

Research Compliance Combined Cover Page

Georgia Southern University

Application for Research Approval



Investigator Information:		
Name of Principal Investigator: Hayden Wimmer	9124784121	For Office Use Only: Protocol ID: _____ Date Received:
Email: hwimmer@georgiasouthern.edu <small>(Note: Georgia southern email addresses will be used for correspondence.)</small>	<input checked="" type="checkbox"/> Faculty; <input type="checkbox"/> Doctoral; <input type="checkbox"/> Specialist; <input type="checkbox"/> Masters <input type="checkbox"/> Undergraduate	
Department Name and PO Box: Dept. Of Information Technology Po Box 8150		
Name(s) of Co-Investigators: Smiljana Cuk	Phone:	
Email addresses: sc07273@georgiasouthern.edu	<input type="checkbox"/> Faculty; <input type="checkbox"/> Doctoral; <input type="checkbox"/> Specialist; <input checked="" type="checkbox"/> Masters <input type="checkbox"/> Undergraduate <small>(If multiple: identify by initial letter behind name. E.g., F for faculty)</small>	
Department Name and PO Box: Department Name and PO Box: Dept. Of Information Technology Po Box 8150		
Personnel and/or Institutions Outside of Georgia Southern University involved in this research (Attach training certification):		
Project Information: (Note: funded project titles must match grant title)		
Title: Quantative Study on EMS and Patient Care Reports		
Brief (less than 50 words) Project Summary: When emergency medical services (EMS) arrive on scene for a medical call, they have numerous things to do. Other than taking care of the patient, they need to fill out a patient care report (PCR) that they later give to the staff in the emergency department (ED), as well as call in the hospital and give basic information about the patient to the nurse. Usually it is very hard to read the PCR and the ED does not see it until EMS arrives to the hospital. Also, the nurse that information was given to over the phone might not be the same nurse waiting at the ED so the PCR needs to be repeated again. Everything combined results in data loss, time delays, and miscommunication, subsequently patient care suffers. My study will identify if a prototype electronic patient care report can alleviate issues with the paper based patient care report.		
Compliance Information:		
<i>Please indicate which of the following will be used in your research: (application may be submitted simultaneously)</i>		
<input checked="" type="checkbox"/> Human Subjects (Complete Section A: Human Subjects below)		
<input type="checkbox"/> Care and Use of Vertebrate Animals (Complete Section B: Care and Use of Vertebrate Animals below)		
<input type="checkbox"/> Biohazards (Complete Section C: Biohazards below)		
<input type="checkbox"/> Do you or any investigator on this project have a financial interest in the subjects, study outcome or project sponsor. (A disclosed conflict of interest will not preclude approval. An undisclosed conflict of interest will result in disciplinary action.)		
Project Start Date: 6/15/1/2017 End Date:6/15/2018 (no more than 1 year) Anticipated renewals <input type="checkbox"/> year 2 <input type="checkbox"/> year 3	Check one: <input checked="" type="checkbox"/> New submission <input type="checkbox"/> Resubmission # _____	
Funding Source: <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Private	<input type="checkbox"/> Internal GSU <input checked="" type="checkbox"/> Self-funded/non- funded	
Funding Agency:	<input checked="" type="checkbox"/> Not Applicable	

Section A: Human Subjects <input type="checkbox"/> Not Applicable	
Number of Subjects (Maximum) 20	Date of IRB education completion:03/2014 (attach copy of completion certificate)
<i>Purpose of Research: (Check all that apply)</i>	<i>Please indicate if the following are included in the study (Check all that apply):</i>

<input type="checkbox"/> Publication/use in thesis/dissertation <input checked="" type="checkbox"/> Publication (journal, book, etc.) <input checked="" type="checkbox"/> Poster/presentation to a scientific audience <input type="checkbox"/> Completion of a class project <input type="checkbox"/> Presentation to GSU audience only <input type="checkbox"/> Presentation in outside of GSU <input type="checkbox"/> Results will not be published <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Human Subjects Incentives <input type="checkbox"/> Informed Consent Document <input type="checkbox"/> Greater than minimal risk <input type="checkbox"/> Research Involving Minors <input type="checkbox"/> Deception <input type="checkbox"/> Generalizable knowledge (results are intended to be published) <input checked="" type="checkbox"/> Survey Research <input type="checkbox"/> At Risk Populations (prisoners, children, pregnant women, etc.) <input type="checkbox"/> Video or Audio Tapes <input type="checkbox"/> Medical Procedures, including exercise, administering drugs/dietary supplements, and other procedures
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Section B: Care and Use of Vertebrate Animals <input checked="" type="checkbox"/> Not Applicable	
<i>Purpose of use/care of animals:</i>	<i>Please indicate if the following are included in the study:</i>
<input type="checkbox"/> Research <input type="checkbox"/> Teaching <input type="checkbox"/> Demo only <input type="checkbox"/> Student participation in faculty work <input type="checkbox"/> Class Project <input type="checkbox"/> Exhibition <input type="checkbox"/> Display	<input type="checkbox"/> Physical intervention with vertebrate animals <input type="checkbox"/> Housing of vertebrate animals <input type="checkbox"/> Euthanasia of vertebrate animals <input type="checkbox"/> Use of sedation, analgesia, or anesthesia <input type="checkbox"/> Surgery <input type="checkbox"/> Farm animals for biomedical research (e.g., diseases, organs, etc.) <input type="checkbox"/> Farm animals for agricultural research (e.g., food/fiber production, etc.) <input type="checkbox"/> Observation of vertebrate animals in their natural setting

Section C: Biological Research <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Submitted Separately	
<i>Biosafety Level:</i>	<i>Please indicate if the following are included in the study:</i>
<input type="checkbox"/> Exempt <input type="checkbox"/> BSL 1 <input type="checkbox"/> BSL 2 <input type="checkbox"/> BSL 3	<input type="checkbox"/> Use of rDNA <input type="checkbox"/> Non native/invasive plant species <input type="checkbox"/> Last EHS lab safety inspection date: <u> </u> Attach Report <input type="checkbox"/> Last IBC biosafety lab inspection date: <u> </u> Attach Report

<i>Signature of Applicant(s): (PI, CoPI)</i>		<i>Date:</i>	
x 		6/16/17	
<i>If student project please complete research advisor's information below (note that advisor signature must be received before application will be reviewed.):</i>			
<i>Research Advisor's Name:</i>		<i>Advisor's E-mail:</i>	
<i>Advisor's Phone:</i>		<i>Advisor's Department:</i>	
		<i>P.O. Box:</i>	
<i>If student project - Signature of faculty member who is responsible for the student conducting research.</i>			
<i>If faculty project - Signature of department head or chair.</i>			
<i>By signing this cover page I acknowledge that I have reviewed and approved this protocol for scientific merit, rational and significance. I further acknowledge that I approve the ethical basis for the study.</i>			
<i>Signature of Committee Chair/Research Advisor (if student) Department Chair(if faculty):</i>			<i>Date:</i>
x 			6/16/17

Please submit this protocol to the Georgia Southern University Research Compliance Office, c/o The Office of Research Services & Sponsored Programs, P.O. Box 8005. The application should contain all required documents specific to the committee to which you are applying. Questions or comments can be directed to (912)478-5465 or IRB@georgiasouthern.edu Fax 912-478-0719.

For optional email submission: Save the application forms to your computer. Complete the forms and name them beginning with your last name and first initial. Email the entire submission package to IRB@georgiasouthern.edu in a single email. Original signature pages may follow by mail or fax. (Signatures located on cover page, certification of investigator responsibilities and last page of application where certifications required.)

GEORGIA SOUTHERN UNIVERSITY IRB
B2/B3 – General Inquiry Research
EXEMPT STATUS QUESTIONNAIRE

P.O. Box 8005,
Statesboro GA 30460
912-478-0843

<http://research.georgiasouthern.edu/researchintegrity/institutional-review-board/>

Please attach an IRB Cover Sheet, recruitment documents, data collection instrument and training certificates for all personnel who will handle or have access to data to this form and submit to the IRB Office.

Title of Study: Quantitative Study on EMS and Patient Care Reports

PI: Hayden Wimmer

Exemption Category B2 - Research involving the use of educational tests (cognitive, diagnostic, aptitude, achievement), survey procedures, interview procedures, or observation of public behavior, unless:

- (a) Information obtained is recorded in such a manner that the human participants can be identified, directly or through identifiers linked to the participants; and
- (b) Any disclosure of the human participants' responses outside the research could reasonably place the participants at risk of criminal or civil liability or be damaging to the participants' financial standing, employability, or reputation.

B-3 if:

- (a) The participants are elected or appointed public officials or candidates for public office.
- (b) Federal statute(s) require(s) without exception that the confidentiality of the personally identifiable information be maintained throughout the research and thereafter.

Please answer the following questions in sufficient detail for a reader unfamiliar with your project to be comfortable vouching for your protocol.

1. This exemption will not apply if any of the following are Yes.
 - Yes No Is the probability or magnitude of the harm, harassment or discomfort anticipated in the proposed research greater than that encountered ordinarily in daily life or during the performance of routine physical or psychological examinations or tests?
 - Yes No Does the project involve school children in any process other than observation of public behavior?
 - Yes No Are you a participant in classroom behavior being observed (including as classroom moderator)?
 - Yes No Are any of the potential participants prisoners or clients of the adult or juvenile justice system?
 - Yes No Does the project involve active or passive deception?
 - Yes No Could the subject matter be considered beyond local social, ethical or cultural bounds?
2. You project will include (Check all that apply):
 - Survey Interview Observation of public behavior
 - Use of educational tests (received by researcher without identifiers or with FERPA clearance in letter of cooperation from school.)
3. Briefly describe your project plan in terms of how you will gather and manage human derived data.
Data will be collected via qlatrics. No identifying information will be recorded. Data will be stored on university based systems for electronic document storage. There are no recruitment materials.
4. Describe how the data will be gathered without identifying participants in data collection directly or through codes or demographic information linked to the data.
 - a. Will online surveys be gathered using an anonymous of privacy mode that will assure IP address or email tracking will not occur (Identify the online survey service used and the security setting)? Yes
 - b. If collecting a live (classroom) or public area survey, will the surveys be collected utilizing a drop box or other blind method to allow participants to choose not to participate without alerting the researcher/moderator (Describe the process.)? Not Applicable

5. If collected data contains identifiers but presents no identified potential risk to the participants, describe how data will be controlled to assure participant privacy. (E.g., secured storage location, removal of identifiers following transcription or matching of data, private room for focus group.)
No identifiers are captured.
6. Describe the participants.
 - a. Who are the participants? Participants are EMTs that are over 18 years of age who voluntarily agree to the survey.
 - b. How you plan to access (publicly available or specify permission) and recruit the targeted subject population (attach copies of email invitation, fliers) etc? The participants will be recruited by the Co-PI who knows multiple EMTs. The Co-PI has contacts via previous employment who are EMTs and therefore will employ a snowballing technique for participant recruitment.
7. Describe how you will obtain active (signed) or passive (without signature) informed consent.
Passive. No compensation.
8. Describe how you will analyze and the format in which you will report data.
We will be analyzing the data using various statistical means. The data will be used to validate our design artifact and our research model. Data will be analyzed following appropriate qualitative means such as coding and analysis. Results will be disseminated via academic publication. Participants identify will not be disclosed to anyone other than the investigators. Data will be archived for the required number of years (7) via electronic documents stored on university systems. Data will be destroyed after the mandated 7 years.
9. Will you obtaining access to research participants or data through an external organization (E.g., public school, hospital, business including parking lot, city/county facilities, fraternity, etc.)
 Yes – letter of cooperation attached Yes – letter of cooperation pending No
(See letter of cooperation template on the GSU IRB forms website.)
10. Identify all members of the research team. Attach a copy of the training certification for all researcher team members who will have access to the data.
Hayden Wimmer, PI, Georgia Southern University
Smiljana Cuk, Co-PI, Georgia Southern University
11. Attach a copy of final questionnaire, focus group plan or interview questions.
 questionnaire focus group plan interview questions other _____
12. The subjects of this research are elected or appointed Public Officials. (B3 exemption may apply.)
 Yes, describe the public position of the subjects No
13. Confidentiality of the data collected in this study is required by federal statute. . (B3 exemption may apply.)
 Yes, identify and describe the required data security No

The information provided in this form is correct. I will seek and obtain prior written approval from the IRB for any substantive modification in the protocol, including changes in procedures, research team members, funding agencies, etc. I will not begin my research until I have received written notification of final IRB exemption. I will abide by the IRB determination of exemption applicability. I will inform the IRB of any adverse events that occur and will terminate the study in writing when complete.

Hayden Wimmer
Principal Investigator (printed)


Principal Investigator (Signature)

6/6/17
Date

For Use by IRB Office Only

B2 Exempt Status Approved _____ B3 Exempt Status Approved _____ Yes No Expedite
IRB Chair/Vice/RCO Chair _____ Date _____

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM)

COMPLETION REPORT - PART 1 OF 2 COURSEWORK REQUIREMENTS*

* NOTE: Scores on this Requirements Report reflect quiz completions at the time all requirements for the course were met. See list below for details. See separate Transcript Report for more recent quiz scores, including those on optional (supplemental) course elements.

- **Name:** Smiljana Cuk (ID: 5849554)
- **Email:** sc07273@georgiasouthern.edu
- **Institution Affiliation:** Georgia Southern University (ID: 1063)
- **Institution Unit:** Information Technology
- **Phone:** 912-200-0802

- **Curriculum Group:** Human Subjects-Social & Behavioral Research - Basic/Refresher
- **Course Learner Group:** Same as Curriculum Group
- **Stage:** Stage 1 - Basic Course
- **Description:** Choose this group to satisfy CITI training requirements for Investigators and staff involved primarily in Social/Behavioral Research with human subjects.

- **Report ID:** 20951189
- **Completion Date:** 22-Sep-2016
- **Expiration Date:** 22-Sep-2019
- **Minimum Passing:** 80
- **Reported Score*:** 87

REQUIRED AND ELECTIVE MODULES ONLY	DATE COMPLETED	SCORE
Belmont Report and CITI Course Introduction (ID: 1127)	21-Sep-2016	3/3 (100%)
Students in Research (ID: 1321)	21-Sep-2016	5/5 (100%)
History and Ethical Principles - SBE (ID: 490)	21-Sep-2016	4/5 (80%)
Defining Research with Human Subjects - SBE (ID: 491)	21-Sep-2016	4/5 (80%)
The Federal Regulations - SBE (ID: 502)	21-Sep-2016	5/5 (100%)
Assessing Risk - SBE (ID: 503)	21-Sep-2016	4/5 (80%)
Informed Consent - SBE (ID: 504)	21-Sep-2016	5/5 (100%)
Privacy and Confidentiality - SBE (ID: 505)	21-Sep-2016	4/5 (80%)
Conflicts of Interest in Research Involving Human Subjects (ID: 488)	21-Sep-2016	4/5 (80%)
Consent in the 21st Century (ID: 17060)	21-Sep-2016	4/5 (80%)
Internet-Based Research - SBE (ID: 510)	21-Sep-2016	4/5 (80%)
Research and HIPAA Privacy Protections (ID: 14)	22-Sep-2016	4/5 (80%)
Vulnerable Subjects - Research Involving Workers/Employees (ID: 483)	22-Sep-2016	4/4 (100%)

For this Report to be valid, the learner identified above must have had a valid affiliation with the CITI Program subscribing institution identified above or have been a paid Independent Learner.

Verify at: <https://www.citiprogram.org/verify/?8ca988a9-274d-4694-86f4-99f92abf5ce5>

CITI Program

Email: support@citiprogram.org

Phone: 888-529-5929

Web: <https://www.citiprogram.org>

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM)

COMPLETION REPORT - PART 2 OF 2 COURSEWORK TRANSCRIPT**

** NOTE: Scores on this Transcript Report reflect the most current quiz completions, including quizzes on optional (supplemental) elements of the course. See list below for details. See separate Requirements Report for the reported scores at the time all requirements for the course were met.

- **Name:** Smiljana Cuk (ID: 5849554)
- **Email:** sc07273@georgiasouthern.edu
- **Institution Affiliation:** Georgia Southern University (ID: 1063)
- **Institution Unit:** Information Technology
- **Phone:** 912-200-0802

- **Curriculum Group:** Human Subjects-Social & Behavioral Research - Basic/Refresher
- **Course Learner Group:** Same as Curriculum Group
- **Stage:** Stage 1 - Basic Course
- **Description:** Choose this group to satisfy CITI training requirements for Investigators and staff involved primarily in Social/Behavioral Research with human subjects.

- **Report ID:** 20951189
- **Report Date:** 22-Sep-2016
- **Current Score**:** 87

REQUIRED, ELECTIVE, AND SUPPLEMENTAL MODULES	MOST RECENT	SCORE
Students in Research (ID: 1321)	21-Sep-2016	5/5 (100%)
History and Ethical Principles - SBE (ID: 490)	21-Sep-2016	4/5 (80%)
Defining Research with Human Subjects - SBE (ID: 491)	21-Sep-2016	4/5 (80%)
Belmont Report and CITI Course Introduction (ID: 1127)	21-Sep-2016	3/3 (100%)
The Federal Regulations - SBE (ID: 502)	21-Sep-2016	5/5 (100%)
Assessing Risk - SBE (ID: 503)	21-Sep-2016	4/5 (80%)
Informed Consent - SBE (ID: 504)	21-Sep-2016	5/5 (100%)
Privacy and Confidentiality - SBE (ID: 505)	21-Sep-2016	4/5 (80%)
Internet-Based Research - SBE (ID: 510)	21-Sep-2016	4/5 (80%)
Research and HIPAA Privacy Protections (ID: 14)	22-Sep-2016	4/5 (80%)
Vulnerable Subjects - Research Involving Workers/Employees (ID: 483)	22-Sep-2016	4/4 (100%)
Conflicts of Interest in Research Involving Human Subjects (ID: 488)	21-Sep-2016	4/5 (80%)
Consent in the 21st Century (ID: 17060)	21-Sep-2016	4/5 (80%)

For this Report to be valid, the learner identified above must have had a valid affiliation with the CITI Program subscribing institution identified above or have been a paid Independent Learner.

Verify at: <https://www.citiprogram.org/verify/?8ca988a9-274d-4694-86f4-99f92abf5ce5>

Collaborative Institutional Training Initiative (CITI Program)

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COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM)

COURSEWORK REQUIREMENTS REPORT*

* NOTE: Scores on this Requirements Report reflect quiz completions at the time all requirements for the course were met. See list below for details. See separate Transcript Report for more recent quiz scores, including those on optional (supplemental) course elements.

- **Name:** hayden wimmer (ID: 4063443)
- **Email:** hwimmer@bloomu.edu
- **Institution Affiliation:** Bloomsburg University of Pennsylvania (ID: 2565)
- **Institution Unit:** ITM

- **Curriculum Group:** Social & Behavioral Research - Basic/Refresher
- **Course Learner Group:** Same as Curriculum Group
- **Stage:** Stage 1 - Basic Course
- **Description:** Choose this group to satisfy CITI training requirements for Investigators and staff involved primarily in Social/Behavioral Research with human subjects.

- **Report ID:** 12527768
- **Completion Date:** 03/07/2014
- **Expiration Date:** 03/06/2017
- **Minimum Passing:** 80
- **Reported Score*:** 86

REQUIRED AND ELECTIVE MODULES ONLY

	DATE COMPLETED	SCORE
Belmont Report and CITI Course Introduction (ID: 1127)	03/07/14	3/3 (100%)
History and Ethical Principles - SBE (ID: 490)	03/07/14	3/5 (60%)
Defining Research with Human Subjects - SBE (ID: 491)	03/07/14	3/5 (60%)
The Federal Regulations - SBE (ID: 502)	03/07/14	4/5 (80%)
Assessing Risk - SBE (ID: 503)	03/07/14	3/5 (60%)
Informed Consent - SBE (ID: 504)	03/07/14	5/5 (100%)
Privacy and Confidentiality - SBE (ID: 505)	03/07/14	5/5 (100%)
Research with Prisoners - SBE (ID: 506)	03/07/14	4/4 (100%)
Research with Children - SBE (ID: 507)	03/07/14	4/4 (100%)
Research in Public Elementary and Secondary Schools - SBE (ID: 508)	03/07/14	4/4 (100%)
International Research - SBE (ID: 509)	03/07/14	3/3 (100%)
Internet-Based Research - SBE (ID: 510)	03/07/14	5/5 (100%)
Research and HIPAA Privacy Protections (ID: 14)	03/07/14	5/5 (100%)
Conflicts of Interest in Research Involving Human Subjects (ID: 488)	03/07/14	5/5 (100%)
Unanticipated Problems and Reporting Requirements in Social and Behavioral Research (ID: 14928)	03/07/14	1/3 (33%)

For this Report to be valid, the learner identified above must have had a valid affiliation with the CITI Program subscribing institution identified above or have been a paid Independent Learner.

CITI Program

Email: citisupport@miami.edu

Phone: 305-243-7970

Web: <https://www.citiprogram.org>

COLLABORATIVE INSTITUTIONAL TRAINING INITIATIVE (CITI PROGRAM)

COURSEWORK TRANSCRIPT REPORT**

** NOTE: Scores on this Transcript Report reflect the most current quiz completions, including quizzes on optional (supplemental) elements of the course. See list below for details. See separate Requirements Report for the reported scores at the time all requirements for the course were met.

- **Name:** hayden wimmer (ID: 4063443)
- **Email:** hwimmer@bloomu.edu
- **Institution Affiliation:** Bloomsburg University of Pennsylvania (ID: 2565)
- **Institution Unit:** ITM

- **Curriculum Group:** Social & Behavioral Research - Basic/Refresher
- **Course Learner Group:** Same as Curriculum Group
- **Stage:** Stage 1 - Basic Course
- **Description:** Choose this group to satisfy CITI training requirements for Investigators and staff involved primarily in Social/Behavioral Research with human subjects.

- **Report ID:** 12527768
- **Report Date:** 11/04/2015
- **Current Score**:** 86

REQUIRED, ELECTIVE, AND SUPPLEMENTAL MODULES	MOST RECENT	SCORE
History and Ethical Principles - SBE (ID: 490)	03/07/14	3/5 (60%)
Defining Research with Human Subjects - SBE (ID: 491)	03/07/14	3/5 (60%)
Belmont Report and CITI Course Introduction (ID: 1127)	03/07/14	3/3 (100%)
The Federal Regulations - SBE (ID: 502)	03/07/14	4/5 (80%)
Assessing Risk - SBE (ID: 503)	03/07/14	3/5 (60%)
Informed Consent - SBE (ID: 504)	03/07/14	5/5 (100%)
Privacy and Confidentiality - SBE (ID: 505)	03/07/14	5/5 (100%)
Research with Prisoners - SBE (ID: 506)	03/07/14	4/4 (100%)
Research with Children - SBE (ID: 507)	03/07/14	4/4 (100%)
Research in Public Elementary and Secondary Schools - SBE (ID: 508)	03/07/14	4/4 (100%)
International Research - SBE (ID: 509)	03/07/14	3/3 (100%)
Internet-Based Research - SBE (ID: 510)	03/07/14	5/5 (100%)
Research and HIPAA Privacy Protections (ID: 14)	03/07/14	5/5 (100%)
Unanticipated Problems and Reporting Requirements in Social and Behavioral Research (ID: 14928)	03/07/14	1/3 (33%)
Conflicts of Interest in Research Involving Human Subjects (ID: 488)	03/07/14	5/5 (100%)

For this Report to be valid, the learner identified above must have had a valid affiliation with the CITI Program subscribing institution identified above or have been a paid Independent Learner.

CITI Program

Email: citisupport@miami.edu

Phone: 305-243-7970

Web: <https://www.citiprogram.org>

Block 6

Your completion of this survey indicates your consent for the researcher to use your data for analysis, publication, and presentation purposes. The survey responses are anonymous. You must be 18 years old to complete this survey. You have the right to withdraw or skip questions. This study was reviewed and approved by Georgia Southern University's Institutional Review Board: Protocol #HXXXXX

Description of Study:

This research is being conducted to complete my thesis for a masters degree based in Information Technology. Your responses are appreciated.

Upon investigation of the paper based Patient Care Report or Quick Reference Sheet, several problems were revealed. One of the issues was that it is hard to write on a piece of a paper in the back of an ambulance while rushing to the hospital. In few cases, the report got lost with other papers and medical components in an ambulance which compromised patient's identity. One person mentioned that he would like to see more options on it so he can check it off instead of having to write it down. When it comes to problems associated with verbal reports from EMS to the hospital staff, report is verbally transmitted over the phone and then again in the hospital. Sometimes, a nurse waiting at the hospital is different than the one who received essential case information over the phone so everything has to be repeated again.

Instructions:

Following some basic demographic questions, you will be asked to read a description and watch a video demonstrating our prototype Electronic Patient Care Report. Next, you will be prompted to answer some basic questions about both the Electronic and Paper PCR. This survey will take approximately 5-10 minutes to complete. We greatly appreciate your responses.

Demographics

What is your age?

- Under 18
- 18-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65-74
- 75-84
- 85 or older

What is your race?

- White
- Black or African American
- American Indian or Alaska Native
- Asian
- Native Hawaiian or Pacific Islander
- Other

What is your gender?

- Male
- Female

What is your highest level of education?

- Less than high school
- High school graduate
- Technical college
- Some college
- 2 year degree
- 4 year degree
- Other

What is your household income?

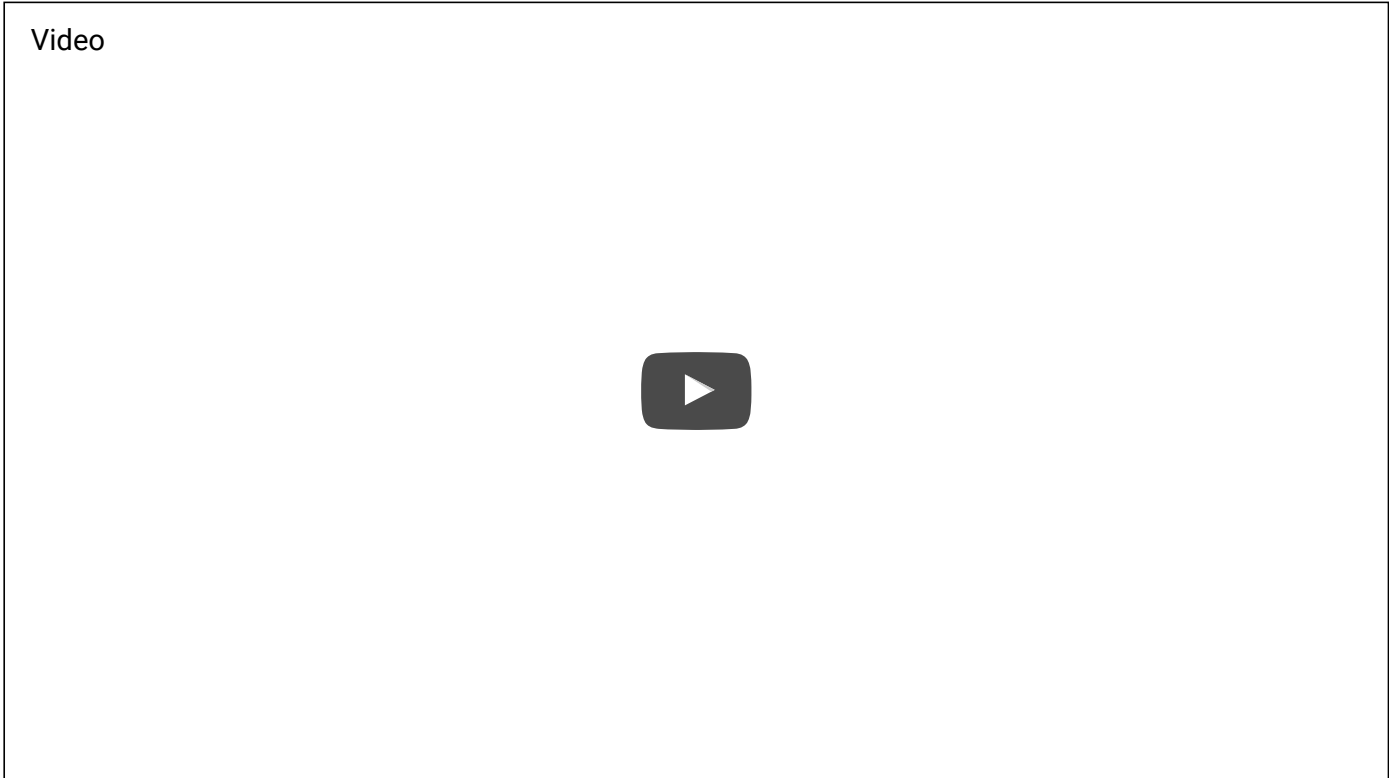
- Less than \$10,000
- \$10,000 - \$19,999
- \$20,000 - \$29,999
- \$30,000 - \$39,999
- \$40,000 - \$49,999
- \$50,000 - \$59,999
- \$60,000 - \$69,999
- \$70,000 - \$79,999
- \$80,000 - \$89,999
- \$90,000 - \$99,999
- \$100,000 - \$149,999
- More than \$150,000

What is your current position/title (please do not abbreviate)?**How many years of experience do you have in your field?**

- None
- 1-5 years
- 6-10 years
- 11-20 years
- 21+ years

Electronic PCR

Electronic Patient Care Report (ePCR) is created based on the feedback received from one-on-one interviews with Emergency Medical Technicians (EMTs). It is an application easily accessed over the phone or tablet that allows EMTs to quickly "fill-out" patients' information without worrying about finding a paper or the pen. It contains additional fields for: age (automatically calculated based on the date of birth), phone number, and amount of given medication. Date field populates itself to current date, medication given can be selected just by tapping corresponding checkbox, and time can be selected using drop down options (scroll through option available). Social security number and phone number are sectioned based on the number of digits but are automatically switched over as they are being typed.



If the video on the previous screen did not load, please click on the link to view the video. If the video played, you do not need to click on this link. <https://youtu.be/eL-L9Rd5Yuw>

In my opinion, the Electronic PCR/Quick Reference Sheet would be easy to complete en route to the hospital.

Strongly disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In my opinion, the Electronic PCR/Quick Reference Sheet has fields for recording all necessary information.

Strongly disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In my opinion, the Electronic PCR/Quick Reference Sheet would be a convenient way of collecting patient information.

Strongly disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

In my opinion, the Electronic PCR/Quick Reference Sheet would be an efficient method of delivering patients' information to the hospital.

Strongly disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Perceived Usefulness

Using the electronic patient care report in my job would enable me to accomplish tasks more quickly.

Strongly disagree	Disagree	Somewhat disagree	Neither agree nor disagree	Somewhat agree	Agree	Strongly agree
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

disagree

○ ○ ○ ○ ○ ○ ○

Using the electronic patient care report would improve my job performance.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

1. Using the electronic patient care report in my job would increase my productivity.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

Using the electronic patient care report would enhance my effectiveness on the job.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

Using the electronic patient care report would make it easier to do my job.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

I would find the electronic patient care report useful in my job.

Extremely useless Moderately useless Slightly useless Neither useful nor useless Slightly useful Moderately useful Extremely useful

○ ○ ○ ○ ○ ○ ○

Perceived Ease of Use

Learning to use the electronic patient care report would be easy for me

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

I would find it easy to get the electronic patient care report to do what I want it to do.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

My interaction with the electronic patient care report would be clear and understandable.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

I would find the electronic patient care report to be flexible to interact with.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

○ ○ ○ ○ ○ ○ ○

It would be easy for me to become skillful at using electronic patient care report.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

disagree

I would find the electronic patient care report easy to use.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

Behavioral Intention

Assuming the electronic patient care report would be available, I predict that I would use the electronic patient care report.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

Assuming the electronic patient care report would be available, I would use the electronic patient care report in my job.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

Assuming the electronic patient care report would be available, I plan to use the electronic patient care report in the future.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

Paper PCR

The Paper based Patient Care Report or Quick Reference Sheet is a paper report that is filled out by emergency medical technicians (EMTs) every time they go out for a call. It has multiple sections: a part with medical care providers' information; patient's personal information; medication given to the patient; vitals data; other work completed during the call; and notes section. Everything is hand-written on a regular size sheet of paper. Additional space in bottom-left corner is designed for writing out the details of each call.

In my opinion, the Paper PCR/Quick Reference Sheet would be easy to complete en route to the hospital.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

In my opinion, the Paper PCR/Quick Reference Sheet has fields for recording all necessary information.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

In my opinion, the Paper PCR/Quick Reference Sheet would be a convenient way of collecting patient information.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

In my opinion, the Paper PCR/Quick Reference Sheet would be an efficient method of delivering patients' information to the hospital.

Strongly disagree Disagree Somewhat disagree Neither agree nor disagree Somewhat agree Agree Strongly agree

