

7 FEB 2016

## MEMORANDUM FOR SGOBS ATTN: MAJ RENEE MATOS

## FROM: 59 MDW/SGVU

## SUBJECT: Professional Presentation Approval

- Your paper, entitled <u>Use of Data to Develop a Code Blue Training Program</u> presented at/published to <u>International Meeting on Simulation in Healthcare (IMSH), FL, 28</u> <u>January -1 February 2017</u> in accordance with MDWI 41-108, has been approved and assigned local file #<u>17033.</u>
- 2. Pertinent biographic information (name of author(s), title, etc.) has been entered into our computer file. Please advise us (by phone or mail) that your presentation was given. At that time, we will need the date (month, day and year) along with the location of your presentation. It is important to update this information so that we can provide quality support for you, your department, and the Medical Center commander. This information is used to document the scholarly activities of our professional staff and students, which is an essential component of Wilford Hall Ambulatory Surgical Center (WHASC) internship and residency programs.
- 3. Please know that if you are a Graduate Health Sciences Education student and your department has told you they cannot fund your publication, the 59th Clinical Research Division may pay for your basic journal publishing charges (to include costs for tables and black and white photos). We cannot pay for reprints. If you are 59 MDW staff member, we can forward your request for funds to the designated wing POC.
- 4. Congratulations, and thank you for your efforts and time. Your contributions are vital to the medical mission. We look forward to assisting you in your future publication/presentation efforts.

hinda Steel-Goodwin

LINDA STEEL-GOODWIN, Col, USAF, BSC Director, Clinical Investigations & Research Support

## PROCESSING OF PROFESSIONAL MEDICAL RESEARCH/TECHNICAL PUBLICATIONS/PRESENTATIONS

## INSTRUCTIONS

## USE ONLY THE MOST CURRENT 59 MDW FORM 3039 LOCATED ON AF E-PUBLISHING

- 1. The author must complete page two of this form:
  - a. In Section 2, add the funding source for your study [ e.g., 59 MDW CRD Graduate Health Sciences Education (GHSE) (SG5 O&M); SG5 R&D; Tri-Service Nursing Research Program (TSNRP); Defense Medical Research & Development Program (DMRDP); NIH; Congressionally Directed Medical Research Program (CDMRP) ; Grants; etc.]
  - b. In Section 2, there may be funding available for journal costs, if your department is not paying for figures, tables or photographs for your publication. Please state "YES" or "NO" in Section 2 of the form, if you need publication funding support.
- 2. Print your name, rank/grade, sign and date the form in the author's signature block or use an electronic signature.
- 3. Attach a copy of the 59 MDW IRB or IACUC approval letter for the research related study. If this is a technical publication/presentation, state the type (e.g. case report, QA/QI study, program evaluation study, informational report/briefing, etc.) in the "Protocol Title" box.
- 4. Attach a copy of your abstract, paper, poster and other supporting documentation.
- 5. Save and forward, via email, the processing form and all supporting documentation to your unit commander, program director or immediate supervisor for review/approval.
- On page 2, have either your unit commander, program director or immediate supervisor:
   a. Print their name, rank/grade, title; sign and date the form in the approving authority's signature block or use an electronic signature.
- Submit your completed form and all supporting documentation to the CRD for processing (59crdpubspres@us.af.mil). This should be accomplished no later than 30 days before final clearance is required to publish/present your materials. If you have any questions or concerns, please contact the 59 CRD/Publications and Presentations Section at 292-7141 for assistance.
- The 59 CRD/Publications and Presentations Section will route the request form to clinical investigations, 502 ISG/JAC (Ethics Review) and Public Affairs (59 MDW/PA) for review and then forward you a final letter of approval or disapproval.
- Once your manuscript, poster or presentation has been approved for a one-time public release, you may proceed with your publication or presentation submission activities, as stated on this form. Note: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 must be submitted for review and approval.
- 10. If your manuscript is accepted for scientific publication, please contact the 59 CRD/Publications and Presentations Section at 292-7141. This information is reported to the 59 MDW/CC. All medical research or technical information publications/presentations must be reported to the Defense Technical Information Center (DITC). See 59 MDWI 41-108, Presentation and Publication of Medical and Technical Papers, for additional information.
- 11. The Joint Ethics Regulation (JER) DoD 5500.07-R, Standards of Conduct, provides standards of ethical conduct for all DoD personnel and their interactions with other non-DoD entities, organizations, societies, conferences, etc. Part of the Form 3039 review and approval process includes a legal ethics review to address any potential conflicts related to DoD personnel participating in non-DoD sponsored conferences, professional meetings, publication/presentation disclosures to domestic and foreign audiences, DoD personnel accepting non-DoD contributions, awards, honoraria, gifts, etc. The specific circumstances for your presentation will determine whether a legal review is necessary. If you (as the author) or your supervisor check "NO" in block 17 of the Form 3039, your research or technical documents will not be forwarded to the 502 ISG/JAC legal office for an ethics review. To assist you in making this decision about whether to request a legal review, the following examples are provided as a guideline:

For presentations before professional societies and like organizations, the 59 MDW Public Affairs Office (PAO) will provide the needed review to ensure proper disclaimers are included and the subject matter of the presentation does not create any cause for DoD concern.

If the sponsor of a conference or meeting is a DoD entity, an ethics review of your presentation is not required, since the DoD entity is responsible to obtain all approvals for the event.

If the sponsor of a conference or meeting is a non-DoD commercial entity or an entity seeking to do business with the government, then your presentation should have an ethics review.

If your travel is being paid for (in whole or in part) by a non-Federal entity (someone other than the government), a legal ethics review is needed. These requests for legal review should come through the 59 MDW Gifts and Grants Office to 502 ISG/JAC.

If you are receiving an honorarium or payment for speaking, a legal ethics review is required.

If you (as the author) or your supervisor check "YES" in block 17 of the Form 3039, your research or technical documents will be forwarded simultaneously to the 502 ISG/JAC legal office and PAO for review to help reduce turn-around time. If you have any questions regarding legal reviews, please contact the legal office at (210) 671-5795/3365, DSN 473.

NOTE: All abstracts, papers, posters, etc., should contain the following disclaimer statement:

- "The views expressed are those of the [author(s)] [presenter(s)] and do not reflect the official views or policy of the Department of Defense or its Components"
- NOTE: All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving humans: "The voluntary, fully informed consent of the subjects used in this research was obtained as required by 32 CFR 219 and DODI 3216.02\_AFI 40-402."
- NOTE: All abstracts, papers, posters, etc., should contain the following disclaimer statement for research involving animals, as required by AFMAN 40-401\_IP :

"The experiments reported herein were conducted according to the principles set forth in the National Institute of Health Publication No. 80-23, Guide for the Care and Use of Laboratory Animals and the Animal Welfare Act of 1966, as amended."

1. 10. CLINICAL RESERRCH 2. FROM: (Juliors Name, Rank, Grade, Olice Synbol) <ul> <li>□ WEB X</li> <li>NO</li> <li>□ WEB X</li> <li>NO</li> <li>NO</li></ul>	PROCESSING OF PROFESSI	ONAL MEDICAL R	ESEARCH/TECHNICAL	PUBLICATIONS	PRES	ENTATIONS
S. PROTOCOL TITLE: (NOTE: For each new release of medical research or technical information as a publication/presentation, a new 59 MDW Form 3039 mixt be submitted for review and approxia.)  6. TITLE OF MATERIAL TO BE PUBLISHED OR PRESENTED: Use of Data to Develop a Code Blue Training Program  7. FUNDING RECEIVED FOR THIS STUDY?   YES 🔕 NO FUNDING SOURCE:  8. DO YOU NEED FUNDING SUPPORT FOR PUBLICATION PURPOSES:   YES 🖄 NO  9. IS THIS MATERIAL CLASSIFIED?   YES 🔕 NO  10. IS THIS MATERIAL CLASSIFIED?   YES 🔕 NO  10. IS THIS MATERIAL SUBJECT TO ANY LEGAA. RESTRICTIONS FOR PUBLICATION OF PRESENTATION THROUGH A COLLABORATIVE RESEARCH 10. IS THIS MATERIAL GRAESSIMIC (CRAO), MARTERIAL TRANSFER AGREEMENT (MTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT TEC?  11. YES 🔄 NO MOTE: If the answer is YES tien attach a copy of the Agreement to the Publications/Presentations Request form.  11. INTERLIAL TRANSFER AGREEMENT (FOR SUBJECTION THROUGH A COLLABORATIVE RESEARCH 11. INTERLIAL TRANSFER AGREEMENT (FOR SUBJECT)  11. INTERLIAL TRANSFER AGREEMENT (FOR INTELLASE   POESION TELLASE  CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED  11. PUBLICATIONUOURNAL (List Intended journal)  11. PUBLICATIONUOURNAL (List Intended publication)journal)  11. PUBLICHTONUOURNAL (LIST Intended publication)journal)  11. PUBLISHED ASSIGNED FILE #						
	Renee Matos, I	Maj, O4, SGOBS		YES NO	) N/	'A
	5. PROTOCOL TITLE: (NOTE: For each new re	elease of medical researc	h or technical information as a	publication/presentati	on, a new	v 59 MDW Form 3039
Use of Data to Develop a Code Blue Training Program  7. FUNDING RECEIVED FOR THIS STUDY?   YES NO FUNDING SOURCE: 8. DO YOU NEED FUNDING SUPFORT FOR PUBLICATION PURPOSES:   YES NO 9. IS THIS MATERIAL CLASSIFIED?   YES NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH NO DEVELOPMENT AGREEMENT (GRADA, MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUL, IPROPERTY RIGHTS AGREEMENT ETC. ?   YES NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH NO DEVELOPMENT AGREEMENT (GRADA, MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUL, IPROPERTY RIGHTS AGREEMENT ETC. ?   YES NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH CHECK APPROPENTLE BOX OR BOSES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED. 111a. PUBLICATION/JOURNAL (List intended publication/journal.) 111a. PUBLISHED ABSTRACT (List intended journal.) 111b. PUBLISHED ABSTRACT (List intended journal.) 111a. PUBLICATION MAY UNLINE ALSO THE AUXIAN AND A DATE ADDATE ADDA	must be submitted for re	eview and approval.)				
Use of Data to Develop a Code Blue Training Program  7. FUNDING RECEIVED FOR THIS STUDY?   YES NO FUNDING SOURCE: 8. DO YOU NEED FUNDING SUPFORT FOR PUBLICATION PURPOSES:   YES NO 9. IS THIS MATERIAL CLASSIFIED?   YES NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH NO DEVELOPMENT AGREEMENT (GRADA, MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUL, IPROPERTY RIGHTS AGREEMENT ETC. ?   YES NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH NO DEVELOPMENT AGREEMENT (GRADA, MATERIAL TRANSFER AGREEMENT (MTA), INTELLECTUL, IPROPERTY RIGHTS AGREEMENT ETC. ?   YES NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH CHECK APPROPENTLE BOX OR BOSES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED. 111a. PUBLICATION/JOURNAL (List intended publication/journal.) 111a. PUBLISHED ABSTRACT (List intended journal.) 111b. PUBLISHED ABSTRACT (List intended journal.) 111a. PUBLICATION MAY UNLINE ALSO THE AUXIAN AND A DATE ADDATE ADDA						
7. FUNDING RECEIVED FOR THIS STUDY?       YES       NO       FUNDING SUPPORT FOR PUBLICATION PURPOSES.       YES       NO         9. IS THIS MATERIAL CLASSFIED?       YES       NO	6. TITLE OF MATERIAL TO BE PUBLISHED OF	R PRESENTED:				
	Use of Data to Develop a Code Blue Traini	ng Program				
	7 FUNDING RECEIVED FOR THIS STUDY?					
9. IS THIS MATERIAL CLASSIFIED? □ YES ○ NO 10. IS THIS MATERIAL CLASSIFIED? □ YES ○ NO 10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRICTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT AGREEMENT (CRAD), MATERIAL TRANSFER A RESEMANT (MIN, INTELLECTUAL PROPERTY RIGHTS AGREEMENT (MIN, INTELLECTUAL PROPERTY RIGHTS AGREEMENTED.						
10. IS THIS MATERIAL SUBJECT TO ANY LEGAL RESTRUCTIONS FOR PUBLICATION OR PRESENTATION THROUGH A COLLABORATIVE RESEARCH AND DEVELOPMENT ACREEMENT (CRADA), MATERIAL TRANSFER AGREEMENT (INTA), MITELLECTUAL, PROPERTY RIGHTS AGREEMENT ETC.?         11. MATERIAL IS FOR: © DOMESTIC RELEASE IN SUBJECT TO ANY FOR AGREEMENT (INTA), MITELLECTUAL, PROPERTING TOX, CR BOXES FOR APPROVAL (UTH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.         11. MATERIAL IS FOR: © DOMESTIC RELEASE CHECK REPROVING UTH HIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.       International Copy of MATERIAL TO ABE PUBLISHED/PRESENTED.         11. IN PUBLICATION/JOURNAL (List intended publication/journal.)       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         11. NOTHER (Describe: name of meeting, city, state, and date of meeting.)       International Meeting on Greeting, city, state, and date of meeting.)         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?       Image: Copy of Copy o						
AND DEVELOPMENT AGREEMENT (CRADA), MATERIAL TRANSTER AGREEMENT (UTA), INTELLECTUAL PROPERTY RIGHTS AGREEMENT ETC.?  YES ⊠ NO NOTE: If the aware is YES then & Agreement to the Publications/Presentations Request Form.  MATERIAL IS FOR: ☑ DOMESTIC RELEASE ☐ FOREIGN RELEASE CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.  11. MATERIAL IS FOR: ☑ DOMESTIC RELEASE ☐ FOREIGN RELEASE CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.  11. PUBLICATION/JOURNAL (List intended publication/journal)  11. PUBLICATION/JOURNAL (List intended publication/journal)  11. PUBLICATION/MORNAL (List intended publication/journal)  11. PUBLISHED ABSTRACT (List Name of meeting, state, and date of meeting.)  12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?  13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC NOTE: JUBUICATION/PUBLICATION TO DTIC NOTE: JUBUICATION POINT OF CONTACT (List Name, KI., email)  14. 59 MDW PRIMARY POINT OF CONTACT (List Name, First Name, M.I., email)  15. DUTY PHONE/PAGER NUMBER AUGAS, Rence I, Maj(O4 959 MDOS SAMMC  14. 59 MDW PRIMARY POINT OF CONTACT (List Name, First Name, M.I., email)  15. DUTY PHONE/PAGER NUMBER AUGAS, Rence I, Maj(O4 959 MDOS SAMMC  16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.  17. IS A S02 LI						
11. MATERIAL IS FOR: DOMESTIC RELEASE       FOREIGN RELEASE         CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST       ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.         11. In PUBLISHED ABSTRACT (List intended publication/journal.)       110. PUBLISHED ABSTRACT (List intended publication/journal.)         11. PUBLISHED ABSTRACT (List intended publication/journal.)       111. POSTER (To be demonstrated at meeting. city, state, and date of meeting.)         11. POSTER (To be demonstrated at meeting: and of meeting.)       111. POSTER (To be demonstrated at meeting: international Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         11. OTHER (Describe: name of meeting, city, state, and date of meeting.)       112. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?       DATE         13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC       NOTE: A JUDICATIONS/presentations are required to be placed in the Delense Technical Information Center (DTIC).         DATE       January 20, 2017       15. DUTY PHONE/PAGER NUMBER         14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)       15. DUTY PHONE/PAGER NUMBER       10-916-8212/210-513-7547         15. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       LAST NAME, FIRST NAME AND M.I.       GRADE/FANK       SQUADRON/GROUPOFFICE SYMB	AND DEVELOPMENT AGREEMENT (CRADA),	MATERIAL TRANSFER	AGREEMENT (MTA), INTELLI	ECTUAL PROPERTY	RIGHTS	AGREEMENT ETC.?
CHECK APPROPRIATE BOX OR BOXES FOR APPROVAL WITH THIS REQUEST. ATTACH COPY OF MATERIAL TO BE PUBLISHED/PRESENTED.       International Transmission of the publication/journal.)         International Meeting And Comparison of the publication/journal.)       International Meeting.       International Meeting.         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         Is APPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC       International Information Center (DTIC).         DATE       January 20, 2017       Is. DUTY PHONE/PAGER NUMBER 210-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       INSTITUTION (If not 59 MDW)         LATS NAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If	YES NO NOTE: If the answer is YES t	then attach a copy of the	Agreement to the Publications	/Presentations Reque	st Form.	
International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         It. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         It. OTHER (Describe: name of meeting, city, state, and date of meeting.)       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         It. OTHER (Describe: name of meeting, city, state, and date of meeting.)       International Meeting on Simulation in Fealthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         It. OTHER (Describe: name of meeting, city, state, and date of meeting.)       International Meeting on Simulation in Fealthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         It. AVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?       DATE         IS EXPECTED DATE WHEN YOU MULL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATIONPUBLICATION TO DTIC       NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIG).         DATE       January 20, 2017       It. DUTY PHONE/PAGER NUMBER 210-916-8212/210-513-7547         16. 401PHORSHIP AND CO-CAUTHOR(S) List in the order they will appear in the manuscript.       INSTITUTION ((In ot 59 MDW))         17. Is A S02 INSCRAME, RAND M.I. GRADE(RANK SOUADRON/GROUP/OFFICE SYMBOL       INSTITUTION ((In ot 59 MDW))         a. Primary/Corresponding Author       Maj/O4 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
□       11b. PUBLISHED ABSTRACT (List intended journal.)         □       11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)         □       11c. POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)         □       11d. PLATFORM PRESENTATION (At divilian institutions: name of meeting, state, and date of meeting.)         □       11d. PLATFORM PRESENTATION (At divilian institutions: name of meeting, state, and date of meeting.)         □       11e. OTHER. (Describe: name of meeting, city, state, and date of meeting.)         □       11e. OTHER. (Describe: name of meeting, city, state, and date of meeting.)         □       YES       No         □       YES       No       ASSIGNED FILE #         □       DATE       Intermations/presentations are required to be placed in the Defense Technical Information Center (DTIC).         □       TE       JUDINE/PAGER NUMBER       210-916-8212/210-513-7547         16.       AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       Instrituriton (if not 59 MDVy			HIS REQUEST. ATTACH CO	PY OF MATERIAL TO	BE PUB	LISHED/PRESENTED.
Intel POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting.)         Ite. OTHER (Describe: name of meeting.)       Date       Ite.         Ite. State and date of meeting.)       Date       Ite.         Ite. State and date of meeting.)       Date       Ite.         Ite. ADTORSHIP AND CO-OXOTHOC (Last Name, First Name, M.I., email)       Ite. DUTY PHONE/PAGER NUMBER         ADTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       Ite.       Ite.         LAST NAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If not 59 MDW)         a. Primary		ded publication/journal.)				
Intel POSTER (To be demonstrated at meeting: name of meeting, city, state, and date of meeting.)       International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)       Ite. OTHER (Describe: name of meeting.)         Ite. OTHER (Describe: name of meeting.)       Date       Ite.         Ite. State and date of meeting.)       Date       Ite.         Ite. State and date of meeting.)       Date       Ite.         Ite. ADTORSHIP AND CO-OXOTHOC (Last Name, First Name, M.I., email)       Ite. DUTY PHONE/PAGER NUMBER         ADTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       Ite.       Ite.         LAST NAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If not 59 MDW)         a. Primary	11b. PUBLISHED ABSTRACT (List intend	led journal.)				
Indemational Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         Ite. OTHER (Describe: name of meeting, city, state, and date of meeting.)         11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         □ YES ⊠ NO ASSIGNED FILE #	Ourmann Brokascrain (Spinson) of the standard subult laboration     (1)	, , ,				
International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         11e. OTHER (Describe: name of meeting. city, state, and date of meeting.)         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC         NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).         DATE         January 20, 2017         14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)       15. DUTY PHONE/PAGER NUMBER         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       10-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       INSTITUTION (if not 59 MDV)         17. SA SOR Renee 1.       Maj/O4       959 MDOS       SAMMC         18. Delaney, Heather M.       LTC/O5       US Army       BAMC         17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YE NS NO       YE NO       YE NO         1CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401 [P. AND 59 MDVI 41-108, 1HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRI	11c. POSTER (To be demonstrated at me	eting: name of meeting,	city, state, and date of meeting	1.)		
International Meeting on Simulation in Healthcare (IMSH), Florida, 28 Jan - 1 Feb 2017         11e. OTHER (Describe: name of meeting. city, state, and date of meeting.)         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC         NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).         DATE         January 20, 2017         14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)       15. DUTY PHONE/PAGER NUMBER         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       10-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       INSTITUTION (if not 59 MDV)         17. SA SOR Renee 1.       Maj/O4       959 MDOS       SAMMC         18. Delaney, Heather M.       LTC/O5       US Army       BAMC         17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YE NS NO       YE NO       YE NO         1CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401 [P. AND 59 MDVI 41-108, 1HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRI						÷
11e. OTHER (Describe: name of meeting, city, state, and date of meeting.)         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC         NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).         DATE         January 20, 2017         14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, K.I., email)         15. DUTY PHONE/PAGER NUMBER         MOTO SOLUTION CONTOC TO CONTACT (Last Name, K.I., email)         15. DUTY PHONE/PAGER NUMBER         MOTO SOLUTION CONTOC TO AUTHOR(S) List in the order they will appear in the manuscript.         LAST NAME, FIRST NAME AND O.         APIMICATION (If not 59 MDV).         INSTITUTION (If not 59 MDV).         PHONE/PAGEN NUME AND CO-AUTHOR(S) List in the order they will appear in the manuscript.         LAST NAME, FIRST NAME AND M.I.         GRADE/RANK         SQUADRON/GROUP/OFFICE SYMBOL         INSTITUTION (If not 59 MDV).         PHONE/PAGEN NUME         AUTHOR MAL						
12. HAVE YOUR ATTACHED RESEARCH/TECHNICAL MATERIALS BEEN PREVIOUSLY APPROVED TO BE PUBLISHED/PRESENTED?         □ YES ⊠ NO ASSIGNED FILE #	International Meeting on Simulation i	n Healthcare (IMSH),	Florida, 28 Jan - 1 Feb 201	17		
□ YES ☑ NO ASSIGNED FILE #	11e. OTHER (Describe: name of meeting.	, city, state, and date of n	neeting.)			
□ YES ☑ NO ASSIGNED FILE #						
13. EXPECTED DATE WHEN YOU WILL NEED THE CRD TO SUBMIT YOUR CLEARED PRESENTATION/PUBLICATION TO DTIC         NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).         DATE January 20, 2017         14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)       15. DUTY PHONE/PAGER NUMBER 210-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       18. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       INSTITUTION (If not 59 MDW)         a. Primary/Corresponding Author       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If not 59 MDW)         a. Primary/Corresponding Author       Maj/O4       959 MDOS       SAMMC         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         c.       In revino, Raquel       GS-12       CIV       BAMC         c.       In s 4 502 ISG/JAC ETHICS REVIEW REQUIED (JER DOD 5500.07-R)?       YES NO       ICERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR         19. AUTHOR'S PRINTED NAME, RANK, GRADE       19. AUTHOR'S SIGNATURE       20. DATE         18. AUTHOR'S PRINTED NAME, RANK, GRADE       19. AUTHOR'S SIGNATURE       20. DATE		HNICAL MATERIALS BE	EEN PREVIOUSLY APPROVE	D TO BE PUBLISHED	PRESE	NTED?
NOTE: All publications/presentations are required to be placed in the Defense Technical Information Center (DTIC).         DATE January 20, 2017       Image: Ima	YES X NO ASSIGNED FILE #		DATE			
DATE January 20, 2017       15. DUTY PHONE/PAGER NUMBER 210-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript. LAST NAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (if not 59 MDW)         a. Primary/Corresponding Author Matos, Rence I.       Maj/O4       959 MDOS       SAMMC         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         re.       11. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YES NO       NO         ICERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.       19. AUTHOR'S SIGNATURE MATOS RENEE L1000456824       20. DATE January 19, 2017         21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE Brian M. Faux, Lt Col, OS       22. APPROVING AUTHORITY'S SIGNATURE January 19, 2017       23. DATE January 19, 2017					TO DTIC	
14. 59 MDW PRIMARY POINT OF CONTACT (Last Name, First Name, M.I., email)       15. DUTY PHONE/PAGER NUMBER 210-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       10. SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (if not 59 MDW)         a. Primary/Corresponding Author Matos, Renee I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (if not 59 MDW)         a. Primary/Corresponding Author Matos, Renee I.       Maj/O4       959 MDOS       SAMMC         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Intervino Raquel       US Army       Delaney, Heather M.       Intervino Raquel         I. Trevino, Raquel       GS-12       CIV       BAMC         e.       Intervino Raquel       Intervino Response						
Matos, Renee I., renee.i.matos.mil@mail.mil       210-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in teorder they will appear in the manuscript.       INSTITUTION (If not 59 MDW)         17. ISA TNAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If not 59 MDW)         a. Primary/Corresponding Author       Maj/O4       959 MDOS       SAMMC         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Intervino Raquel       GS-12       VEX       VEX         17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YES NO       VEX       VEX         12. AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VEXSION OF THE ATTACHED MATERIAL VEX VEXION OF THE ATTACHED MATERIAL VEX	January 20, 2017					
Matos, Renee I., renee.i.matos.mil@mail.mil       210-916-8212/210-513-7547         16. AUTHORSHIP AND CO-AUTHOR(S) List in teorder they will appear in the manuscript.       INSTITUTION (If not 59 MDW)         17. ISA TNAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If not 59 MDW)         a. Primary/Corresponding Author       Maj/O4       959 MDOS       SAMMC         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Intervino Raquel       GS-12       VEX       VEX         17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YES NO       VEX       VEX         12. AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VEXSION OF THE ATTACHED MATERIAL VEX VEXION OF THE ATTACHED MATERIAL VEX		Last Name First Name	M L email)	15		
16. AUTHORSHIP AND CO-AUTHOR(S) List in the order they will appear in the manuscript.       INSTITUTION (If not 59 MDW)         LAST NAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (If not 59 MDW)         a. Primary/Corresponding Author       Maj/O4       959 MDOS       SAMMC         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YES NO       YES NO         1 CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.       19. AUTHOR'S SIGNATURE       20. DATE January 19, 2017         18. AUTHOR'S PRINTED NAME, RANK, GRADE       19. AUTHOR'S SIGNATURE       20. DATE January 19, 2017         21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE       22. APPROVING AUTHORITY'S SIGNATURE       23. DATE January 19, 2017	1777.m ADD 2820 18 1964		with, ernally			saaraanaa araanaa h
LAST NAME, FIRST NAME AND M.I.       GRADE/RANK       SQUADRON/GROUP/OFFICE SYMBOL       INSTITUTION (if not 59 MDW)         a. Primary/Corresponding Author       Maj/O4       959 MDOS       SAMM         Matos, Renee I.       Maj/O4       959 MDOS       SAMM         b. Delaney, Heather M.       MAJ/O4       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Intervino, Raquel       GS-12       VI       BAMC         17. IS A 502 ISG/JAC ETHICS REVIEW REQUIED (JER DOD 5500.07-R)?       YES NO       VI       VI         16 ERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR       219, AFMAN 40-40_1P, AND 59 MDW1 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.       19. AUTHOR'S SIGNATURE       20. DATE         18. AUTHOR'S PRINTED NAME, RANK, GRADE       19. AUTHOR'S SIGNATURE       20. DATE       January 19, 2017         21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE       22. APPROVING AUTHORITY'S SIGNATURE       23. DATE       January 19, 2017			or in the manuacrist	21	0-710-02	212/210-313-7347
a. Primary/Corresponding Author       Maj/O4       959 MDOS       SAMM         b. Delaney, Heather M.       MAJ/O4       US ↓ my       BAMC         c. Borgman, Matthew A.       LTC/O5       US ↓ my       BAMC         d. Trevino, Raquel       GS-12       CI ✓       BAMC         e.       Image: Comparing Animal State				FFICE SYMBOL	INSTIT	UTION (If not 59 MDW)
https://withouting.network       MAJ/O4       US Army       BAMC         b. Delaney, Heather M.       LTC/O5       US Army       BAMC         c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Image: Company Antificities Review REQUIED (JER DOD 5500.07-R)?       YES ⊠ NO       Vertication Antificities Company Antificities Review REQUIED (JER DOD 5500.07-R)?       YES ⊠ NO         17. IS A 502 ISG/JAC ETHICS REVIEW REQUIED (JER DOD 5500.07-R)?       YES ⊠ NO       Vertication Antificities Company Antificities Review Representation and the structure of the attractive Diversion of the attractine						
c. Borgman, Matthew A.       LTC/O5       US Army       BAMC         d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Image: Comparison of the structure of the st	Matos, Renee I.	Maj/O4	959 MDOS		SAMM	IC
d. Trevino, Raquel       GS-12       CIV       BAMC         e.       Image: Control of the state of the st	b. Delaney, Heather M.	MAJ/O4	US Army		BAMC	
e. 17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)? ☐ YES ☑ NO I CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION. 18. AUTHOR'S PRINTED NAME, RANK, GRADE Renee I. Matos, Maj, O4 21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE Brian M. Faux, Lt Col, O5 22. APPROVING AUTHORITY'S SIGNATURE 13. AUTHOR'S SIGNATURE 14. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE 15. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE 16. AUTHOR'S SIGNATURE 17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)? ☐ YES ☑ NO 19. AUTHOR'S SIGNATURE 19. AUTHOR'S SIGNATURE 20. DATE 20. DATE 20. DATE 20. DATE 20. DATE 21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE 22. APPROVING AUTHORITY'S SIGNATURE 23. DATE 24. APPROVING AUTHORITY'S OR AUTHORITY'S SIGNATURE 24. APPROVING AUTHORITY'S OR AUTHORITY'S SIGNATURE 25. APPROVING AUTHORITY'S OR AUTHORITY'S SIGNATURE 26. DATE 27. APPROVING AUTHORITY'S OR AUTHORITY'S OR AUTHORITY'S SIGNATURE 27. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE	c. Borgman, Matthew A.	LTC/O5	US Army		BAMC	
17. IS A 502 ISG/JAC ETHICS REVIEW REQUIRED (JER DOD 5500.07-R)?       YES NO         1 CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.         18. AUTHOR'S PRINTED NAME, RANK, GRADE Renee I. Matos, Maj, O4       19. AUTHOR'S SIGNATURE MATOS RENEEL1008456824       20. DATE January 19, 2017         21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE Brian M. Faux, Lt Col, O5       22. APPROVING AUTHORITY'S SIGNATURE January 19, 2017	d. Trevino, Raquel	GS-12	CIV		BAMC	
1 CERTIFY ANY HUMAN OR ANIMAL RESEARCH RELATED STUDIES WERE APPROVED AND PERFORMED IN STRICT ACCORDANCE WITH 32 CFR 219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.         18. AUTHOR'S PRINTED NAME, RANK, GRADE       19. AUTHOR'S SIGNATURE       20. DATE         Renee I. Matos, Maj, O4       19. AUTHOR'S SIGNATURE       20. DATE         21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE       22. APPROVING AUTHORITY'S SIGNATURE       23. DATE         Brian M. Faux, Lt Col, O5       19. AUTHOR'S SIGNATURE       23. DATE	e.					
219, AFMAN 40-401_IP, AND 59 MDWI 41-108. I HAVE READ THE FINAL VERSION OF THE ATTACHED MATERIAL AND CERTIFY THAT IT IS AN         ACCURATE MANUSCRIPT FOR PUBLICATION AND/OR PRESENTATION.         18. AUTHOR'S PRINTED NAME, RANK, GRADE       19. AUTHOR'S SIGNATURE       20. DATE         Renee I. Matos, Maj, O4       19. AUTHOR'S SIGNATURE       January 19, 2017         21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE       22. APPROVING AUTHORITY'S SIGNATURE       23. DATE         Brian M. Faux, Lt Col, O5       Matos automatication automa	17. IS A 502 ISG/JAC ETHICS REVIEW REQU	IRED (JER DOD 5500.07	7-R)? YES NO			
Renee I. Matos, Maj, O4     MATOS.RENEE.I.1008456824     January 19, 2017       21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE     22. APPROVING AUTHORITY'S SIGNATURE     23. DATE       Brian M. Faux, Lt Col, O5     January 19, 2017	219, AFMAN 40-401_IP, AND 59 MDWI 41-108.	I HAVE READ THE FIN	IAL VERSION OF THE ATTAC	RFORMED IN STRICT	ACCOR	DANCE WITH 32 CFR Y THAT IT IS AN
21. APPROVING AUTHORITY'S PRINTED NAME, RANK, TITLE       22. APPROVING AUTHORITY'S SIGNATURE       23. DATE         Brian M. Faux, Lt Col, O5       24. APPROVING AUTHORITY'S SIGNATURE       23. DATE			19. AUTHOR'S SIGN			
Brian M. Faux, Lt Col, O5 January 19, 2017	Renee I. Matos, Maj, O4		MATOS.RENEE.I.1008456	8824 Developments with a result control of the second seco	unter	January 19, 2017
	[1] S. S. M. M. M. W. M.	ME, RANK, TITLE		THORITY'S SIGNATU	RE	
				en jonalis		

PROCESSING OF PROFES	SSIONAL MEDICAL	RESEA	RCH/TE	CHNICAL PUBLICATIONS	PRESE	NTATIONS
1st ENDORSEMENT (59 MDW/SGVU Use C	Only)					
TO: Clinical Research Division 59 MDW/CRD	24. DATE RECEIVED		25. ASSI	GNED PROCESSING REQUEST	FILE NUM	BER
Contact 292-7141 for email instructions.	January 19, 2017		17033			
26. DATE REVIEWED			27 DATE	FORWARDED TO 502 ISG/JAC		
January 19, 2017						
28. AUTHOR CONTACTED FOR RECOMM	ENDED OR NECESSAR	Y CHANG	ES: 🗌 NO	YES If yes, give date. Janu	uary 19, 20	017 🗌 N/A
29. COMMENTS APPROVED DI	SAPPROVED					
Approved training presentation with app	propriate disclaimers b	ased on t	raining cu	riculum implementation		
30. PRINTED NAME, RANK/GRADE, TITLE	OF REVIEWER		31. REVIE	VER SIGNATURE	3:	2. DATE
Kevin Kupferer/GS13/Human Research	Subject Protection Ex	pert	KUPFERER.K	VIN.R. 1086667270 District Structure au-Old au-PRI au- meRuPPEren KEVIN R 1086667270	Ja Ja	anuary 19, 2017
2nd ENDORSEMENT (502 ISG/JAC Use On	ly)			Longer 2017 of 19 15 16 44 -arrow 112		
33. DATE RECEIVED			34. DATE	FORWARDED TO 59 MDW/PA		
36. PRINTED NAME, RANK/GRADE, TITLE	OF REVIEWER		37. REVIE	VER SIGNATURE	38	B. DATE
3rd ENDORSEMENT (59 MDW/PA Use Only	<i>י</i> )					
39. DATE RECEIVED			40. DATE	FORWARDED TO 59 MDW/SGV	U	
41. COMMENTS APPROVED (In com -WHPAO not required as it was already	pliance with security and approved by BAMM	1999-1997-1997-1997-1997-1997-1997-1997				
42. PRINTED NAME, RANK/GRADE, TITLE	OF REVIEWER		43. REVIE	VER SIGNATURE	44	4. DATE
4th ENDORSEMENT (59 MDW/SGVU Use C	Only)					
45. DATE RECEIVED	4			NOTIFIED BY PHONE OF APPF		DISAPPROVAL MESSAGE
47. COMMENTS APPROVED DI	SAPPROVED					
48. PRINTED NAME, RANK/GRADE, TITLE	OF REVIEWER		49. REVIE	VER SIGNATURE	5	D. DATE
59 MDW EORM 3039 20160628	PREVIOUS	SEDITION	S ARE OB	SOLETE		Page 3 of 3 Pages

## Develop a Code Blue Raquel G. Trevino, RN, BSN, MS-BC, MA Training Program Use of Data to Renée I. Matos, MD, MPH Matthew A. Borgman, MD Heather M. Delaney, MD **HSMI** JANUARY 28-FEBRUARY 1, 2017 | ORLANDO, FL USA Society for Simulation in Healthcare

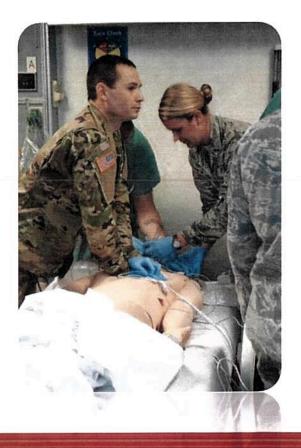
THE HEART OF **PATIENTS**: SIMULATION BROOKE ARMY MEDICAL CENTER A TEAM OF TEAMS...CREATING TOMORROW'S TODAY

## Disclosure

- We have <u>no</u> significant financial interest or other relationship with any products, manufacturers, or providers of service
- We will <u>not</u> be discussing any non FDA-approved or off-label uses of any products/providers of service
- The views expressed herein are those of the presenters and do not reflect the official policy or position of Brooke Army Medical Center, the U.S. Army Medical Department, the U.S. Army Office of the Surgeon General, the Department of the Air Force, the Department of the Army or the Department of Defense or the U.S. Government.
- The views expressed are those of the presenters and do not reflect the official views or policy of the Department of Defense or its Components.

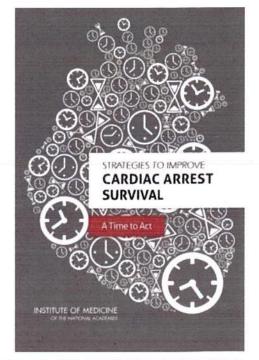
## Learning Objectives

- Identify methods to determine institutional gaps in performance (knowledge, skills, or attitudes) related to Code Team performance.
- 2. List strategies to garner administrative support for a new comprehensive training program and create a sense of urgency for change.
- 3. Describe methods for linking learning objectives to performance gaps utilizing high-fidelity simulation scenarios with enhanced technology.



## Background: Identifying the Problem

- Poor quality CPR should be considered a preventable harm
- High-quality CPR is the primary component in influencing <u>survival</u> from cardiac arrest



Meaney PA, et al. *Circulation*; 2013. Morrison LJ, et al. *Circulation*; 2013. Institute of Medicine; 2015.



## 2015 BLS Guidelines

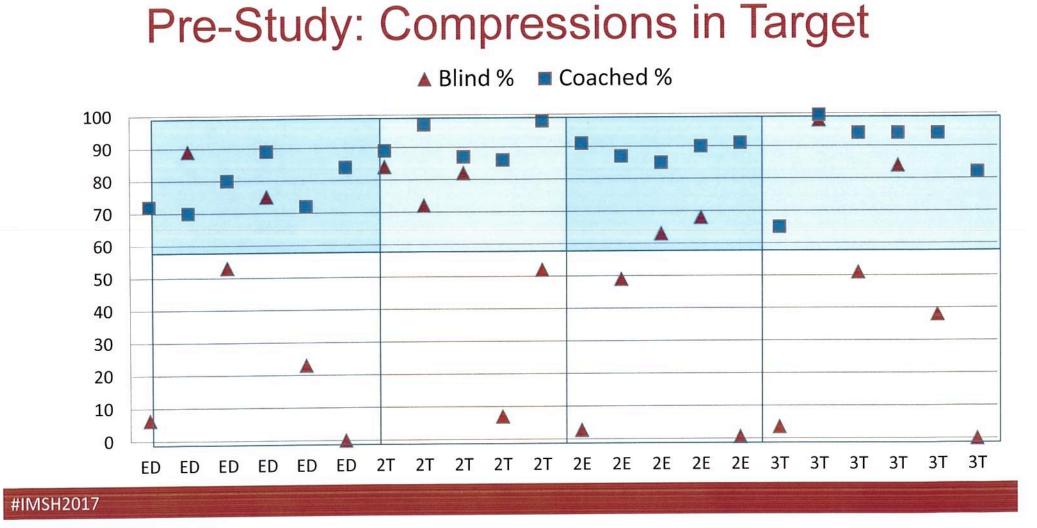
- Depth >2 inches
- Rate 100-120
- Full Recoil
- Pauses < 10 seconds</li>
- Rapid defibrillation
- Do not hyperventilate





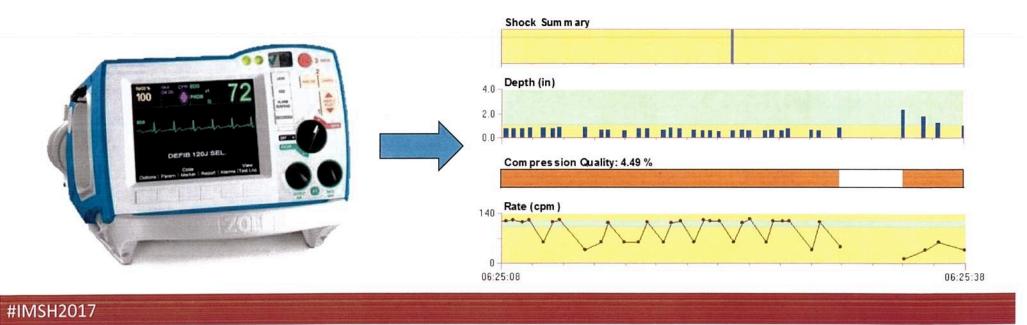
# Step 1: Gather Your Data





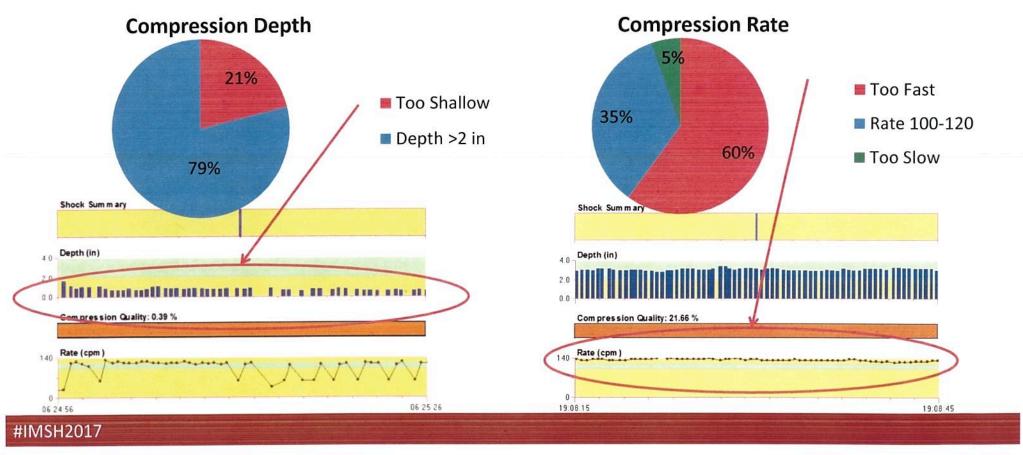
## **Baseline Data Collection**

- February 2015: New defibrillators with the ability to provide real-time CPR quality feedback on rate, depth, & pauses
- Transmission of code events via WiFi after the event



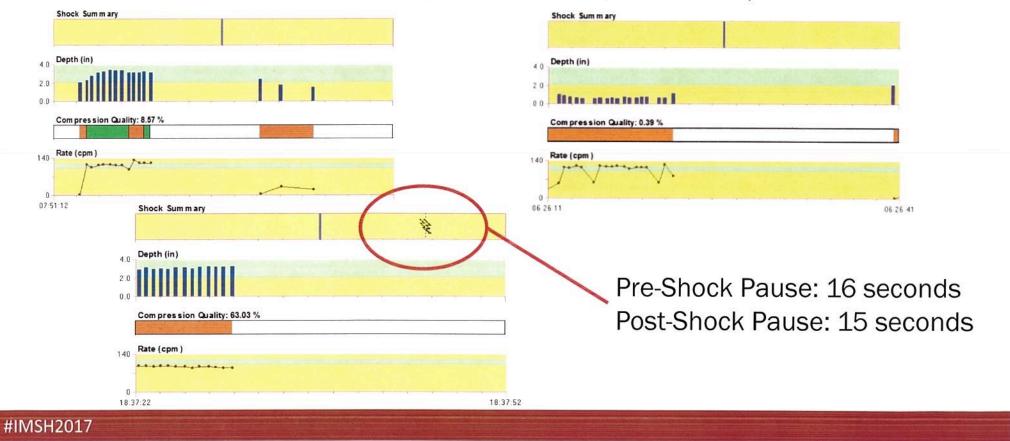
## **Opportunities for Improvement**

• 27% of CPR in Target (Rate & Depth)



## **Prolonged Pauses**

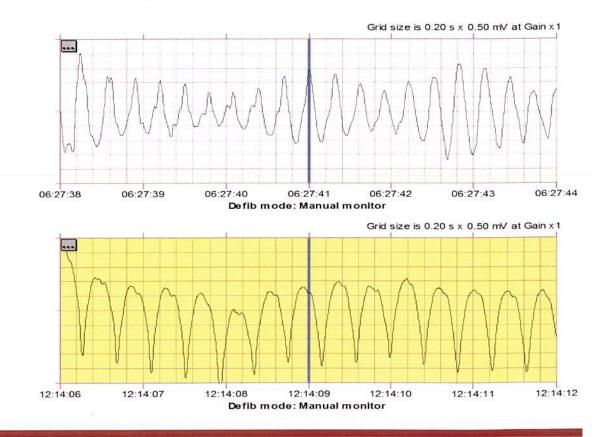
## • Poor CPR Fraction – several pauses >10 sec (max 196 sec)



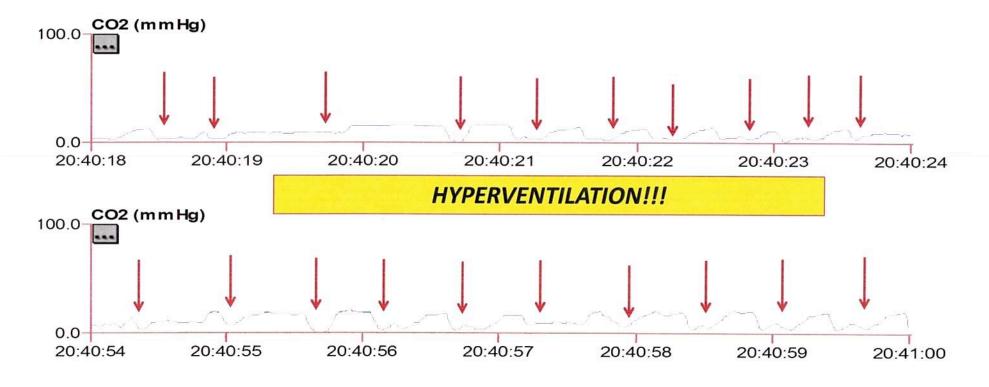
## **Rhythm Recognition**

## Rhythm Recognition

- Torsades de pointes
  - · No energy delivered
  - No Magnesium
  - No ROSC. Patient died.
- Ventricular Tachycardia
  - 6 minutes to defib
  - No ROSC. Patient died.

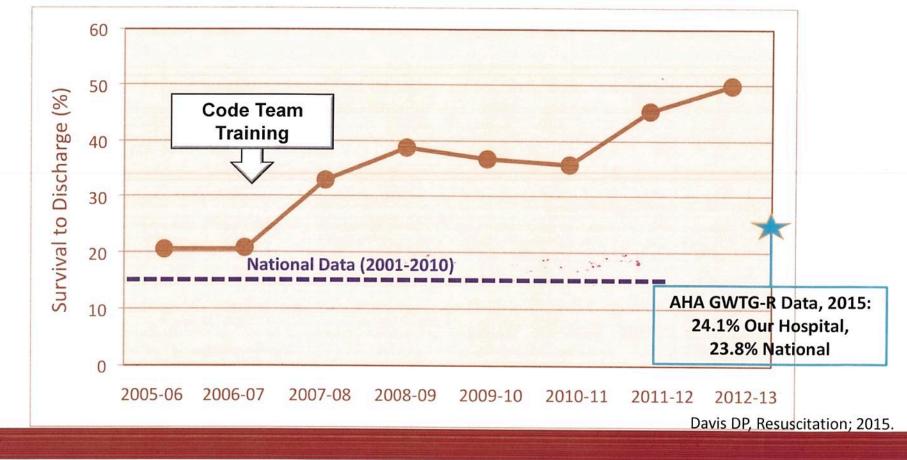


## Inconsistent EtCO2 Use, and...



• Each blip = 1 breath. Goal: 1 blip per 6 sec screen

## **Comparing Meaningful Outcomes**



## Step 2: Identify Key Stakeholders

## **Key Stakeholders**

- ICU Nursing
- MICU
- Surgery
- Respiratory Therapy
- Pharmacy
- GME
- Hospital Education
- ED

- Anesthesia
- Pediatrics
- Neonatology
- Simulation Center
- Clinical Emergency Response Committee

## **Enlisting Buy-In**



- Garner Leadership Support
- Create a sense of urgency
- Know your audience...
- Reds: Action oriented; want results NOW
- Blues: Interpersonal
- Greens: Problem solvers; Include Data
- Yellows: Detail oriented; enjoy structure; punctual

https://www.paceorg.com/

## Creating a Sense of Urgency...

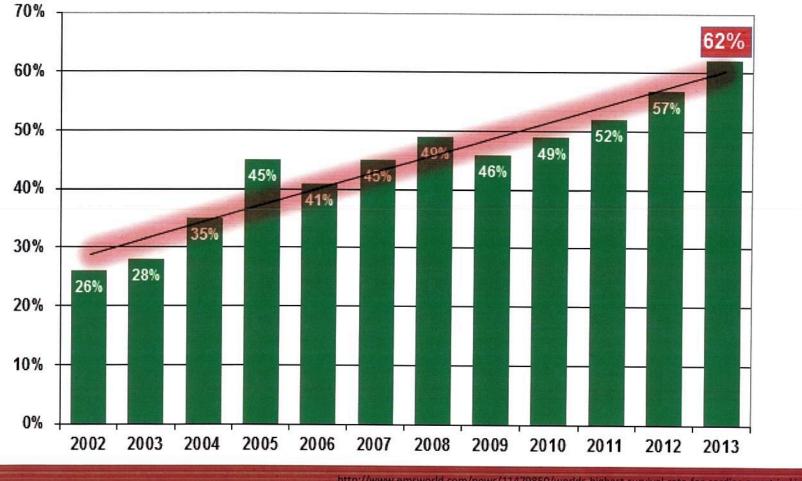


http://thetraveljoint.com/daylife/pike-place-market-seattle/

https://www.clarkconstruction.com/our-work/projects/brooke-army-medical-center

## **Success at Other Facilities**

Cardiac Arrest Survival in Seattle & King County, 2002-2013



#IMSH2017

http://www.emsworld.com/news/11479850/worlds-highest-survival-rate-for-cardiac-arrest-in-king-county-wash

## **Considering Options**



# Step 3: Designing a Course

## **Educational Objectives**

At the completion of the Code Team Training course, participants will be able to:

- 1. Recognize emergency situations
- 2. Identify the roles and responsibilities of each code team member
- 3. Describe 2015 AHA ACLS, BLS, and CPR updates
- 4. Perform and direct high quality CPR
- 5. Demonstrate the ability to use continuous waveform capnography to analyze CPR quality and transmit data to WiFi
- 6. Apply use of Team STEPPS in a code situation
- Demonstrate the ability to provide effective closed-loop communication using SBAR, Callouts, Check backs, and CUS words
- 8. Value individual code performance in improving cardiac arrest outcomes

## Agenda

**Purpose:** To create Code Blue Team Leaders that will be empowered to improve resuscitation outcomes at SAMMC

0800: Welcome/Expectations/Background (\*Pre-Survey Now!)

0805: Didactics

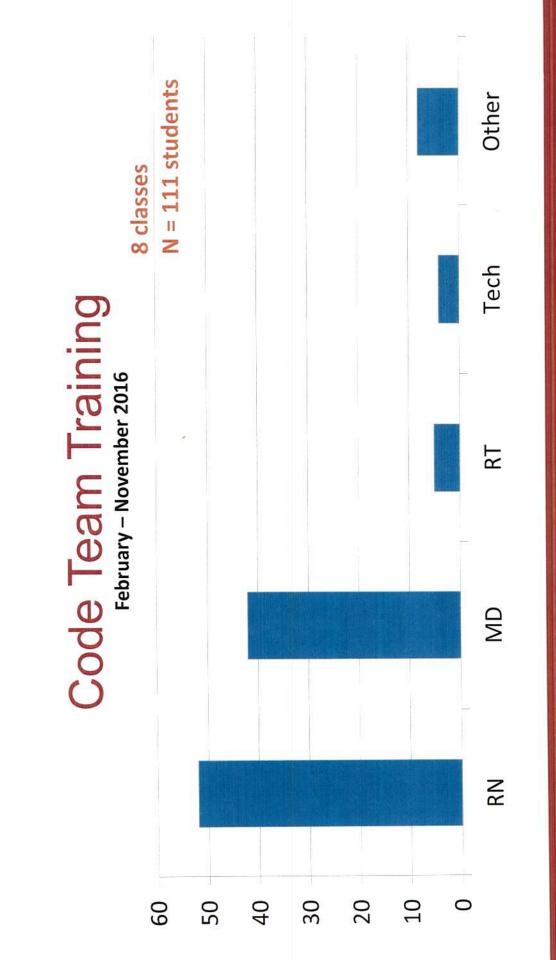
0905: Hands-on breakout session

CPR Quality Challenge

1000: Competency Simulation Stations

1130: Final Debrief/Questions/Evaluation/Post Survey

1200: Course Ends



## Focus on CPR Basics

- Push Hard (>2 inches)
- Compression Rate 100-120
- Rapid defibrillation
- Reduce pauses (< 10 seconds)
- CPR after defibrillation
- Do NOT hyperventilate (1 breath q6 sec)
- Full chest recoil
- Rhythm recognition

## WHEN do I call a Code Blue?

## • Any of these:

- NOT Breathing
- NO Pulse
- No Response
- Patient is in an outpatient environment where the patient requires medical support that exceeds the capabilities of that area



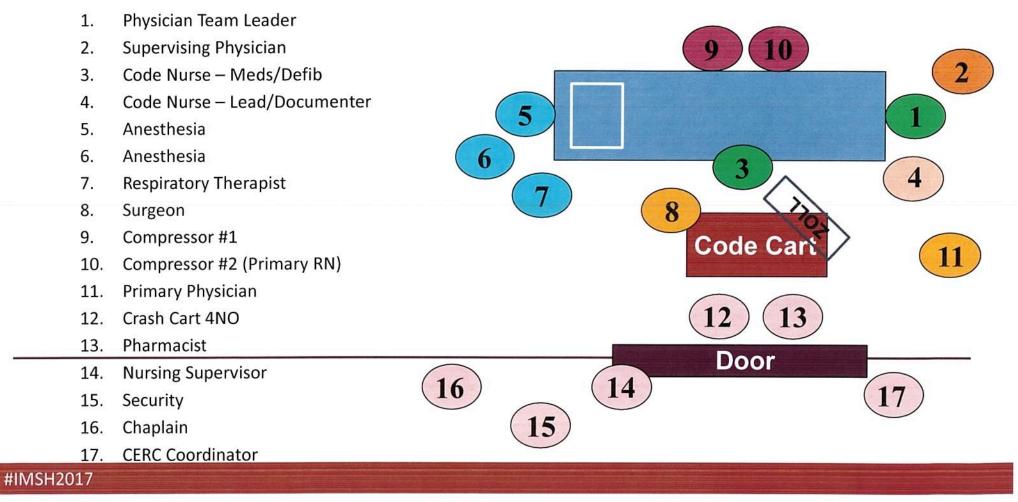
## HOW do I call a Code Blue?

- 1. PUSH the wall alert button near you
- 2. CALL 3-1111
  - State: Adult vs Peds
  - Location (+ Room # when applicable)
  - Don't hang up until Comm confirms
  - \*\*Always do both\*\*





## **Code Team Roles**



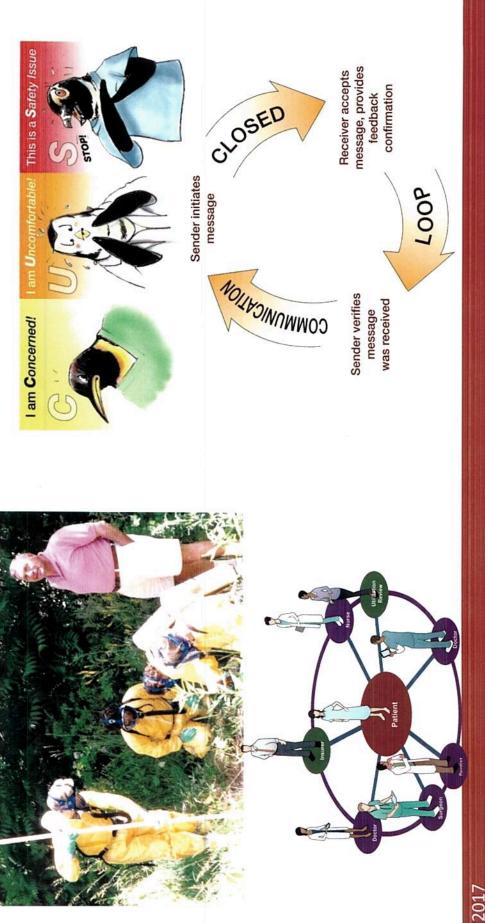
## Code Team Roles

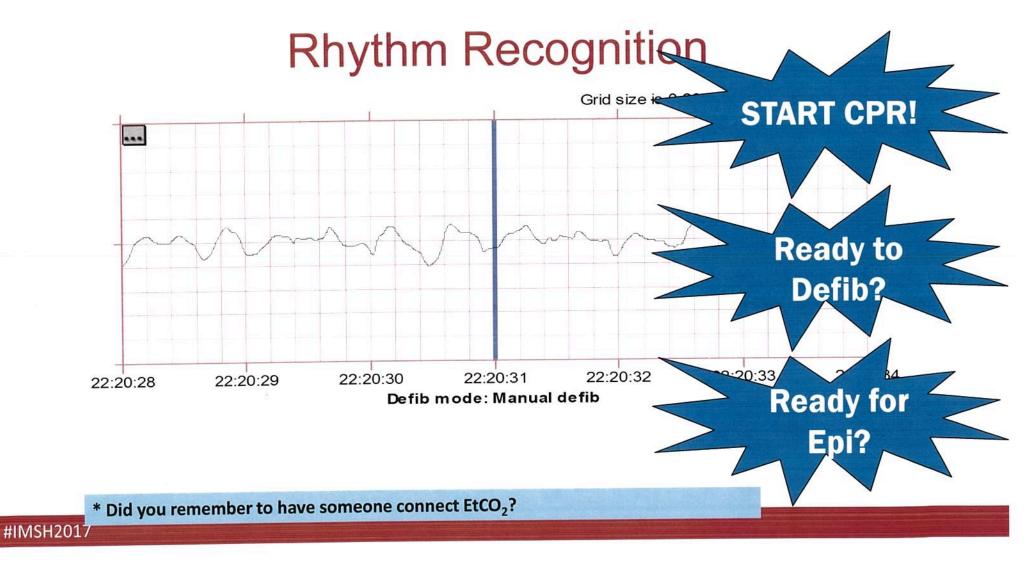
- CROWD CONTROL !!!!
- If needed, calls ICU to inform unit of patient transfer
- Facilitates completion of After Action Report





## Team STEPPS





## Rapid Defib Assessment

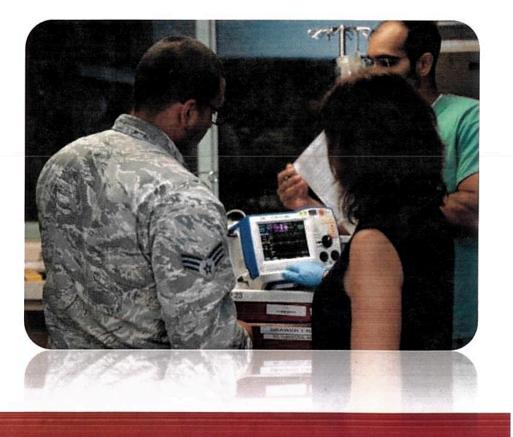


Data Transmission associated with survival!

	Transmitted Events	No WiFi Transmission	p-value
ROSC	63.9%	38.9%	0.0004
Survival to Hospital Discharge	35.1%	21.3%	0.043

### Hands-On Small Groups

- Crash Cart content review
- Zoll defibrillator hands-on
- Individual 1-minute CPR challenge with CodeNet feedback





## Step 4: Incorporating Simulation

### **Competency Simulations**



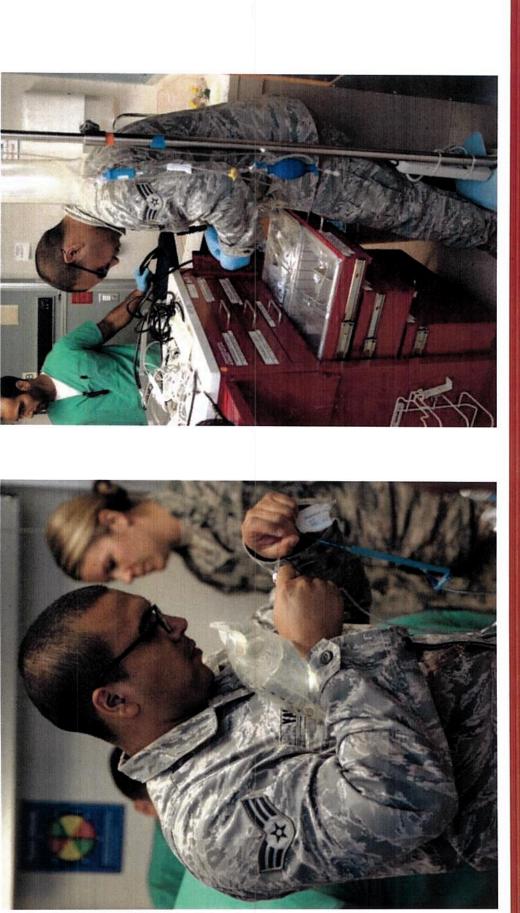
- SimMan<sup>™</sup> 3G (Laerdal<sup>®</sup>)
- Team-based scenarios
- Team members ideally in their roles (6-10 per group)
- 2 sims based on real patients
- Use real crash carts with med lines for medications and fluids





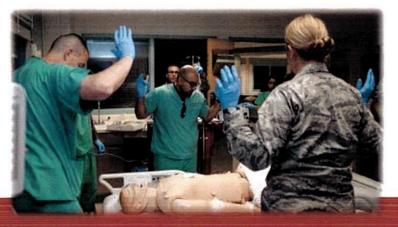


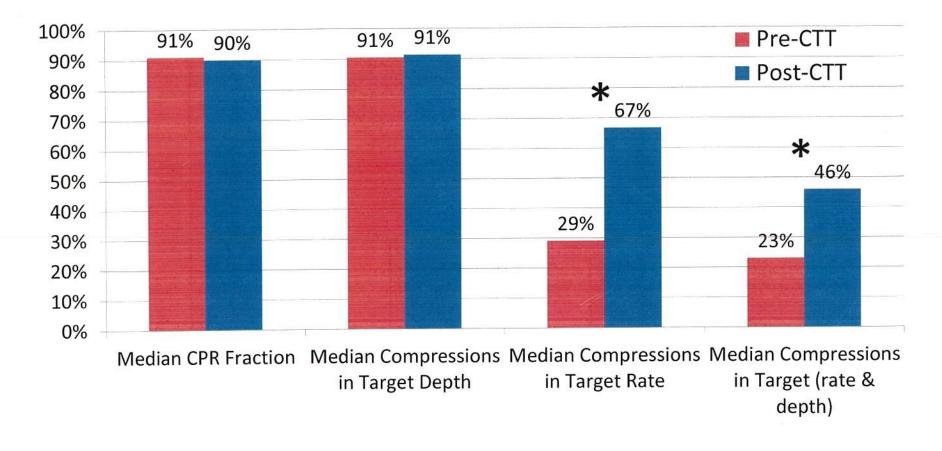




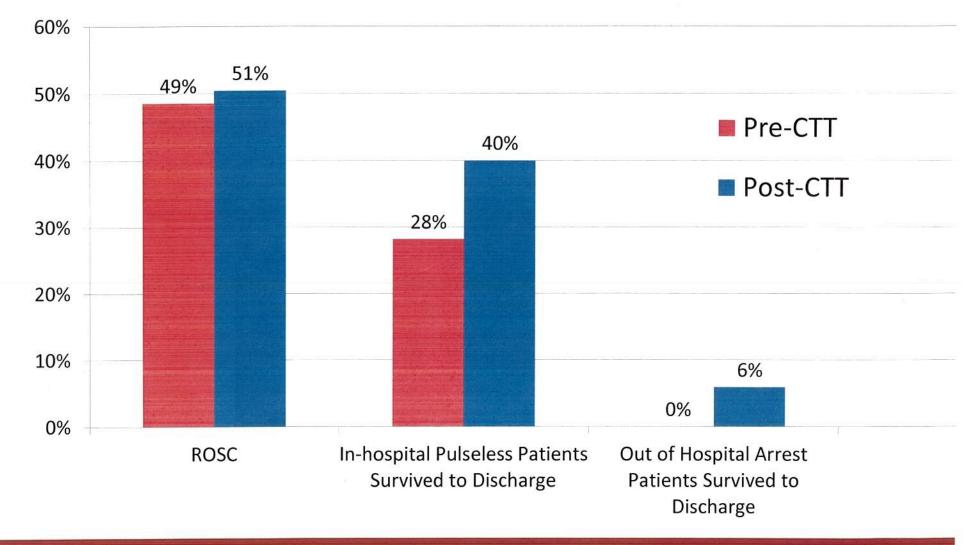
### Results of Code Team Training (CTT)

	Pre-CTT	Post-CTT
Pulseless events, n	142	91
Pulseless patients, n	112	79
Events Transmitted to CodeNet, n (%)	63 (44.4%)	43 (47.3%)
Total Compressions, n	52,795	50,169
Median Compressions, n	599	903
Median Time in Compressions, min:sec	06:07	07:39





\* *p*<0.05



### **Participant Feedback**

- "I feel like my ability to perform high quality CPR has improved as a result of this course."
- "I learned skills relevant to code team participation in this course."
- "I believe that a Code Blue Team dedicated to running all code blue events will lead to more organization and ultimately to better patient outcomes."
- 87.5% of participants felt like their confidence in code team participation improved as a result of the course.

### **Overall Goals**

### • Would more people survive if we did better CPR?

- Estimated in-hospital pulseless cardiac arrests at SAMMC for 2015: 92 patients
  - 24% survival: 22 patients
  - 40% survival: 37 patients

← 15 lives per year!

- This is already working! CPR quality increased from 23% to 46% in target and survival is up to 38%
  - Units with trained nurses have better CPR quality
  - 10 inpatient lives saved in the 1<sup>st</sup> year of CTT (+ 5 lives from CPR in progress)

### • 1 life saved for every 6-7 in-hospital pulseless codes

### **Next Steps**

- Complete Training Key Team Members
- Continued Support:
  - Running this course is time-intensive and labor-intensive
  - Applying for a JPC-1 Simulation Grant to continue to institutionalize this project
- Follow-up:
  - Plan is to check in q3 months for a 2 minute CPR challenge and a 3minute knowledge and attitude questionnaire







# Thank you for attending



JANUARY 28-FEBRUARY 1, 2017 | ORLANDO, FL USA

Regional Health Command Central Human Research Protection Office		APPLICATION FOR A NOT RESEARCH DETERMINATION				
Staff who are covered under the SRMC Assurance who plan to perform an activity but are unclear as to whether it constitutes research or an activity that is not research such as utilization review, performance or quality improvement and who desire a review and determination from the Human Research Protection Office, should complete this application. See HRPP Policy Memo 3.9, Determinations of Not Research for further guidance.						
Section 1: General Contact Information						
Name of project lead: Dr. Renee I M		Dr. Renee I Matos				
Organization Clinical Emergency R		Clinical Emergency Respon	onse Committee, Department of Pediatrics			
Phone number:		210-916-1070				
Email address:		renee.i.matos.mil@mail.mil				
Other staff on project:		Dr. Heather Delaney, Dr. Erika Bernardo, Dr. Sara Bibbens				
Date of submission:		11/10/15				
Title of project: Improving Compression Quality at a		uality at a Single Institu	ution Through Real-Time CPR Feedback			
Section 2: Parameters Select all that apply						
	The project includ	les testing the safety and ef	ficacy of a drug or devi	ce in a human subject.		
	You <b>PRIMARILY</b> intend the information you learn from this project to be generalizable beyond your institution <i>If yes, describe in section 3</i>					
	You <b>PRIMARILY</b> intend the information you learn to provide immediate and continuous improvement and feedback at your institution If yes, describe in section 3					
	The activities or interventions are considered standard of care If yes, describe in section 3					
	Data will be colled	cted from living individuals through some type of intervention If yes, describe in section 3				
	You will interact v	vith a living individual If ye	s, describe in section 3			
	You will access in	a will access individually identifiable information If yes, specify the identifiers below				
	🛛 Names	Licens	se number	Photo or audio recordings		
	Address	Phone	e numbers	Unique code, including rank		
	SSN	🗌 Fax n	umbers	Health plan number		
	MRN	🗌 E-ma	ail	Biometric identifiers		
		IP ad	ldress	Device identifiers		
	⊠ Dates		number			
$\boxtimes$	Do you intend to publish this project?					
Sec	tion 3: Project D	Description		8 8		
Part I: Process, program, or system to be improved or assessed			or assessed			
The 2015 American Heart Association guidelines recommend a cardiopulmonary resuscitation (CPR) depth of 2 inches and a rate of 100-120 compressions per minute. This project aims to evaluate the improvement of CPR quality provided during cardiopulmonary arrest events at our facility, through the use of real-time audiovisual feedback with Zoll defibrillators. Zoll defibrillators have already been deployed at SAMMC. These defibrillators are able to collect information regarding the quality of chest compressions (ie. rate and depth) provided during CPR, and allow for real-time feedback of CPR quality. These data are currently evaluated by the Clinical Emergency Response Committee as part of ongoing quality improvement and are reported to the Medical Care-Line Team, the Process Improvement and Patient Safety Committee, and then to the Medical Staff Executive Committee. We plan to evaluate the data obtained from code events over the last 18 months, and observe the impact of real-time audio-visual feedback on the quality of CPR during 6 month intervals. We will also look for an association between high quality CPR and select patient outcomes including return to spontaneous circulation (ROSC) and survival to hospital discharge.						
Part II: Purpose and/or intent						

The purpose of this project is to evaluate the improvement to the quality of CPR delivered at our facility after utilizing real-time audio-visual feedback for chest compressions. We will additionally observe for improvements in CPR quality and patient outcomes which could, in turn, impact the overall mortality associated with in-hospital pulseless cardiac arrest.

Part III: Performance indicators / Quality Benchmarks

1) We will assess CPR quality of transmitted CPR data. Specifically, we will examine chest compressions delivered within target rate (100-120 min<sup>-1</sup>) and depth (>2 inches), in accordance with the 2015 AHA guidelines on CPR. And then determine if any improvements have been made in CPR quality.

2) We will assess the rate of ROSC following in-hospital pulseless cardiac arrest after which the CPR data was transmitted for quality evaluation, and compare with code events where data was not transmitted and quality could not be evaluated.

3) We will assess the rate of survival to hospital discharge following in-hospital pulseless cardiac arrest during which CPR was performed and recorded, and compare with code events where data was not transmitted and quality could not be evaluated.

Part IV: Project Description / Methodology

Zoll<sup>®</sup> (Chelmsford, MA) R series<sup>®</sup> defibrillators were deployed at our institution in February 2015. Using CodeNet<sup>®</sup> (Zoll, Chelmsford, MA) software, these defibrillators were used to document CPR quality, including chest compression rate and depth, which are reviewed by Dr. Matos. Beginning in February 2015, our facility was collecting real-time CPR quality data from cardiopulmonary arrest events. CPR data from the code event must be transmitted by the provider at the end of the code for quality analysis. If data is not transmitted after the code event, quality data regarding compressions within AHA target guidelines cannot be determined.

Part v: Data to be collected

We will collect retrospective demographic data for each event (from February 2015 to July 2016) including event location (ex. ICU vs. ED vs. OR) and patient age. We will also collect data about CPR quality, including chest compression rate and depth, underlying rhythm, as well as length of the cardiopulmonary arrest event for the transmitted events. Additionally, assessed for all events.

Part VI: Anticipated effect on process, program, or system

High-quality CPR is the primary component in influencing ROSC and survival from cardiac arrest. We believe that there will be a gradual improvement in CPR quality over the 18 month time period with the addition of real-time audio-visual feedback and further CPR training for hospital staff. We also believe there will be an association between improvement in CPR quality and ROSC and survival to hospital discharge when comparing zoll data in 6 month increments over an 18 month period. We do not have the ability to compare CPR quality data prior to implementation of the Zoll, but we can compare historical data on ROSC and survival hospital discharge.

With the information we receive from this project, we plan to evaluate other feedback mechanisms to further improve CPR and resuscitation quality.

Signature obtained in first submission

For processing of the determination, please complete the application above and return the completed form via email to: Ileana King-Letzkus, Sr. Education and Training Coordinator (Ileana.e.king-letzkus.civ@mail.mil)



DEPARTMENT OF THE ARMY REGIONAL HEALTH COMMAND CENTRAL (PROVISIONAL) 4070 STANLEY ROAD, SUITE 121 JBSA FORT SAM HOUSTON, TEXAS 78234-2715

MCSR-CS

28 November 2016

MEMORANDUM FOR Dr. Renee I Matos, Clinical Emergency Response Committee, Department of Pediatrics, SAMMC

SUBJECT: Request for Not Research Determination of Your Project, "Improving Compression Quality at a Single Institution through Real-Time CPR Feedback"

1. Thank you for submitting your project, "Improving Compression Quality at a Single Institution through Real-Time CPR Feedback". The project is designed to use the performance data collected by the Zoll defibrillators to evaluate the quality of cardiopulmonary resuscitation (CPR) events since implementation at this institution in February 2015. Additionally, the project will collect retrospective information on CPR patient outcomes to evaluate improvement in patient care at this institution. The proposed activity does not meet the definition of research as defined in 32 CFR 219.102(d) as it is not intended or designed to create generalizable knowledge. The activity, as described, does not require an IRB submission.

2. Any manuscripts resulting from the project described must be submitted for review and clearance prior to publication IAW your institutions local publication clearance policy. Many journals are interested in publishing projects that are not research. If you do decide to publish your findings, please use paragraph headings such as: "issue," "procedures for collecting and evaluating information," "information found," "lessons learned," etc. and avoid using headings such as "research questions or hypothesis," "methods," "results," "study limitations," etc.

3. For any questions or concerns, please contact Ileana King-Letzkus at Ileana.e.King-Letzkus.civ@mail.mil or by phone at 916-2000.

Jupa S. Platteborge

LYNN S. PLATTEBORZE MS, RAC, CIP SRMC Exemption Determination Officer