7"	230.04	116.2	110	140	760
7'8"	232.56	64.0	130	130	100	7'8"	232.56	119.4	110	140	780
7'9"	235.08	65.3	130	130	100	7'9"	235.08	122.6	110	140	800
7'10"	237.60	66.6	130	130	100	7'10"	237.60	125.8	110	140	820
7'11"	240.12	67.9	130	130	100	7'11"	240.12	129.0	110	140	840
8'0"	242.64	69.2	130	130	100	8'0"	242.64	132.2	110	140	860
8'1"	245.16	70.5	130	130	100	8'1"	245.16	135.4	110	140	880
8'2"	247.68	71.8	130	130	100	8'2"	247.68	138.6	110	140	900
8'3"	250.20	73.1	130	130	100	8'3"	250.20	141.8	110	140	920
8'4"	252.72	74.4	130	130	100	8'4"	252.72	145.0	110	140	940
8'5"	255.24	75.7	130	130	100	8'5"	255.24	148.2	110	140	960
8'6"	257.76	77.0	130	130	100	8'6"	257.76	151.4	110	140	980
8'7"	260.28	78.3	130	130	100	8'7"	260.28	154.6	110	140	1000
8'8"	262.80	79.6	130	130	100	8'8"	262.80	157.8	110	140	1020
8'9"	265.32	80.9	130	130	100	8'9"	265.32	161.0	110	140	1040
8'10"	267.84	82.2	130	130	100	8'10"	267.84	164.2	110	140	1060
8'11"	270.36	83.5	130	130	100	8'11"	270.36	167.4	110	140	1080
9'0"	272.88	84.8	130	130	100	9'0"	272.88	170.6	110	140	1100
9'1"	275.40	86.1	130	130	100	9'1"	275.40	173.8	110	140	1120
9'2"	277.92	87.4	130	130	100	9'2"	277.92	177.0	110	140	1140
9'3"	280.44	88.7	130	130	100	9'3"	280.44	180.2	110	140	1160
9'4"	282.96	90.0	130	130	100	9'4"	282.96	183.4	110	140	1180
9'5"	285.48	91.3	130	130	100	9'5"	285.48	186.6	110	140	1200
9'6"	288.00	92.6	130	130	100	9'6"	288.00	189.8	110	140	1220
9'7"	290.52	93.9	130	130	100	9'7"	290.52	193.0	110	140	1240
9'8"	293.04	95.2	130	130	100	9'8"	293.04	196.2	110	140	1260
9'9"	295.56	96.5	130	130	100	9'9"	295.56	199.4	110	140	1280
9'10"	298.08	97.8	130	130	100	9'10"	298.08	202.6	110	140	1300
9'11"	300.60	99.1	130	130	100	9'11"	300.60	205.8	110	140	1320
10'0"	303.12	100.4	130	130	100	10'0"	303.12	209.0	110	140	1340
10'1"	305.64	101.7	130	130	100	10'1"	305.64	212.2	110	140	1360
10'2"	308.16	103.0	130	130	100	10'2"	308.16	215.4	110	140	1380
10'3"	310.68	104.3	130	130	100	10'3"	310.68	218.6	110	140	1400
10'4"	313.20	105.6	130	130	100	10'4"	313.20	221.8	110	140	1420
10'5"	315.72	106.9	130	130	100	10'5"	315.72	225.0	110	140	1440
10'6"	318.24	108.2	130	130	100	10'6"	318.24	228.2	110	140	1460
10'7"	320.76	109.5	130	130	100	10'7"	320.76	231.4	110	140	1480
10'8"	323.28	110.8	130	130	100	10'8"	323.28	234.6	110	140	1500
10'9"	325.80	112.1	130	130	100	10'9"	325.80	237.8	110	140	1520
10'10"	328.32	113.4	130	130	100	10'10"	328.32	241.0	110	140	1540
10'11"	330.84	114.7	130	130	100	10'11"	330.84	244.2	110	140	1560
11'0"	333.36	116.0	130	130	100	11'0"	333.36	247.4	110	140	1580
11'1"	335.88	117.3	130	130	100	11'1"	335.88	250.6	110	140	1600
11'2"	338.40	118.6	130	130	100	11'2"	338.40	253.8	110	140	1620
11'3"	340.92	119.9	130	130	100	11'3"	340.92	257.0	110	140	1640
11'4"	343.44	121.2	130	130	100	11'4"	343.44	260.2	110	140	1660
11'5"	345.96	122.5	130	130	100	11'5"	345.96	263.4	110	140	1680
11'6"	348.48	123.8	130	130	100	11'6"	348.48	266.6	110	140	1700
11'7"	351.00	125.1	130	130	100	11'7"	351.00	269.8	110	140	1720
11'8"	353.52	126.4	130	130	100	11'8"	353.52	273.0	110	140	1740
11'9"	356.04	127.7	130	130	100	11'9"	356.04	276.2	110	140	1760
11'10"	358.56	129.0	130	130	100	11'10"	358.56	279.4	110	140	1780
11'11"	361.08	130.3	130	130	100	11'11"	361.08	282.6	110	140	1800
12'0"	363.60	131.6	130	130	100	12'0"	363.60	285.8	110	140	1820
12'1"	366.12	132.9	130	130	100	12'1"	366.12	289.0	110	140	1840
12'2"	368.64	134.2	130	130	100	12'2"	368.64	292.2	110	140	1860
12'3"	371.16	135.5	130	130	100	12'3"	371.16	295.4	110	140	1880
12'4"	373.68	136.8	130	130	100	12'4"	373.68	298.6	110	140	1900
12'5"	376.20	138.1	130	130	100	12'5"	376.20	301.8	110	140	1920
12'6"	378.72	139.4	130	130	100	12'6"	378.72	305.0	110	140	1940
12'7"	381.24	140.7	130	130	100	12'7"	381.24	308.2	110	140	1960
12'8"	383.76	142.0	130	130	100	12'8"	383.76	311.4	110	140	1980
12'9"	386.28	143.3	130	130	100	12'9"	386.28	314.6	110	140	2000
13'0"	388.80	144.6	130	130	100	13'0"	388.80	317.8	110	140	2020
13'1"	391.32	145.9	130	130	100	13'1"	391.32	321.0	110	140	2040
13'2"	393.84	147.2	130	130	100	13'2"	393.84	324.2	110	140	2060
13'3"	396.36	148.5	130	130	100	13'3"	396.36	327.4	110	140	2080
13'4"	398.88	149.8	130	130	100	13'4"	398.88	330.6	110	140	2100
13'5"	401.40	151.1	130	130	100	13'5"	401.40	333.8	110	140	2120
13'6"	403.92	152.4	130	130	100	13'6"	403.92	337.0	110	140	2140
13'7"	406.44	153.7	130	130	100	13'7"	406.44	340.2	110	140	2160
13'8"	408.96	155.0	130	130	100	13'8"	408.96	343.4	110	140	2180
13'9"	411.48	156.3	130	130	100	13'9"	411.48	346.6	110	140	2200
13'10"	414.00	157.6	130	130	100	13'10"	414.00	349.8	110	140	2220
13'11"	416.52	158.9	130	130	100	13'11"	416.52	353.0	110	140	2240
14'0"	419.04	160.2	130	130	100	14'0"	419.04	356.2	110	140	2260
14'1"	421.56	161.5	130	130	100	14'1"	421.56	359.4	110	140	2280
14'2"	424.08	162.8	130	130	100	14'2"	424.08	362.6	110	140	2300
14'3"	426.60	164.1	130	130	100	14'3"	426.60	365.8	110	140	2320
14'4"	429.12	165.4	130								



# ASPIRE

Anesthesiology Performance Improvement and Reporting Exchange

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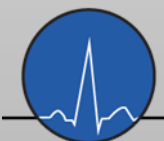
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## Quality Improvement Toolkits

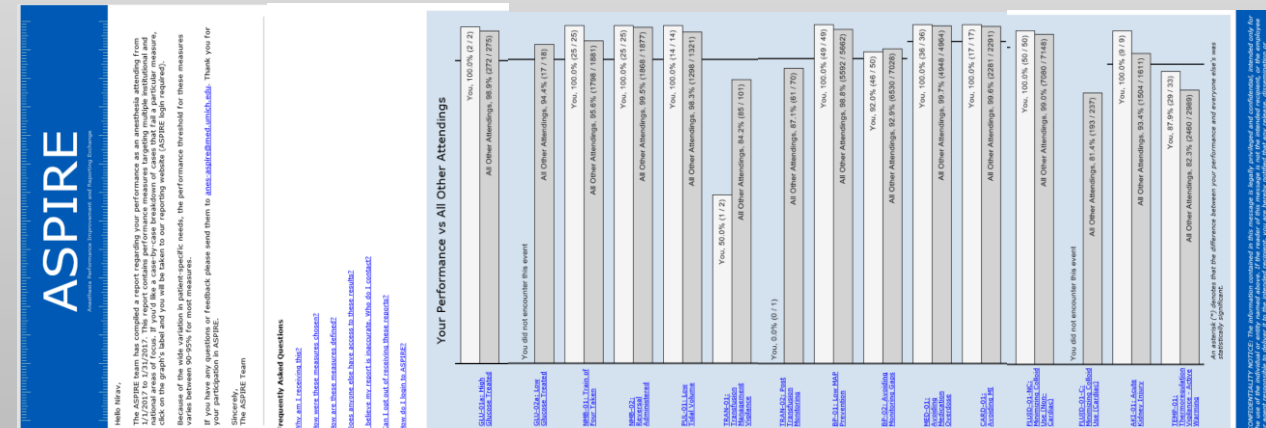
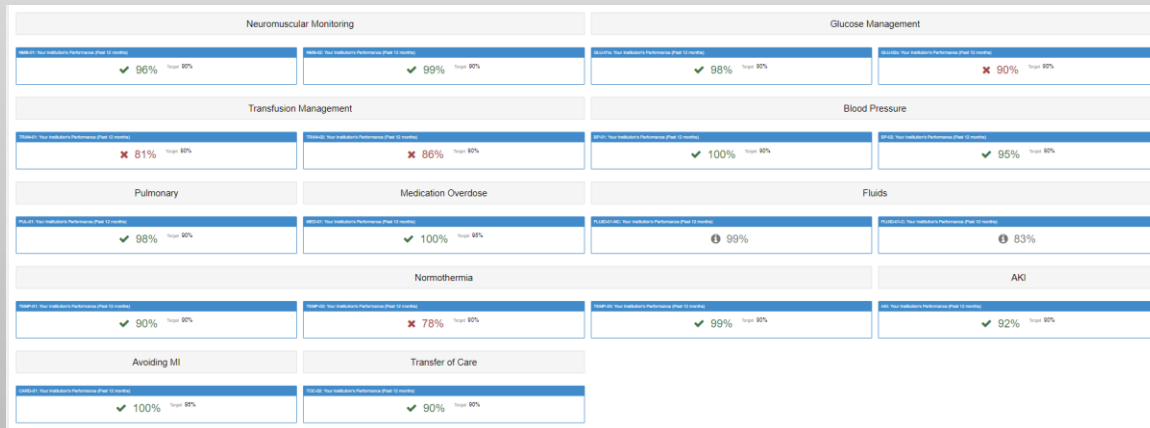
### Introduction to ASPIRE Toolkits

ASPIRE toolkits are designed to improve care and patient outcomes through the adoption of best practices. ASPIRE Toolkits contain a collection of educational resources, articles, and reference guides. Materials within are intended for widespread use across the collaborative to facilitate the sharing of best practices.



# Avoid Measure and Project Overload

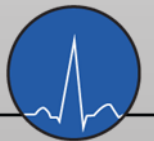
- Collecting and analyzing vast amounts of data
- 18 measures, but cannot have 18 QI programs
- Collaborative focused + site focused



# Strong partnership with BCBSM



- Great support from CQI leadership
- Approval for 2018 recruitment
- Advisory role at ABA/ASA events
- Potential for additional uplift to BCBSM fee schedule



# Agenda

9:00 a.m. – 9:15 a.m.

## **Welcome**

Nirav Shah, MD  
Associate Program Director, ASPIRE

9:15 a.m. – 10:00 a.m.

## **Thermoregulation and Heat Balance**

Leif Saager, MD  
University of Michigan

10:00 a.m. – 11:00 p.m.

## **Lessons Learned – QI Stories**

*Antibiotic Prophylaxis Timing*

Twisha Patel, PharmD - University of Michigan

*Developing a Document Repository for QI*

Eric Davies, MD - St. Joseph Oakland

*SSI Prevention Project*

Steven Lins, MD - Bronson Battle Creek

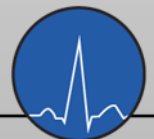
*Leveraging ASPIRE and EPIC data for Practice Improvement and Reporting*

Joshua Berris, DO - Beaumont Farmington Hills

11:00 a.m. – 11:30 a.m.

## **App Updates**

Katie Buehler, MS, RN, CPPS  
QI Coordinator, ASPIRE



# Afternoon....

11:30 a.m. – 12:30 p.m.

**Lunch**

12:30 p.m. – 1:30 p.m.

**ASPIRE Quality Committee Meeting**

Nirav Shah, MD

Associate Program Director, ASPIRE

1:30 p.m. – 2:00 p.m.

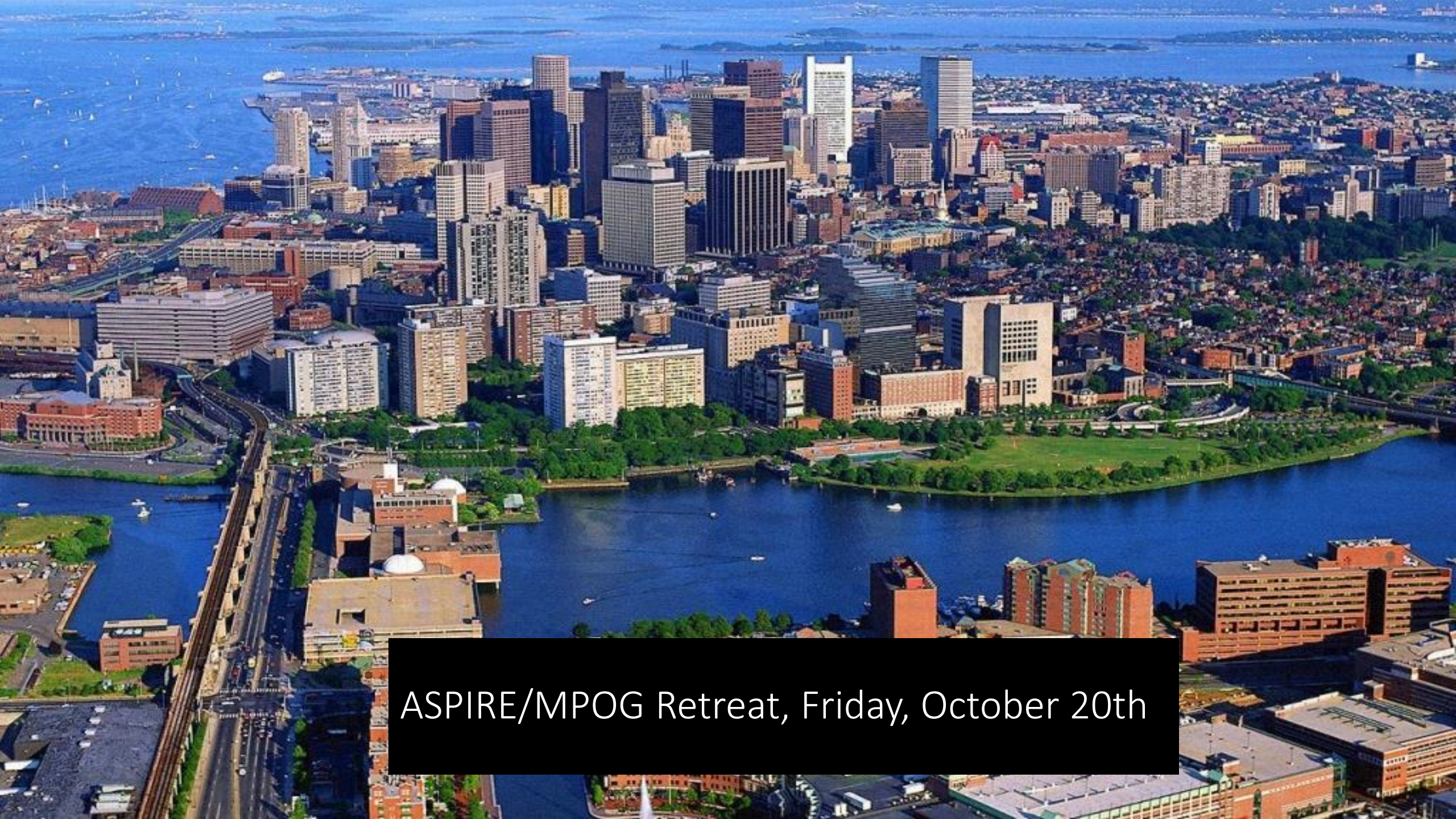
**ASPIRE Updates, Wrap up and Questions**

Nirav Shah, MD

Associate Program Director, ASPIRE







ASPIRE/MPOG Retreat, Friday, October 20th



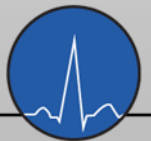
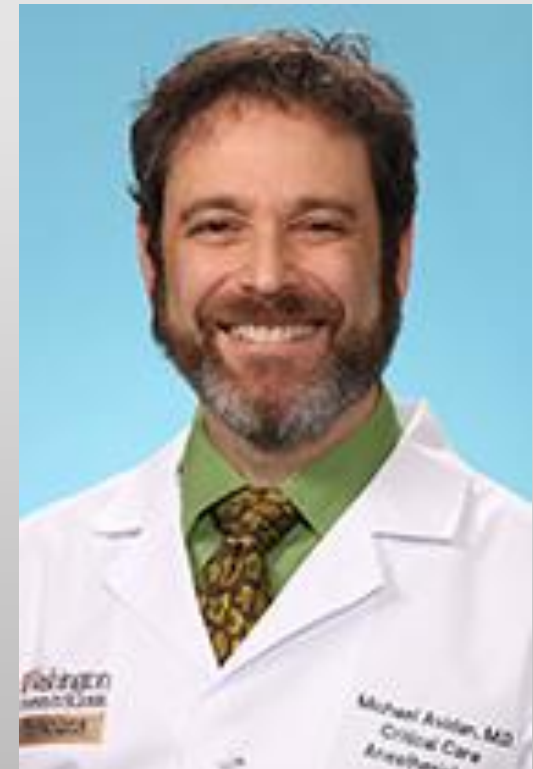


**Isaac Kohane, MD, PhD**  
**Harvard Medical School**

**Ashish Jha, MD, MPH**  
**Harvard TC Chan School of Public Health**



**Michael S Avidan, MBBCh**  
**Washington University**



# Next Up, Thermoregulation and Heat Balance

- Leif Saager, MD
- Assistant Professor,  
Anesthesiology
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