## ATTACHMENT B: ED PROFESSIONALS SURVEY

SU\_ID:

Some text

#### **GENERAL INSTRUCTIONS**

Answer all the questions by checking the box to the left of your answer. You are sometimes told to skip over some questions in this survey. When this happens you will see an arrow with a note that tells you what question to answer next, like this:

- 1 ☐ Yes → Go to Question 2
- 2 No.

Public reporting burden for this collection of information is estimated to average 20 minutes per response, the estimated time required to complete the survey. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: AHRQ Reports Clearance Officer Attention: PRA, Paperwork Reduction Project (0935-XXXX) AHRQ, 540 Gaither Road, Room # 5036, Rockville, MD 20850

# **ED Professionals Survey**

#### Is your facility a Critical Access Hospital? **SECTION I: BACKGROUND** ¹ ☐ Yes 2 NO 1a. Do you work for a hospital? ¹ ☐ Yes 6. Is your ED staffed 24 hours per day/ seven <sup>2</sup> □ No → [SKIP TO SECTION IV] days per week? ¹ ☐ Yes 1b. Do you work for an emergency department 2 No. (ED)? ¹ ☐ Yes 7. What is the market served by your ED? 2 | No. (Check all that apply.) Please check rural if more than 10% of Is this hospital associated with a medical your ED visits/yr are from patients living in school? rural areas. Please check suburban if more 1 Yes than 10% of your ED visits/yr are from patients living in suburban areas. Please 2 NO check urban if more than 10% of your ED visits/yr are from patients living in urban Is this hospital part of a multi-hospital areas. corporation? 1 Rural 1 Yes <sup>2</sup> Suburban 2 No 3 Urban What type of hospital do you work for? 4. 8. Which of the following best describes your 1 Government-owned facility job in the hospital? (owned by the federal government □ Emergency Department Nurse Manager or a state, county, or municipal <sup>2</sup> Emergency Department Medical Director government) <sup>2</sup> Privately-owned/ nonprofit facility 3 Emergency Department Director of Nursing 3 ☐ Investor-owned/ for-profit facility <sup>4</sup> ☐ Nurse Educator <sup>5</sup> Emergency Physician <sup>6</sup> Emergency Nurse <sup>7</sup> Emergency Technician 8 Medical Assistant 9 Administrative/ Clerical Staff 10 Resident 11 ☐ Other (please specify):

9.	What was the ED's annual number of patient visits in 2007?	11a. Are you aware of the Emergency Severity Index (ESI) 5-level triage methodology?
	1 ☐ 5,000 visits	1 ☐ Yes → Go to Question 11b
	<sup>2</sup> 5,000 – 24,9999 visits	<sup>2</sup> No
	<sup>3</sup> ☐ 25,000 – 49,999 visits	
	<sup>4</sup> □ 50,000 – 99,999 visits	11b. How did you first become aware of the
	5 ☐ 100,000 – 499,999 visits	ESI?
	6 ☐ 500,000 − 1,000,000 visits	Agency for Healthcare Research and Quality (AHRQ) website
10.	How frequently are patients "boarded" in	<sup>2</sup> AHRQ, other than the website
	your ED for more than four (4) hours?	<sup>3</sup> ☐ Emergency medical conference
		4 Professional conference other than
	The Institute of Medicine defines "boarding" as	for emergency medicine
	the practice of holding patients in the ED who need to be admitted to the hospital because	5 Used in my ED
	an inpatient bed is not available.	<sup>6</sup> ☐ Published literature
		7 Medical school coursework
	5 Very Frequently	8 Word of mouth
	Frequently     Sometimes	<sup>9</sup> ☐ Other <i>(please specify)</i> :
	2 ☐ Rarely	
	¹ ∐ Very Rarely	
	○ □ N/A	
		12. Does your emergency department use the ESI as its primary emergency department triage tool for every day use (non-catastrophic situations)?  ¹ □ Yes → [IF YES, USERS COMPLETE SECTION III]  ² □ No → [IF NO, NONUSERS COMPLETE SECTION III]

### **SECTION II. USERS OF ESI**

		owing questions are about the use of in your ED.	f	eme	rgency del	partment	e system d use? non-emerg	, i
1.	pri  1	w long has your ED used ESI as the mary triage tool? <ul> <li>&lt; 3 months</li> <li>3 - 6 months</li> <li>6 months to 1 year</li> <li>1 to 2 years</li> <li>2 to 3 years</li> <li>3 to 5 years</li> <li>More than 5 years</li> <li>Other (please specify)</li> </ul> <li>Don't know</li>		2	3 levels – 0 4 levels – 1 urgent, nor 5 levels – 1 urgent, nor Other (plea	emergent, life threate nurgent resuscitation nurgent, re ase specify  ose(s) is a n your ED	urgent, non ning, emergent, emergent, emerge eferred (/)	nurgent gent, ent,
2.	add a c pla	res your ED use other tools for triage dition to the ESI (for example, as part community-wide catastrophe responsion)?  ☐ Yes ☐ No → [SKIP TO QUESTION 5]	t of					
5.		nat aspects of the ESI were most influage algorithm? Please select ALL that		helping y	our ED to	choose th	e ESI as th	ne primary
			Most important	important	Somewhat important	Not important	Least important	Don't know
	a.	Ease of use	5 🔲	4	3 🔲	2	1 🔲	0 🔲
	b.	Ability to sort patients clinically	5 🔲	4	3 🔲	2	1 🔲	0 🔲
	c.	Ability to predict ED resource demand	5 🔲	4	3 🔲	2	1 🔲	0 🔲
	d.	Ability to plan staffing levels	5 🔲	4 🔲	3 🔲	2	1 🔲	0 🔲
	e.	Ability to facilitate patient flow	5 🔲	4 🔲	3 🔲	2	1 🔲	0 🔲
	f.	Effectiveness in every day surge planning	5	4 🔲	3 🔲	2	1 🗌	0 🔲
	g.	Other (please specify)	5 🗌	4	3 🔲	2	1 🗌	0 🔲

6.		ted in ord	all, did the er for it to				e interested in how the ESI compares to triage tools.
						d	That triage system did your emergency epartment use prior to implementing the SI? Please select one answer.
<ul><li>7.</li><li>8.</li></ul>	5 Very 4 Satis 3 Som 2 Not i 1 Not a  We are in ESI has it surge pla	satisfied sfied sewhat satisfied really satisfied at all satisfied atterested mproved anning an se rate ea	fied  in the exte emergenc d preparat ch of the fo	ent to which y services ions in yo	ch the s, and	2 3 4 5 6	urgent, nonurgent  5 levels – Australasian Triage Scale (ATS) formerly National Triage Scale of Australia – resuscitation, emergent, urgent, semi-urgent, nonurgent  5 levels – Manchester – immediate, very urgent, urgent, standard, nonurgent  5 levels – Canadian Triage and Acuity Scale (CTAS) – resuscitation, emergent, urgent, less urgent, nonurgent  5 levels – Other triage system/Don't know the name of the triage system
	Strongly improved 5	Improved 4	Somewhat improved 3	Did not improve	Don't know 1	9	☐ Other (please specify) ☐ Don't know ☐ My ED did not have a formal triage
	b. Surge	Planning	and Prepa	arations			system in place prior to the ESI
	Strongly improved 5	Improved 4	Somewhat improved  3	Did not improve  2	Don't know  1	5) fa 1 2 3 4 4 5 5 6 7	o you have familiarity with other triage ystems? Select the ONE that you are most amiliar with.  2 levels – emergent, non-emergent 3 levels – emergent, urgent, nonurgent 4 levels – life threatening, emergent, urgent, nonurgent 5 levels – Australasian Triage Scale (ATS) formerly National Triage Scale of Australia – resuscitation, emergent, urgent, semi-urgent, nonurgent 5 levels – Manchester – immediate, very urgent, urgent, standard, nonurgent 5 levels – Canadian Triage and Acuity Scale (CTAS) – resuscitation, emergent, urgent, less urgent, nonurgent 5 levels – Other triage system/Don't know the name of the triage system Other (please specify)  None of the above [SKIP TO QUESTION 12]

11.	1. For each characteristic, please rate whether you feel that the ESI is a better or worse tool for every day use (non-catastrophic situations) when compared to the other ED triage system that you are most familiar with.										
			ESI is Much Better than other tool	ESI is Better than other tool	ESI is About the Same As other tool	ESI is Worse than other tool	ESI is Much Worse than other tool	Don't Know			
	a.	Ease of implementation	5	4 🔲	3	2	1 🔲	o 🔲			
	b.	Ease of use	5 🔲	4	3 🔲	2	1 🔲	0			
	c.	Sorting patients clinically	5 🗌	4	3 🔲	2	1 🔲	0			
	d.	Predicting ED resource demand	5	4	3	2	1 🔲	0			
	e.	Planning staffing levels	5	4	3 🔲	2	1 🔲	0			
	f.	Facilitating patient flow in the ED	5	4	3	2	1 🔲	0			
	g.	Planning for every day surges	5	4	3	2	1 🔲	0			
	h.	Overall effectiveness	5 🔲	4	3 🔲	2	1 🔲	0			
	i.	Other (please specify):	5 🔲	4	3 🔲	2	1 🔲	0			
		lowing questions are about the E panying booklet according to the			Please rat	e the ESI t	raining DVD	s and			
12.	Dic	d you receive the ESI training ma	aterials?								
		Yes									
	2	No									
13.		ve you viewed the ESI training D	VDs?								
		☐ Yes ☐ No									
14.	На	ve you read the ESI handbook?									
	_	Yes									
	2	No									

15.	Please rate the ESI handbook according	ng to the fo	ollowing c	ategories.			
		Excellent	Good	Moderate	Poor	Very poor	Don't know
	a. Production Quality	5 🗌	4	3 🔲	2	1 🔲	0 🔲
	<b>b.</b> Format	5 🗌	4 🔲	3 🔲	2	1 🔲	0 🔲
	c. Organization	5 🗌	4 🔲	3 🔲	2	1 🔲	0
	d. Readability	5 🗌	4	3 🔲	2	1	0
	<b>e.</b> Appropriateness of the reading level	5	4	3	2	1 🔲	0
	<b>f.</b> Appropriateness for ED triaging staff	5	4	3	2	1 🔲	0
	g. Appearance	5	4	3	2	1 🔲	0
	h. Comprehensiveness	5	4	3 🔲	2	1 🗌	0 🔲
16.	Please rate the ESI DVDs according to	the follow	ing categ	ories.			
		Excellent	Good	Moderate	Poor	Very poor	Don't know
	a. Production Quality	5	4	3	2	1 🔲	0
	<b>b.</b> Format	5	4	3	2	1 🔲	0
	c. Organization	5	4	3	2	1 🔲	0
	d. Appearance	5	4	3	2 🔲	1 🔲	0
	e. Sound	5 🗌	4	3	2	1	0
	f. Ability to convey instructions	5	4	3	2	1	0 🔲
	g. Believability of the situations	5 🗌	4	3 🔲	2	1 🗌	0
	<b>h.</b> Appropriateness of the example situations	5 🔲	4 🔲	3 🔲	2	1 🔲	0 🔲
	i. Helpfulness for training ESI staff	5 🗌	4	3	2 🔲	1 🔲	0 🔲
	j. Ease of viewing on computer	5	4	3	2 🔲	1 🔲	0
	k. Ease of viewing on DVD player	5	4	3	2	1 🔲	0 🔲
	I. Comprehensiveness	5 🗌	4	3 🔲	2 🔲	1 🗌	0 🔲
17.	Please rate how effective the materials		eaching yo	ou about th Somewhat	e ESI. Not very	Not at all	Don't
		Very effective	Effective	effective	effective	effective	know
	a. ESI Handbook	5 🗌	4	3	2 🔲	1 🔲	0 🔲
	b. ESI DVDs	5	4	3	2	1 🔲	0
18.	Please rate how helpful the training main your ED.	aterials we	ere in prep	aring you t	o impleme	ent the ESI	
		Very helpful	Helpful	Somewhat helpful	Not very helpful	Not at all helpful	Don't know
	a. ESI Handbook	5 🗌	4 <u></u>	3 🔲	2 🔲	1 🔲	0 🔲
	b. ESI DVDs	5 🔲	4 🔲	3 🔲	2 🔲	1 🗆	0 🗆
	. LOI D V DO	- [					

19.	<ol><li>Please rate the ease with which the ESI was implemented in your ED.</li></ol>							How fam Healthca and its m	re Resear			
Ve	ery		Moderately	Not very	Not at all	Don't						
ea	-	Easy 4	easy 3	easy 2	easy 1	<b>know</b> 0		Very familiar	Familiar	A little familiar	Not really familiar	Not at all familiar
_	7	П						5	4	3	2	1
_	_											
20.	imple begai	ment t n plani	ely how the ESI, f ning and ementation	rom the training	time yo	u the	24.	How fam activities prepared	in surge			gency
	your	ED?						Very familiar	Familiar	A little familiar	Not really familiar	Not at all familiar
			the amou					5	4	3	2	1
	box. F	or exa	ne ESI an Imple, if it space pr	took 3 y	∕ears, ple	ase						
21.	1	Days Months Years Don't ki	to indicate	e 'years.	,		25.	the ESI n materials supporting possible provide f methodo DVDs. Y in improv	HRQ's first nethodologs. AHRQ wang materia. Please to feedback of food and food and wang and wang four commercial and uning and uning material	gy and sivants the als to be a ake this con any as or the ES pents will updating the second s	upporting ESI and as helpful opportunit spect of th I Handboo be consid	y to e ESI ok and lered
	hand	book)	he DVDs to train E									
		Yes										
	2 🗆 1	_										
	3 [	Don't k	now									
22.	and a	iccom	er mater panying l out the E	handbo								
	1 🔲 🕻	Yes										
	2 🔲 1	No										
	3 🔲 [	Don't k	now									
		other about	materials ESI?	s are us	ed to tra	in ED	Т	hank you		ГОР. ipating i	n this sur	vey.

### SECTION III. NONUSERS OF ESI

Wł	nat type of triage system does you	r ED use ev	ery day?				
	2 levels – emergent, non-emergen						
	☐ 3 levels – emergent, urgent, nonur						
-	☐ 4 levels – life threatening, emerger	~	nurgent				
	☐ 5 levels – Australasian Triage Scal	e (ATS) form	nerly Natio	onal Triage S	Scale of A	ustralia –	
Г	resuscitation, emergent, urgent, se	•	•				
	☐ 5 levels – Manchester – immediate ☐ 5 levels – Manchester – immediate		_		_		
L	5 levels – Canadian Triage and Acless urgent, nonurgent	uity Scale (C	(1AS) – re	esuscitation,	emerger	it, urgent,	
[	☐ 5 levels – Other triage system/Don	't know the r	name of th	ne triage svs	stem		
	Other (please specify)			io anago oyo			
	☐ No triage tool is used in my ED				_		
	,						
n	this question, we would like to kno	w about the	barriers	to impleme	enting E	SI in your E	D. Usin
	e scale below, please indicate the d	_		of the liste	ed items	may be bar	riers to
re	eventing the implementation of the	ESI in your	ED.				
2/6	ease rate ALL that apply and select N	/A for those	that do no	ot apply.			
		Does not		Somewhat		Strongly	
		Prevent		Prevents		prevents	N/A
		5	4	3	2	1	0
	Unfamiliar with the ESI	5	4	3	2	1 🔲	0
	Costs associated with training	5 🔲	4	3	2	1 🔲	0
	ED staff	- C	. 🗆	۰ 🗆	۰ 🗆	. $\Box$	۰. 🗆
	Fear of cultural change in the ED	5 🔲	4 🔲	3 🔲	2 🔲	1 📙	0 □
	Happy with current system	5 🔲	4 🔲	3 📗	2 🔲	1 🔲	∘□
	ESI offers no value added	5 🔲	4 🔲	3 🔲	2 🔲	1 🔲	0 🔲
	ESI is too complicated	5 📙	4 🔲	3 🔲	2 🔲	1 📙	0 🗌
-	Not convinced ESI is a better method	5 🔲	4	3 🔲	2 🔲	1 🔲	0
_	metriod						
	Not convinced it is worth the effort	5 🔲	4	3 🔲	2 🔲	1 🔲	o 🔲
	Not convinced it is worth the effort to change to ESI			_			
	Not convinced it is worth the effort to change to ESI  Afraid that there will not be widespread acceptance of ESI	5 📗	4	3 🔲	2	1 📗	0 🗆
	Not convinced it is worth the effort to change to ESI Afraid that there will not be widespread acceptance of ESI among ED staff	5 🗌	4 🔲	3 🗌	2 🔲	1	o <u> </u>
	Not convinced it is worth the effort to change to ESI  Afraid that there will not be widespread acceptance of ESI			_			

3.	Did you receive the ESI training materials?  ¹ ☐ Yes ² ☐ No	8.	activ		surge pla	with AHR anning an		ncy
4.	Please indicate whether you have reviewed		lery miliar	Familiar 4	A little familiar	Not really familiar	Not at all familiar	<b>N</b> /A
	the ESI training materials by selecting ONE of the following responses.							
	<ul> <li>□ Reviewed only the ESI handbook</li> <li>□ Reviewed only the ESI DVDs</li> </ul>	9.			-	assessme		
	<sup>3</sup> ☐ Reviewed both the ESI handbook and DVDs		mate	erials. A	HRQ wa	and supports the ES to be as	Sland	
	<sup>4</sup> ☐ Did not review either the ESI handbook or ESI DVDs		pos	sible. Pl	ease tak back on	e this opp any aspe	ortunity t	io ESI
5.	Is the reason that you did not implement the ESI in your ED because you felt that the training materials (ESI Handbook and DVDs) did not adequately prepare you to implement the ESI?		ESI You impi	DVDs or r comme roving a	on ED to	the ESI Hariaging, in the conside ing the ES	general. ered in	and
	<ul> <li>Yes</li> <li>No, the ESI was not implemented</li> </ul>							
	for other reasons  3							
	at my ED  4  Don't know							
6.	Is your organization considering using the ESI in the future?							
	1 ☐ Yes 2 ☐ No							
7.	Are you aware of the Agency for Healthcare Research and Quality (AHRQ) and its mission?				270	D		
	¹ ☐ Yes	1	hank	you for	STO particip	r. ating in tl	his surve	<b>y</b> .
	<sup>2</sup> No							

### **SECTION IV. ESI REQUESTERS** FROM A NONHOSPITAL SETTING

			of tl	he follow	ing resp	onses.		
1.	In general, what type of organization do you work for? (e.g., research, government agency, medical school, etc)		3	Reviewe Reviewe and DVI	ed only the ed both the Os review eit	e ESI hand e ESI DVD ne ESI hand ther the ES	)s dbook	ok
<b>2</b> a.	Are you aware of the Emergency Severity Index (ESI) 5-level triage methodology?   1 □ Yes 2 □ No → [SKIP TO QUESTION 4]	<b>5</b> .	1	in the fur Yes No Don't kn	ture?	Agency fo	or Health	care
2b.	How did you first become aware of the ESI?  1 Agency for Healthcare Research and Quality (AHRQ) website  2 AHRQ, other than the website	7.	2 Hov		_	with AHR		
	<ul> <li>□ Emergency medical conference</li> <li>□ Professional conference other than for emergency medicine</li> <li>□ Used in my ED</li> <li>□ Published literature</li> <li>□ Medical school coursework</li> <li>□ Word of mouth</li> <li>□ Other (please specify):</li> </ul>	fan	/ery miliar 5 This met wan be a opp asp Han gen	Familiar  4  S is AHRO chodology ats the ES as helpfu cortunity ect of the adbook ar eral. You	A little familiar  3  Q's first a y and sure sure sure sure sure sure sure sure	Not really familiar  2  assessment porting in porting i	Not at all familiar  1  nt of the laterials. materials ase take to any and/or the ED triagger considers.	N/A 0 ESI AHRQ to chis he ESI ing, in ered
3.	Why did you request the ESI training materials?	T	sup	porting r	materials STO			

4.

Please indicate whether you have reviewed

the ESI training materials by selecting ONE