



59th Medical Wing



Nurse Anesthetists' Perceptions of Multimodal Training Value

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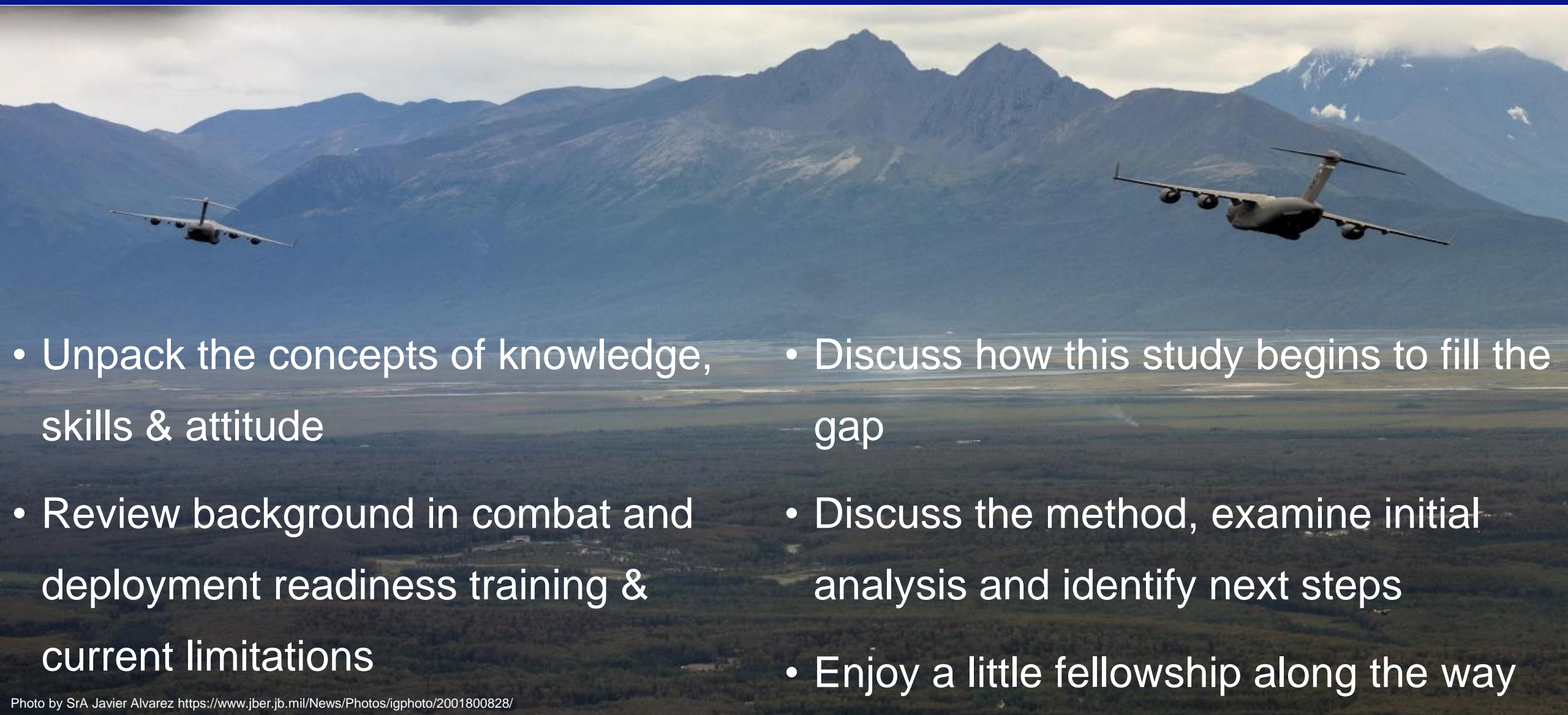
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- The authors have no conflicts of interest to report*
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USAF photo by Alejandro Peña at <https://afterburner.com.pl/airborne-training-in-austere-environment/>



Presentation Overview



- Unpack the concepts of knowledge, skills & attitude
- Review background in combat and deployment readiness training & current limitations
- Discuss how this study begins to fill the gap
- Discuss the method, examine initial analysis and identify next steps
- Enjoy a little fellowship along the way

Photo by SrA Javier Alvarez <https://www.jber.jb.mil/News/Photos/igphoto/2001800828/>



Introduction



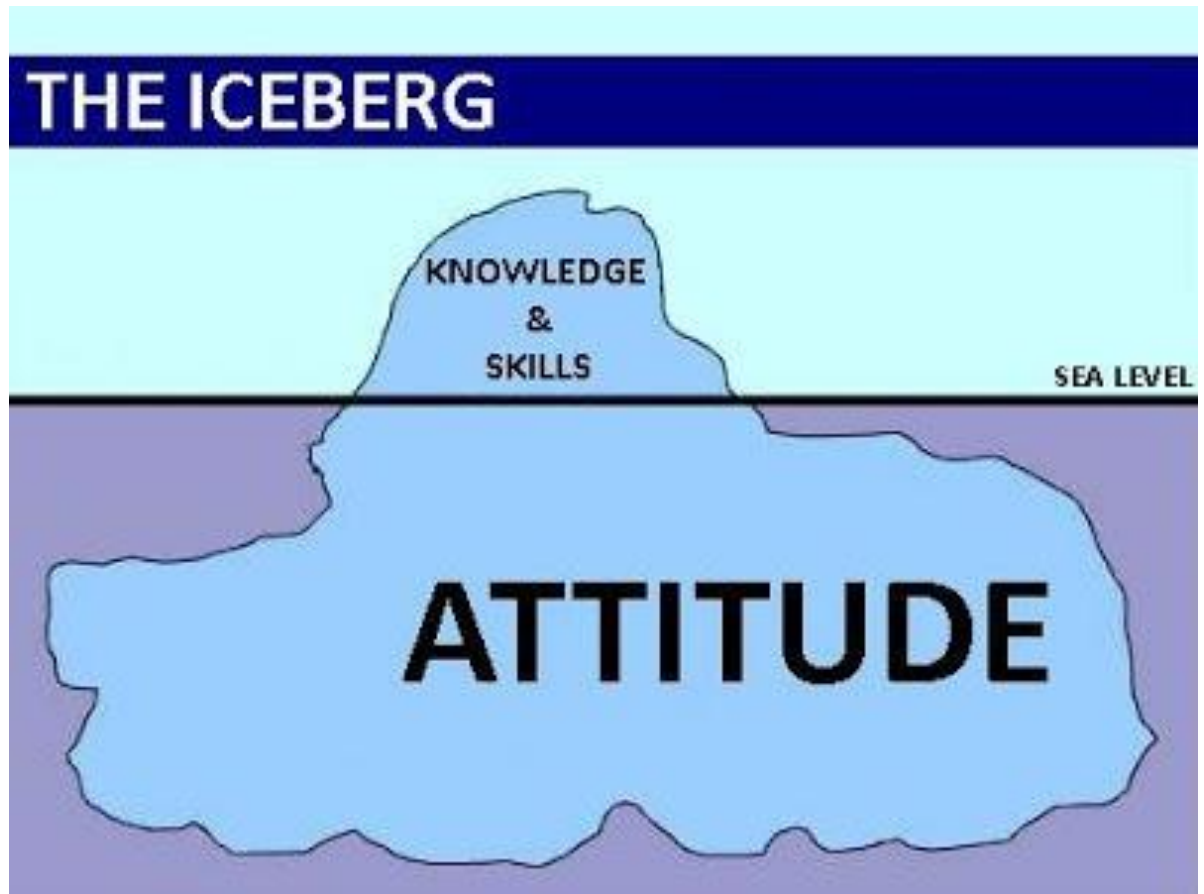
Synergy between Knowledge, Skills & Attitude



[https://www.pinterest.se/pin/513621532497987838/?amp_client_id=CLIENT_ID\(&mweb_unauth_id={{default.session}}&from_amp_pin_page=true](https://www.pinterest.se/pin/513621532497987838/?amp_client_id=CLIENT_ID(&mweb_unauth_id={{default.session}}&from_amp_pin_page=true)



Introduction



<http://primmsplace.blogspot.com/2011/04/iceberg.html>



Background



- KSAs in garrison differ from those in an operational environment
- Basic skills include scope-of-practice and just-in-time deployment training
- Skills that are not routine in low tempo ops deteriorate when not sufficiently practiced
- Military medical personnel often feel un- or underprepared for deployment





Gap



- Most effective training modalities and application are unclear
- Experiences of combat-deployed CRNAs are not well documented
- Gap between in garrison versus deployed CRNA KSAs
- Expert opinions currently guide readiness and sustainment training



Photo by TSgt D. Clare at <https://media.defense.gov/2008/Jan/04/2000416556/-1/-1/0/071204-F-9930C-071.JPG>



Ultimate Goal



*Bring our
people home
ALIVE!*



<http://wilesmag.com/2014/wounded-warrior-project>



Strategic Trauma and Readiness Center (STaRC)



- Pre-deployment team training
- Uses a combination of training modalities
- Takes place in austere and trauma settings
- Under SME observation

<https://www.med.navy.mil/Media/News/News-Article/Article/2812982/navy-surgical-teams-first-to-participate-in-armys-strategic-trauma-readiness-ce/>



Objective



- ***Explore the perceived value of multimodal training in a field environment in terms of how confident and competent CRNAs believe themselves to be in delivering care in combat to inform and improve readiness training***



<https://media.defense.gov/2007/Jul/06/2000473628/-1/-1/0/070705-F-2185F-071.JPG>



Specific Aims



- ***Describe nurse anesthetists' perceptions of the value of multimodal training in an austere field environment***
- ***Describe the perceived effectiveness of multimodal training on nurse anesthetists' self-assessed competence and confidence to perform the necessary deployment skills of their role***

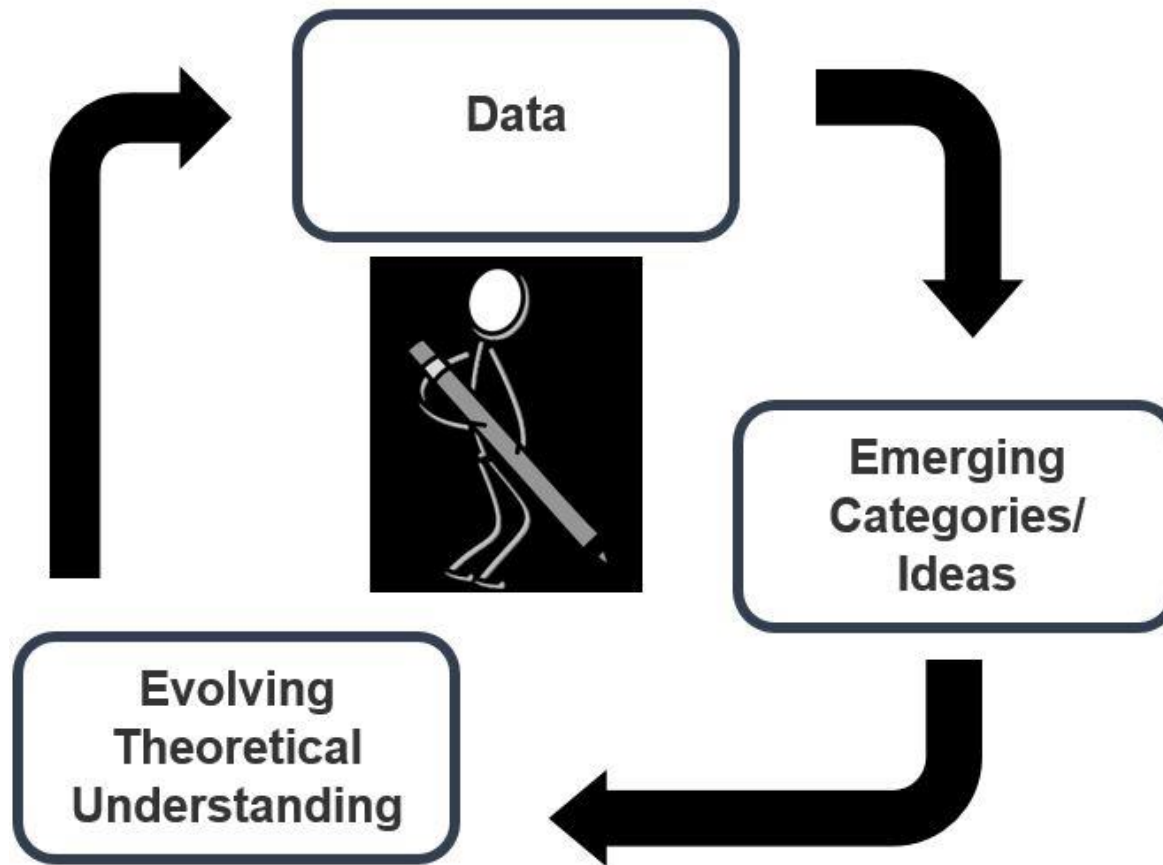




Methods



Cycle of Constant Comparison



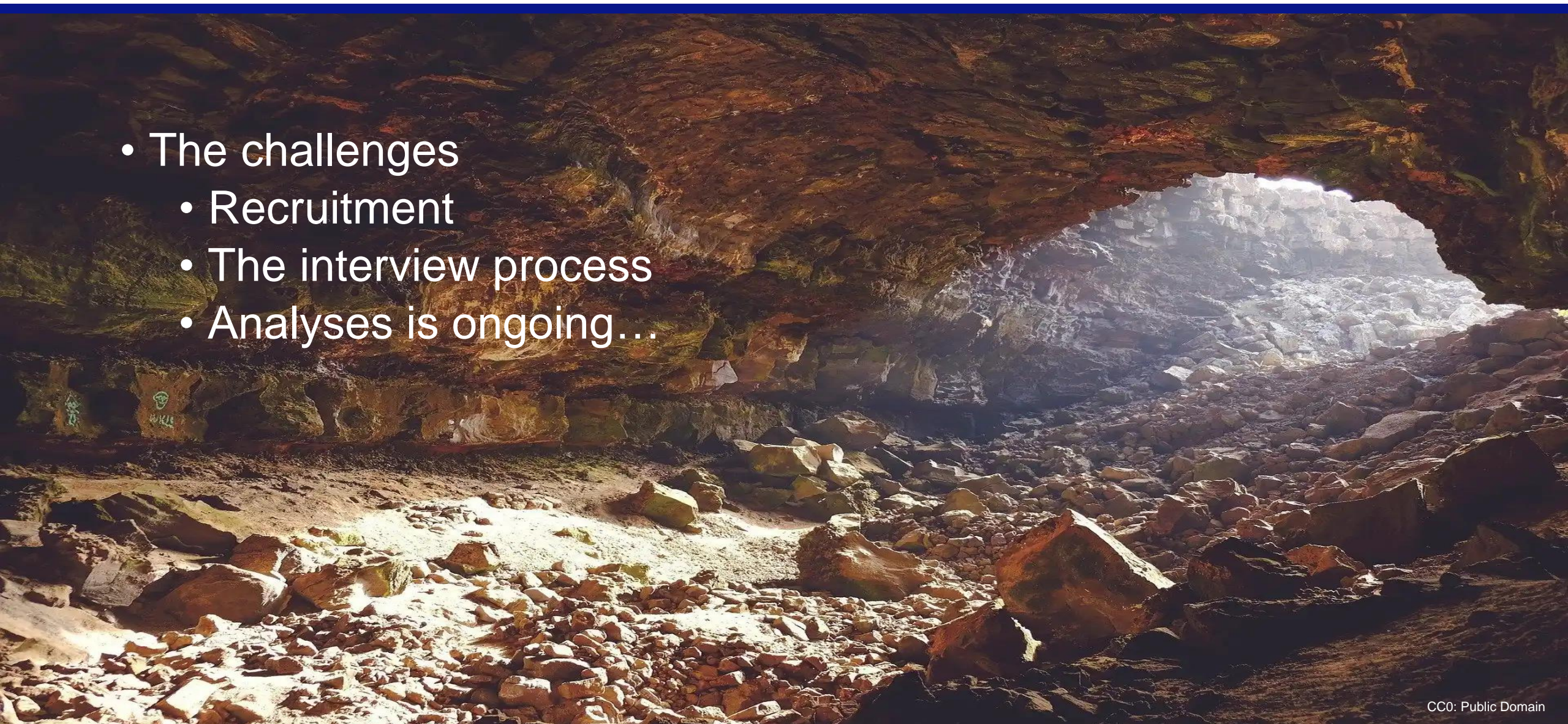
<https://viva.pressbooks.pub/mswresearch/chapter/22-thematic-analysis/>



Initial Analysis



- The challenges
 - Recruitment
 - The interview process
 - Analyses is ongoing...





Summary



- Acquisition and maintenance of clinical KSAs are critical to survival
- Little evidence to guide selection of types, methods or even a hierarchy of training modalities
- This study is the first to characterize CRNAs' perceived competence and confidence related to KSAs

<https://www.afcent.af.mil/Units/386th-Air-Expeditionary-Wing/News/Display/Article/1904225/medics-tacps-train-together-to-enhance-medevac-efforts/>



Future Directions





Questions?



PEOPLE

MISSION

INNOVATION