

Thank you for agreeing to participate in this survey on emergency general surgery structures and processes. Your responses should represent what is <u>currently implemented</u> at the <u>hospital indicated</u> <u>below</u>. Survey data will be analyzed in aggregate form without identifying you or your hospital.

«Hospital\_Name»

«Hospital\_City», «Hospital\_State»

#### **Hospital-wide Structures and Processes**

Questions 1-13 pertain to **overall structures and processes** of care at your hospital.

1.	1. Does your hospital provide <u>round-the-clock</u> (24/7/365) availability of <u>critical care specialists</u> (i.e., physicians with fellowship training and board certification in pulmonary critical care, anesthesia critical care, or surgical critical care)?								
	☐ <sub>1</sub> Yes ☐ <sub>2</sub> No If <i>No</i> , go to #3								
	2. How does your hospital assure round-the-clock access to <u>critical care specialists</u> ? (Select <u>one</u> response only)								
	$\square_1$ In-house critical care specialist at all times (24/7/365) $\square_2$ Critical care specialist on-call when a critical care specialist is NOT available in-house $\square_3$ Tele-ICU service when a critical care specialist is NOT available in-house $\square_4$ Transfer agreement(s) to facilitate access to critical care when not available at my hospital $\square_5$ Other (please specify)								
3.	What is your hospital's availability of <b>ERCP</b> for bilia	ry emergencie	es? (Select <u>on</u>	<u>e</u> response on	ly)				
	$\square_1$ An endoscopist who can perform ERCP available/on-call at all times (24/7/365) $\square_2$ An endoscopist who can perform ERCP available during weekdays only $\square_3$ No availability of ERCP at my hospital $\square_4$ Other (please specify)								
4.	Does your hospital have overnight operating room	<u>n availability</u> ?							
	$\square_1$ Yes $\square_2$ No If <i>No</i> , go to #6 on Page 2								
5.	Please describe your hospital's overnight operatin row)	g room staff p	resence. <i>(Sel</i>	ect a response	e for each				
		In-house	Can be called in	Not Available	Unsure				
	a. Scrub technician(s)								
	b. OR nursing staff				$\square_{_4}$				
	c. PACU/recovery room nursing staff				$\square_{_4}$				
	d. Anesthesiologists (MD, DO, MBBS)				$\square_{_4}$				
	e. CRNA(s)								
	f. Surgical pathologist(s) for frozen section	П	П	П	П				

Does your hospital provide <u>round-the-clock</u> (24/7/36 staff? (Select a response for each row)	5) <u>in-hou</u>	<u>se</u> presei	nce of the fo	llowing <u>a</u>	ancillary
			Yes	No	Unsure
a. X-ray technician(s)					$\square_3$
b. Ultrasound technician(s)					$\square_{_3}$
c. CT technician(s)					$\square_3$
d. Respiratory therapist(s)					$\square_3$
e. Clinical laboratory technician(s)					$\square_3$
f. Blood bank technician(s)					
How frequently would the following occur for radiog hospital's radiology department? (Select a response for	-		ered "STAT"	from yo	ur
	Always	Often	Sometimes	Rarely	Never
a. A <u>CT scan</u> is completed within 4 hours of placing the order					
b. An <u>ultrasound</u> is completed within 4 hours of placing the order			$\square_3$	$\square_{_4}$	
c. A <u>board certified/board eligible radiologist</u> reads the study within two hours of completion				$\square_{_4}$	
d. A study completed overnight is read by a <u>tele-radiologist</u>	$\square_{\scriptscriptstyle 1}$			$\square_{\scriptscriptstyle 4}$	$\square_{5}$
e. <u>Critical study findings</u> are personally communicated (e.g., by telephone, face-to-face) by the radiologist to the ordering physician					
f. The <u>interventional radiology team</u> is available inhouse within 1 hour of requesting the intervention (e.g., angioembolization)					
Does your hospital have the following established for a response for each row)	patients	who may	/ clinically de	eteriorate	e? <i>(Select</i>
			Yes	No	Unsure
a. A graded response strategy (e.g., a modified early response team) to identify patients at risk of clinic			oid $\square_{\scriptscriptstyle 1}$		$\square_3$
b. <u>Guidelines directing escalation of care</u> when patie deteriorate	nts clinica	ally			
c. Round-the-clock, in-house availability of a board celigible physician to evaluate deteriorating patient		oard			

9.	Does your hospital have protocols in place to ensu	ure the follow	wing? (Sel	ect a resp	onse	for eac	h row)
					Yes	No	Unsure
	a. Urgent availability of blood products (e.g., mas	sive transfus	ion proto	col)			
	b. Response of qualified individuals (i.e., anesther surgery, and/or critical care) to establish <u>airwarespiratory</u> distress (e.g., code airway team)						
	c. Risk factor based <u>DVT/PE prevention</u> (e.g., thro	ombosis risk a	assessmer	nt tool)			
1(	D. Does your hospital have the following establishe	nd for urgent	or emerg	ent oner	ations (	) (Salar	rt a
10	response for each row)	d for digent	or emerg	ent opera			
					Yes	No	Unsure
	a. A <u>tiered system</u> to ensure that urgent/emerger timely manner	nt operations	s are start	ed in a			
	b. Guidelines for <u>deferral of elective operations</u> to urgent/emergent operations	o give adequ	ate priori	ty to			$\square_3$
	c. A protocol for urgent/emergent reversal of cor	nmon antico	agulant d	rugs			
	d. A process to ensure that patients found to hav follow-up according to National Comprehensiv						
	e. A process to ensure that patients in septic shoot the <u>Surviving Sepsis Campaign</u> guidelines	ck receive ca	re accordi	ng to			
11	. Does your hospital ever <u>lack</u> round-the-clock <b>(24)</b>	<b>/7/365)</b> eme	rgency ge	neral sur	gery co	overag	e?
	$\square_1$ Yes $\square_2$ No If <i>No</i> , go to #14 on Page 4						
12	. Approximately how often does your hospital <u>lack</u> provide your <u>best estimate</u> in the space below)	emergency (	general su	irgery co	verage	? (Plea	ise
	%						
13	. How frequent are the following reasons for <u>lacking</u>	<b>1g</b> coverage?	(Select a	response	for ed	ich rou	<i>')</i>
		Always	Often	Sometime	s Ra	rely —	Never
	a. Lack of general surgery coverage					$\Box_{\scriptscriptstyle 4}$	
	b. Lack of anesthesia coverage					$\beth_{_4}$	
	c. Lack of OR staff					$\beth_{_4}$	
	d. Emergency room is on diversion			$\square_3$		$\beth_{_4}$	
	e Other (nlease specify)	П.	П.		Γ	٦.	$\square$ .

#### **Emergency General Surgery Workforce**

The following questions pertain to the surgeons who cover <u>new</u> emergency department or inpatient consults for <u>patients</u> with suspected general surgery emergencies (e.g., appendicitis, perforated viscus, necrotizing fasciitis), sometimes referred to as "unassigned patients." <u>Do not include</u> surgeons who provide emergency coverage for their own, or their partners', existing patients in your responses.

14. How many surgeons participate in emergency general surgery coverage at your hospital?
surgeons
15. Of the surgeons who participate in emergency general surgery coverage at your hospital, how many fall into the following categories?
a. Female surgeons
b. Surgeons over 65 years of age
c. Surgeons who finished training within the last 3 years
16. What is the <b>primary employment model</b> of the surgeons who cover emergency general surgery at your hospital? (Select all that apply and indicate the number of surgeons for each model)
$\square_{\scriptscriptstyle 1}$ Hospital Employed (N =)
$\square_2$ Academic/University Practice (N =)
$\square_3$ Private Practice (N =)
$\square_{\scriptscriptstyle 4}$ City/County/Federal Government Employed (N =)
$\square_{5}$ Locum Tenens (N =)
$\square_6$ Other (please specify) (N =)
17. Does the clinical practice of these surgeons encompass <u>other types of surgical care</u> (e.g., trauma, elective general surgery) in addition to emergency general surgery (not necessarily simultaneously)?
□₁ Yes
☐ <sub>2</sub> No If <i>No</i> , go to #19 on Page 5
18. What <u>other types of surgical care</u> do they provide? (Select all that apply and indicate the number of surgeons for each type of surgical care)
$\square_1$ Trauma (N =)
$\square_2$ Burns (N =)
$\square_3$ Surgical Critical Care (N =)
$\square_4$ Elective General Surgery (N =)
$\square_{s} \text{ Other (please specify)} \qquad (N = 1)$

19. Do these surgeons have <u>non-clinical roles</u> (e.g., research, administration) in addition to their clinical roles (not necessarily simultaneously)?
□₁ Yes
□ <sub>2</sub> No If <i>No</i> , go to #22
20. What non-clinical roles do they have? (Select all that apply and indicate the number of surgeons for each non-clinical role)
$\square_1$ Surgical Education (e.g., program director; curriculum development) (N =)
$\square_2$ Research (e.g., basic science research; clinical trials; outcomes research) (N =)
$\square_3$ Community Outreach/Public Health (e.g., EMS lectures; international work) (N =)
$\square_{4}$ Administration (e.g., chief medical officer; head of practice plan; chairperson) (N =)
$\square_{\scriptscriptstyle{5}}$ Other (please specify) (N =)
21. Do any of these surgeons specifically conduct <b>emergency general surgery research</b> ?
□ ₁ Yes
□₂ No
22. Do any of these surgeons have <u>additional subspecialty training</u> beyond general surgery?
□ ₁ Yes
☐ <sub>2</sub> No If <i>No</i> , go to #24 on Page 6
22. What additional subspecialty training do they have? (Coloct all that much and indicate the growth of
23. What additional subspecialty training do they have? (Select all that apply and indicate the number of surgeons with each subspecialty training)
$\square_1$ Acute Care Surgery (N =)
$\square_1$ Acute Care Surgery (N =) $\square_2$ Burn Surgery (N =)
$\square_2$ Burn Surgical Critical Care (N =)
$\square_3$ Surgical Critical Care (N =) $\square_4$ Trauma Surgery (N =)
$\square_4$ Tradina Surgery (N =) $\square_5$ Breast Surgery (N =)
$\square_6$ Colorectal Surgery (N =)
$\square_6$ Colorectal Surgery (N =) $\square_7$ Endocrine Surgery (N =)
$\square_{3}$ Hepatobiliary Surgery (N =)
$\square_{8}$ Hepatobiliary Surgery (N =) $\square_{9}$ Minimally Invasive Surgery (N =)
$\square_9$ Willimally invasive Surgery (N =) $\square_{10}$ Thoracic Surgery (N =)
$\square_{10} \text{ Thoracic Surgery (N =)}$ $\square_{11} \text{ Surgical Oncology (N =)}$
$\square_{12}$ Vascular Surgery (N =)
12 Vascular Surgery (IV

your hospital? (Select all that apply and indicate the number of surgeons with each certificate)
$\square_1$ American Board of Surgery Certified/Eligible in Surgery (N =)
$\square_2$ American Osteopathic Board of Surgery Certified/Eligible in Surgery (N =)
$\square_3$ American Board of Surgery Certified/Eligible in Surgical Critical Care (N =)
$\square_4$ Other (please specify) (N =)
25. Do any of the surgeons who cover emergency general surgery have <u>additional degrees</u> beyond their medical degree (e.g., MD, DO, MBBS)?
□₁ Yes
☐₂ No If <i>No</i> , go to #27
26. What additional degrees do they have? (Select all that apply and indicate the number of surgeons with each degree)
$\square_{\scriptscriptstyle 1}$ Masters of Public Health, MPH (N =)
$\square_2$ Masters of Business Administration, MBA (N =)
$\square_3$ Masters of Healthcare Administration, MHA (N =)
$\square_4$ Masters of Education, MSEd (N =)
$\square_{5}$ Masters of Science, MS (N =)
$\square_{\rm 6}$ Doctorate, PhD (N =)
$\square_7$ Other (please specify) (N =)
$\square_7$ Other (please specify) (N =)
Other (please specify) (N =)  Emergency General Surgery Coverage
$\square_7$ Other (please specify) (N =)
Other (please specify) (N =)  Emergency General Surgery Coverage
<ul> <li>Cother (please specify)</li></ul>
<ul> <li>Other (please specify)</li></ul>
<ul> <li>Cother (please specify)</li></ul>
Emergency General Surgery Coverage  The following questions pertain to how surgeons cover emergency general surgery at your hospital.  27. Does the surgeon covering emergency general surgery receive compensation for uninsured patient encounters resulting from emergency general surgery coverage?  \[ \begin{align*} \process{1} \text{1} \text{Yes} \\ \process{2} \text{No} \end{align*}  No  28. Which of the following statements \(BEST\) describes how your hospital designates surgeons for daytime emergency general surgery coverage? (Select one response only)  The surgeon covering emergency general surgery during the daytime is
<ul> <li>☐<sub>7</sub> Other (please specify)</li></ul>
Emergency General Surgery Coverage  The following questions pertain to how surgeons cover emergency general surgery at your hospital.  27. Does the surgeon covering emergency general surgery receive compensation for uninsured patient encounters resulting from emergency general surgery coverage?  \[ \begin{align*} \process{1} \text{1} \text{Yes} \\ \process{2} \text{No} \end{align*}  No  28. Which of the following statements \(BEST\) describes how your hospital designates surgeons for daytime emergency general surgery coverage? (Select one response only)  The surgeon covering emergency general surgery during the daytime is
Emergency General Surgery Coverage  The following questions pertain to how surgeons cover emergency general surgery at your hospital.  27. Does the surgeon covering emergency general surgery receive compensation for uninsured patient encounters resulting from emergency general surgery coverage?  1 Yes 2 No  28. Which of the following statements BEST describes how your hospital designates surgeons for daytime emergency general surgery coverage? (Select one response only)  The surgeon covering emergency general surgery during the daytime is  1 "On-service" (i.e., covering emergency general surgery for 2 or more consecutive days)

20	What is the duration of the assigned daytime "on-service	co" nori	042 (50/0	ct one recn	anca anl	<b>,</b> 1
29.	<u>_</u>	<u>ce</u> pen	our (sele	ct <u>one</u> resp	onse om	y)
	☐ 5 day week (e.g., Mon-Fri)					
	☐ 2 7 day week (e.g., Mon-Sun; Sun-Sat)					
	☐ 3 1 month (e.g., 28 days, calendar month)					
	☐ <sub>4</sub> Other (please specify)					
30.	Is the surgeon assigned to <b>daytime</b> emergency general s	surgery	coverage	freed of o	ffice or c	ther
	<u>clinical responsibilities</u> not related to emergency gener	al surge	ry during	the day?		
	□₁Yes					
	$\square_2$ No					
24						
	How frequently would the surgeon assigned to <b>daytime</b> slinical assistance from the following? (Select a response			erai surgery	/ coverag	ge receive
	Alw	ays	Often S	ometimes	Rarely	Never
	a. Mid-level practitioner(s) (e.g., NP, PA)	],		<b></b> 3	$\square_{_4}$	$\square_{5}$
	b. Surgical resident(s)	],		$\square_3$	$\square_{\scriptscriptstyle 4}$	$\square_{5}$
	c. Medical student(s)	],		$\square_3$	$\square_{_4}$	
	How frequently would the surgeon assigned to <b>overnigl</b> he following? (Select a response for each row)	<u>nt</u> emer	gency ge	neral surge	ry covera	age do
		Always	Often	Sometimes	Rarely	Never
	a. Earn a <u>stipend</u> (beyond billing for services rendered) for covering emergency general surgery			$\square_3$	$\square_{_4}$	
	b. Cover emergency general surgery at <u>2 or more</u> hospitals			$\square_3$	$\square_{_4}$	$\square_{5}$
	c. Provide <u>in-house</u> emergency general surgery coverage					
	d. Cover trauma at the same time as emergency general surgery					
	e. Cover one or more <u>intensive care units</u> at the same time as emergency general surgery					
	f. Be freed of patient care responsibilities the following day				$\square_{_4}$	$\square_{5}$
	g. Transfer care of a patient who does NOT undergo operation overnight to a <u>sub-specialty</u> surgeon (e.g., bleeding gastric tumor to surgical oncologist)				$\square_4$	
	h. Transfer care of a patient who does NOT undergo operation overnight to a medical hospitalist				$\square_{_4}$	

33. How frequently would the surgeon who performed an emergency general surgery <b>operation</b> while covering <b>overnight</b> do the following? (Select a response for each row)								
	Alwa	ys Often	Sometimes	Rarely	Never			
a. Transfer day to day management to a n hospitalist or PCP	nedical $\Box$	<sub>1</sub>		$\square_{_4}$	<b>□</b> ₅			
b. Round on the patient until discharge		1 <b></b>			$\square_{5}$			
c. See the patient in <u>follow-up clinic</u>		1						
d. Admit the patient to him/herself for a particular discharge complication requiring admissions.		1	$\square_3$		$\square_{5}$			
e. Transfer post-discharge care of the pat sub-specialty surgeon (e.g., Hartmann's procedure to colorectal surgeon)		<sub>1</sub>						
34. How frequently would the surgeon assigned to <u>overnight</u> emergency general surgery coverage receive <u>clinical assistance</u> from the following? (Select a response for each row)								
	Always	Often	Sometimes	Rarely	Never			
a. Mid-level practitioner(s) (e.g., NP, PA)								
b. Surgical resident(s)			$\square_3$	$\square_{_4}$				
c. Medical student(s)				$\square_{\scriptscriptstyle 4}$				
Emergency General Surgery Infrastruc	ture							
The following questions pertain to your hospit patients.		ure for eme	rgency genei	ral surgery	/			
35. Does your hospital designate daytime open unscheduled emergency general surgery of	_		ime) for prev	riously				
$\square_1$ Yes $\square_2$ No If <i>No</i> , go to #37	<del>_</del>							
36. Approximately how many days a week do emergency general surgery cases (add-on o	•	· · · · · · · · · · · · · · · · · · ·		time for				
<1 day 1 day 2 days 3 days $\square_1 \qquad \square_2 \qquad \square_3 \qquad \square_4$	4 days	5 days	>5 days					
37. Does your hospital employ a <b>Program Ma</b> emergency general surgery patients?	nager to overs	ee quality a	nd delivery o	of care to				
☐₁ Yes ☐₃ No If No. go to #39 on Page 9								

38. Is the Program Manager simultaneously responsible for any of the following? (Select all that apply)
$\square$ Quality and delivery of care to <u>trauma</u> patients
$\square_{\scriptscriptstyle 2}$ Quality and delivery of care to <u>elective general surgery</u> patients
$\square_{\scriptscriptstyle 3}$ Other (please specify)
39. Which of the following <i>BEST</i> describes how the <u>clinical service</u> or <u>census</u> of emergency general surgery patients is organized? ( <i>Select one response only</i> )
Emergency general surgery patients are cared for on
$\square_{1}$ Their own service/census
$\square_2$ A combined service/census with elective general surgery patients
$\square_{\scriptscriptstyle 3}$ A combined service/census with trauma patients
$\square_{\scriptscriptstyle 4}$ A combined service/census with elective general surgery and trauma patients
lacksquare 5 Other (please specify)
40. Where do emergency general surgery patients who are <b>not critically ill</b> typically receive care? (Select <u>one</u> response only)
$\square_{\scriptscriptstyle 1}$ An assigned ward/floor
$\square_{\scriptscriptstyle 2}$ A ward/floor with other surgical patients
$\square_{\scriptscriptstyle 3}$ A ward/floor with medical patients
$lue{lue}_{\scriptscriptstyle 4}$ Other (please specify)
41. Where do <u>critically ill</u> emergency general surgery patients <i>typically</i> receive care? ( <i>Select</i> <u>one</u> response only)
□₁ A Surgical ICU
□₂ A Trauma ICU
☐₃ A combined Trauma/Surgical ICU
□₄ A combined Medical/Surgical ICU
□₅ A Medical ICU
$\square_{\scriptscriptstyle{6}}$ Other (please specify)
42. Who manages critical care issues (e.g., ventilator management, glycemic control, septic shock) for emergency general surgery patients in this ICU? (Select all that apply)
$\square_{\scriptscriptstyle 1}$ The operating surgeon or a surgical colleague (i.e., "open" ICU)
$\square_2$ A surgical critical care intensivist
$\square_{\scriptscriptstyle 3}$ An anesthesia critical care intensivist
$\square_{_4}$ A pulmonary critical care intensivist
$\square_{\scriptscriptstyle{5}}$ Other (please specify)

43.	receive emergency general surges send and receive)	_				
			Yes	No No		
	a. Formal agreement(s) to SEND	patients		1		
	b. Formal agreement(s) to RECE	IVE patients		1		
6	Regardless of formal transfer ag emergency general surgery patie Please provide your <u>best estimat</u>	nt volume is	transferred t	to/from anothe	hospital <u>eac</u>	h month?
	a. Transferred IN9	6				
	b. Transferred OUT	6				
Em	nergency General Surgery Pi	rocesses				
	e following questions pertain to p spital.	rocesses of c	are for emer	gency general s	urgery patien	ts at your
	<ul> <li>Does your hospital have <u>face-tomorphical</u> face-tomorphical f</li></ul>				· · ·	
		Yes	No			
	a. Morning	$\square_{\scriptscriptstyle 1}$		If you answered		_
	b. Evening			and Evening, g	o to #49 on P	age 11
46	. What <b>patients</b> are typically <b>disc</b>	cussed at the	se hand-off	meetings? (Selec	ct all that app	ly in each row)
				Discussed at Morning Signout	Discussed at Evening Signout	Not Discussed at Morning or Evening Signout
	a. All patients on the emergency service/census	general surg	gery			
	b. New emergency general surg	ery patients o	only			
	c. Emergency general surgery pa	atients in the	ICU			$\square_3$
	d. Emergency general surgery pa deterioration	atients at risk	c for clinical			
	e. Other patients (e.g., trauma,	elective gene	eral surgery)	Π.	П.	Π.

47. Which physicians typically attend these hand-off meetings? (Select all that apply in each row)							
	Attends Morning Signout	Attends Evening Signout	Does NOT Attend Morning or Evening Signout				
a. Incoming surgeon who will be covering emergency general surgery							
<ul> <li>b. Outgoing surgeon who was covering emergency general surgery</li> </ul>							
c. Other surgeons not covering emergency general surgery that day							
d. Other physician(s) (e.g., physiatry, geriatrics, psychiatry)							
e. Incoming residents							
f. Outgoing residents	$\square_{\scriptscriptstyle 1}$						
48. Which other staff typically attend these hand-off meetings?	? (Select all th	nat apply in	each row)				
	Attends Morning Signout	Attends Evening Signout	Does NOT Attend Morning or Evening Signout				
a. Mid-level practitioners (e.g., NP, PA)							
b. ICU nursing staff							
c. Ward/floor nursing staff							
d. Social services staff (e.g., social worker, case-manager)							
e. Therapy staff (e.g., physical or occupational therapists)							
f. Program Manager							
g. Medical students							
h. Other (please specify)							
49. In situations where your hospital does not conduct face-to-fa BEST describes how handoffs typically occur for emergency go response only)			_				
Surgeons hand-off care of emergency general surgery patie	ents by						
☐ Telephoning the covering surgeon							
Leaving a printed patient list for the covering surgeon							
☐ Sending an email to the covering surgeon							
$\square_4$ Not applicable (i.e., all handoffs occur face to face)							
$ldsymbol{\sqcup}_{\scriptscriptstyle{5}}$ Other (please specify)							

50. Does your hospital conduct a <i>dedicated</i> emergency general surgery <b>morbidity &amp; mortality</b> review?
$\square_1$ Yes If Yes, go to #52 $\square_2$ No
51. If your hospital does not conduct a dedicated emergency general surgery M&M, which of the following <i>BEST</i> describes where emergency general surgery patient morbidity and mortality is discussed? (Select one response only)
The morbidity and mortality of emergency general surgery patients is discussed
$oxdot_{\scriptscriptstyle 1}$ At the departmental morbidity and mortality conference
$oxdot_{\scriptscriptstyle 2}$ At the hospital-wide morbidity and mortality conference
$\square_3$ As needed when issues arise (e.g., sentinel event review, root cause analysis) $\square_4$ Other (please specify)
52. How frequently is this morbidity & mortality meeting conducted? (Select one response only)
$\square_{\scriptscriptstyle 1}$ Weekly
$\square_{\scriptscriptstyle 2}$ Monthly
$\square_{\scriptscriptstyle 3}$ Quarterly
$\square_{\scriptscriptstyle 4}$ Other (please specify)
53. Which <b>physicians</b> typically attend this morbidity & mortality meeting? (Select all that apply)
$oxdot_{\scriptscriptstyle 1}$ Surgeons who participate in emergency general surgery coverage at your hospital
$\square_{\scriptscriptstyle 2}$ Surgeon(s) from other subspecialties (e.g., colorectal, vascular, transplant)
$\square_{\scriptscriptstyle 3}$ Anesthesiologist(s) (who typically staff the OR)
$\square_{\scriptscriptstyle 4}$ Radiologist(s)
$\square_{\scriptscriptstyle 5}$ Intensivist(s) (from surgery, anesthesia, or pulmonary critical care)
$\square_{\scriptscriptstyle 6}$ Other physician(s) (e.g., physiatry, geriatrics, psychiatry)
54. Which other staff typically attend this morbidity & mortality meeting? (Select all that apply)
$oxedsymbol{\square}_{\scriptscriptstyle 1}$ Mid-level practitioners
☐₂ Program Manager
$\square_{\scriptscriptstyle 3}$ ICU nursing staff
$\square_{\scriptscriptstyle 4}$ Ward nursing staff
□ <sub>s</sub> Social services staff (e.g., social worker, case-manager)
☐ Therapy staff (e.g., physical or occupational therapists)
$\square_7$ Other (please specify)

	<ol> <li>Has your hospital established the following emergency general surgery processes? (Selectors)</li> </ol>	ct a		
		Yes	No	
	a. A <u>prospective registry</u> of emergency general surgery patients			
	b. An <u>activation system</u> (similar to trauma activations, e.g., Trauma STAT page; Level 1 Trauma) for unstable emergency general surgery patients who present to the ER			
	c. A protocol for identifying patients requiring <u>ICU admission</u> (e.g., due to hemodynamic lability or co-morbidities) after emergency general surgery operations			
	d. An <u>outpatient follow-up clinic</u> specifically for emergency general surgery patients			
56	5. Does your hospital <b>monitor</b> the following measures? (Select a response for each row)			
		Yes	No	
	a. Time to <u>initial evaluation</u> by the surgeon covering emergency general surgery after ER consultation			
	b. Time to source control after diagnosis of an intra-abdominal or soft-tissue infection (e.g., resection of organ causing peritoneal contamination; fascial debridement)			
	c. Time to start of operation after booking an emergent general surgery case			
57. Does your hospital audit the following <u>unplanned events</u> ? (Select a response for each row)				
		Yes	No	
	a. Return to the operating room during the index hospitalization after initial emergency general surgery operation			
	b. <u>Transfer</u> of emergency general surgery patients <u>back to an intensive care unit</u> within 48 hours of discharge to the ward			
	c. Hospital <u>re-admission within 30 days</u> of discharge after an emergency general surgery <u>operation</u>			
	d. Return to the operating room within 30 days after an emergency general surgery operation (even if previously discharged)			
	e. Hospital <u>re-admission within 30 days</u> of discharge after a general surgery emergency that was <u>managed non-operatively</u>			
	f. Need for operation within 30 days of discharge after a general surgery emergency that was managed non-operatively			

58. For each clinical scenario below, who would typically manage the patient at your hospital? Assume the patient initially presented to the emergency room. (Select a response for each row) Sub-specialty Patient Surgeon Surgeon surgeon Nontypically transferred covering colorectal, surgeon who emergency operated hospitalist from ER to gyn, ortho, general on the urology, PRS internist, higher level patient thoracic, onc, GI, ID, etc. of care after surgery stabilization bariatric, etc. a. 45yo morbidly obese diabetic male  $\square_1$ with Fournier's gangrene b. 60yo female 1 week s/p open  $\square$  $\square$  $\Box$ . abdominal hysterectomy with fascial dehiscence c. 50yo male s/p screening colonoscopy with peritonitis d. 32yo male 1 week s/p routine appendectomy with RLQ abscess e. 37yo female 2 years s/p Roux-en-Y  $\square_1$ gastric bypass with internal hernia f. 90yo female nursing home resident  $\square_1$ with sigmoid volvulus g. 23yo female IV drug user with necrotizing soft tissue infection of  $\square$  $\square$  $\square$ . her right forearm proximal to the wrist h. 71yo male with esophageal perforation due to Boerhaave's  $\square_{\scriptscriptstyle 1}$  $\square$ syndrome i. 40yo female 2 weeks s/p routine  $\square_1$  $\bigsqcup_{\varsigma}$ cholecystectomy with bile leak 59. Which statement BEST describes your hospital? (Select one response only) My hospital's overall approach to emergency general surgery is...  $\square_1$  A dedicated clinical team whose scope encompasses emergency general surgery (+/-trauma, +/- elective general surgery, +/- burns) ☐ A traditional approach with an ad hoc "general surgeon on call" schedule..... Go to Page 16

□3 Other (please specify) \_\_\_\_\_..... Go to Page 16

60. What do you call this dedicated emergency general surgery team (e.g., acute care surgery, emergency general surgery, surgical hospitalist)?							
Name of team							
61. How is oversight of this dedicated clinical team structured? (Select one response only)							
$\square_{\scriptscriptstyle 1}$ Within a division of our department of surgery							
☐₂ Within a section of our division of general surgery							
$\square_3$ Within a section of our division of trauma and critical care							
lacksquare Other (please specify)							
62. In what year was this dedicated emergency general surgery team <i>fully</i> implemented?							
Year If 2015, Please fill in the month it was started here:							
63. Does this team employ <u>mid-level practitioners</u> (e.g., NP, PA)?							
☐ <sub>1</sub> Yes ☐ <sub>2</sub> No If <i>No</i> , go to #65							
64. What are the degree pathways of these mid-level practitioners? (Select all that apply and indicate the number of practitioners on the team with each degree)							
$\square_1$ Nurse Practitioner, NP/APRN/DNP (N =)							
☐₂ Physician Assistant, PA (N =)							
$\square_3$ Other (N =)							
65. Do <u>surgical trainees</u> <i>typically</i> rotate on this team?							
$\square_{_1}$ Yes							
□₂ No If <i>No</i> , go to Page 16							
66. What are the <b>post-graduate training levels</b> of these surgical trainees? (Select all that apply and indicate the number of trainees on the team for each post-graduate level)							
$\square_1$ PGY-1, intern (N =)							
$\square_2$ PGY-2, junior resident (N =)							
☐ PGY-3, mid-level resident (N =)							
$\square_4$ PGY-4, senior resident (N =)							
$\square_5$ PGY-5, chief resident (N =)							

# Thank you for completing the survey. Please return it in the postage-paid envelope. We are grateful for your time and thoughtful responses.

67	67. Do you wish to receive a summary of the survey results?								
	☐ 1 Yes If <i>Yes</i> , Please fill in your email here:								
68. If you have any other comments regarding our survey content or about emergency surgery coverage in general, please use the space below to share them with us.									

