**Anesthesia Handoff Education/Training Resources Review** 

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Resource Identifier	Discipline	Level	Handover Type	Method of	<b>Brief Description Resource</b>	Notes		
	_	Learner		Learning	_			
Arora V.  Hospital handoffs for intern orientation.  http://www.mefeedia.com/watch/31931488	internal medicine	medical students residents	shift change on wards	video	4-minute video example of inadequate handoff that includes handoff pre-work, the handoff (giver and receiver), overnight events, and a clip of follow-up discussion the next morning.,	video example of how not to hand off     could be used at intern level or for anesthesia residents during ICU rotation orientation.		
Accessed 2.25.18								
Aylward M.  An interactive workshop to increase resident readiness to perform patient hand-offs.  MedEdPORTAL Publications. 2012;8:9189.  http://doi.org/10.15766/mep_2374_8265.9189  Accessed 2.25.18	internal medicine pediatrics	interns residents	shift change on wards	didactic video	90-minute workshop for intern orientation for medicine and med-peds residents. Includes workshop materials, hand off video, case presentation, and instructor guide. 26%increase in resident readiness to perform handoffs after workshop training.	<ul> <li>internal medicine specific-includes primary team, long call and night float resources.</li> <li>short, inexpensive, seems easy to run</li> <li>designed for resident orientation</li> <li>some educational objectives cross disciplines</li> <li>"manage the environment around them to facilitate safe and effective handoff"</li> <li>"Use 'ifthen' statements to provide anticipatory guidance around 'to-do' items.</li> <li>5 minute video that shows very good, realistic IM sign-out and would be effective contrast to Arora video</li> </ul>		
Calaman S, Hepps JH, Bismilla Z, Carraccio C, et al.  The creation of standard-setting videos to support faculty observation of learner performance and entrustment decisions.  Acad Med 2016;92(2):204-209.	pediatrics	faculty	shift change on wards	peer-review article video	Peer reviewed manuscript describes standard-setting videos designed to portray all five milestone levels of a handoff. Each item on the handoff assessment form is based on a competency (e.g., patient care, interpersonal and communication skills) and each item has five behavioral descriptors representing the five levels from novice to expert. The videos were developed and validated to be used for faculty development tools to help faculty to prepare for their role as handoff observers. The final versions of these videos are available from the authors by request.  Correspondence should be addressed to Sharon Calaman, St. Christopher's Hospital for Children, 160 E. Erie Ave., Philadelphia, PA 19134; telephone: (215) 427-8846; e-mail: Sharon.calaman@drexelmed.edu.	paper describes authors' experience in creating standard-setting videos.     gives framework for other organizations interested in creating local videos     scenarios are mapped to milestones within framework of GME competencies     would need to obtain from authors to further vet videos     could be used in the ICU or adapted for other anesthesia-related handovers		
Calaman S, Hepps J, Spector N, et al.  I-PASS Handoff Curriculum: Handoff Simulation Exercises. MedEdPORTAL. 2013  www.mededportal.org/publication /9402.  Accessed 2.25.18	pediatrics	residents faculty	shift change on wards	simulation	Provides simulation scenarios using IPASS construct. The role-plays allow practice with the techniques and include resident and faculty feedback to help learners refine the skills learned and place them in context. Three role-plays involve performing an I-PASS handoff with a giver, receiver, and observer	well-developed     could potentially be adapted to intraoperative handover or OR-PACU, OR-ICU handover		

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Chen JG, Mistry KP, Wright MC, Turner DA.  Postoperative handoff communication: a simulation-based training method.  Simul Health 2010;5(4):242-7.	pediatric critical care	Learner multi- professional	OR to ICU	Learning simulation	Description of 2 high-fidelity simulation scenarios of post- cardiac surgery patients going to PICU	Scenarios focus on the receiver as embedded participants are surgeon and anesthesiologist     could be used to develop similar scenarios for multi-disciplinary teams in OR to ICU handovers
Davis J, Roach C, Elliot C, Mardis M, Justice EM, Riesenberg L  Feedback and assessment tools for handoffs: A systematic review  JGME 2017; 9(1): 18-32	multiple	medical students residents	multiple	peer-review article	Systematic review of assessments/tools to evaluate trainee handoff skills yielded 26 articles and 32 tools for inpatient handoffs.	multiple references here for different types of handoff tool assessments     annotated Bib of tools included as online supplement is a helpful summary
Drachsler H, Kicken W, van der Klink M, Stoyanov S, Boshuizen HP, BarachP.  The Handover Toolbox: a knowledge exchange and training platform for improving patient care  BMJ Qual Saf 2012; 21(Suppl 1): 114-20.  http://patient-project.eu/?page_id=120.  Accessed 2.25.18	multiple	multi- professional	multiple	didactic simulation	Online resource to develop/design and implement training related to handovers based on European collaborative network	<ul> <li>144-page manual for training purposes including 1) needs assessment, simulation methodology and scenarios, tools, and technology</li> <li>Available in other languages</li> <li>May be useful on an institutional level</li> </ul>
Emergency Medicine Patient Safety Foundation. Safer Sign Out. http://safersignout.com/. Accessed 2.25.18	emergency medicine	faculty	shift change	reading material video	Downloadable toolkit for emergency rooms interested in standardizing and evaluating the initiation of a handover process. It provides introductory letter, necessary resources including a video to help implement this tool within an emergency room, pre- and post-intervention evaluation, and other materials to enhance buy-in from providers. Download requires registration but materials are for free.	high quality resources, some of which could be adapted to another handoff mnemonic and implementation.     Could be adapted to ICU or PACU shift-to-shift or break relief (See Appendix for copy of SAFER Sign Out tool)
Eskildsen M, Bonsall J, Miller M, Ohuabunwa U, Payne C.  Handover and care transitions training for internal medicine residents.  http://doi.org/10.15766/mep_2374-8265.9101	Internal medicine	interns residents	shift change on wards	didactic simulation	Description of a two-hour curriculum designed to improve discharge and handovers during shift change. Curriculum uses the 2HANDOVER mnemonic. This resource includes a video (4.38 minutes) of bad vs good handoff, facilitator guides, example cases for role-play, lecture handout, two PowerPoint presentations (for intern orientation and one for residents) focused on the mnemonic, and a pocket card	comprehensive resource for orientation of residents     could be adapted to be used for ICU shift-to-shift     see Appendix for copy of mnemonic)
Accessed 2.25.18 Goldsmith A.	Physical	medical	shift change on wards	reading	This reference describes a 90-minute evidence-based	could be adapted for any introductory

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		Learner		Learning		
Handling the handoff: An evidence-based approach	medicine and rehab	students residents		didactic	workshop related to handoff communication and best practices. It includes pre-reading material, a didactic component, and then a team-based quiz.	session on handovers
http://doi.org/10.15766/mep_2374 -8265.10035.						
Accessed 2.25.18						
Higgins JA	pediatrics	medical students	shift change on wards	didactic	Large group didactic session followed by small groups for simulation-based training. Includes cases, discussion guide,	• teaches I-PASS
Team-Based Simulation for Medical Student Handoff Education			ED to inpatient ward	simulation	I-PASS mnemonic, and session slides. Simulations progress from a Pediatrician to the ED physician to Inpatient and includes an observer component.	
https://doi.org/10.15766/mep_237 4-8265.10486						
Accessed 2.25.18						
Institute for Healthcare Improvement.	ward nursing	nurses	bedside shift change	Instruction	IHI online tools and resources to implement a quality improvement, handover-related change in nursing culture	Mnemonic is ISHAPED     From Inova Health System
ISHAPED patient-centered					to incorporate patient- and family-centered handoff during shift change.	Must create IHI login to access material
approach to nurse shift change					Sint change.	
bedside report.						
http://www.ihi.org/resources/Page s/Tools/ISHAPEDPatientCentered NurseShiftChangeBedsideReport. aspx						
Accessed 2.25.18		1.1	11.1 1.00			
I-PASS: better handoffs, safer care website.	pediatrics	multi- professional	all handoffs	didactic simulation	Interactive, online, didactic, and simulation training. Includes a faculty guide, self- assessment tool, and other resources.	All I-PASS materials are available free.     Could be used if you used the I-PASS mnemonic or an adaptation of I-PASS.
I-PASS Patient Safety Institute				Simulation	resources.	inhemome of an adaptation of 1-r ASS.
http://ipassstudygroup.com/home						
https://ipassinstitute.com/						
Accessed 2.25.18						
Joint Commission Center for	all	multi-	all handoffs	evaluation tools	Provides tools to assess current handoff process, tools to	Useful at an institutional level to evaluate
Transforming Healthcare.		professional			support measurement and data collection, and guidelines for most handoff communication processes. You must	handoff procedures and identify areas for improvement
Targeted solutions tool for hand- off communications.					develop a team and plant to use resources.	
http://www.centerfortransforming healthcare.org/tst_hoc.aspx						
Accessed 2.25.18						

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Kessler CS, Afshar Y, Sardar G, Yudkowsky R, Ankel F, Schwartz A.  A prospective, randomized, controlled study demonstrating a novel, effective model of transfer of care between physicians: the 5 Cs of consultation.	emergency medicine	residents	consultative calls	peer-reviewed article	Describes an intervention of a 90-minuted educational activity provided to emergency medicine residents to improve a consultative phone conversation. Provides educational intervention described with a table of the 5 Cs of Consultation on pages 969-971. The C's consist of contact, communicate, core question, collaboration, closing the loop.	Useful in a variety of clinical settings     Not specifically a handover
Acad Emerg Med 2012; 19:968-974.						
Martin S, Farnan J, DeKosky A, Gangopadhyaya A, McConville J, Arora V.  UPDATED: a signout audit tool to address ACGME milestones and entrustable professional activities in patient handoffs.	internal medicine	residents	shift change on wards	didactic simulation	This resource describes a workshop for internal medicine residents to improve quality of written handoffs and to demonstrate competency entrustable professional activity related to managing transitions of care.	<ul> <li>includes a core workshop, handoff simulation exercises, faculty observation tools, a campaign toolkit, and faculty development resources.</li> <li>may be useful for ICU transitions of care</li> </ul>
https://www.mededportal.org/publication/9726/						
Accessed 2.25.18	41 1	1.1	*			
McQueen-Shadfar L, Taekman J.  Say what you mean to say: improving patient handoffs in the operating room and beyond.  Simul Healthc 2010;5(4):248-253.	pediatrics	multi- professional various levels	Intraoperative OR-PACU	simulation	The resource describes a high-fidelity simulation and provides all material needed for a perioperative pediatric handoff simulation training module. It also neludes learning objectives, study questions, and debriefing information.	useful curricular addition to anesthesiology simulation curricula     uses Team STEPPS constructs
O'Toole J, Calaman S, Everhart J, et al.  I-PASS handoff curriculum:	pediatrics	Medical students	shift-change on wards	didactic simulation	This resource describes a workshop for novice learners, namely medical students, as an adjunct to I-PASS for residents. It includes a workshop, simulation exercises, and tools for observation.	could be adapted to another mnemonic or different audience.
medical student workshop.					and tools for observation.	
http://doi.org/10.15766/mep_2374 -8265.9854						
Accessed 2.25.18						
O'Toole J, Sectish T, Starmer A, et al.  I-PASS handoff curriculum: faculty development resources.	pediatrics	faculty	shift change on wards	didactic online module evaluation tools	3-hour module to train the trainer for becoming a champion of I-Pass	Methodology can be used for any type of handover in which we need to train the trainer.
https://www.mededportal.org/publication/9540				evaluation tools		
Accessed 2.25.18						

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Pound, A.  Effective and safe patient handoffs	emergency medicine	medical student	shift change in ER	Online reading	Very basic reading on handover, geared towards medical students and from a website that hosts other clincial curricula for EM	SBAR     Very basic
https://cdemcurriculum.com/effec						
tive-and-safe-patient-handoffs/						
Accessed 2.25.18		1' 1	1:0 1	Did di		
Reyes J, Greenberg L, Lesky L  ACCEPT medical student handoff workshop: the patient safety	internal medicine	medical student	shift change on wards	Didactic	Workshop for medical students for introduction to and use of written and oral handovers with a post-workshop survey/assessment	developed at GWU     mnemonic ACCEPT     rudimentary, geared toward the wards.     may be useful in developing workshops
curriculum starts in undergraduate medical education.						but very basic structure and function.
http://doi.org/10.15766/mep_2374 -8265.10302						
Accessed 2.25.18						
Rosenbluth G, Patel S, Destino L, et al.	pediatrics	faculty	shift change on wards	instructional support materials	Includes the I-PASS Campaign materials that were designed to ensure successful I-PASS implementation at other institutions. There is an Implementation Workbook	As with other I-PASS materials this could be adapted to another mnemonic or different audience.
I-PASS Handoff Curriculum: Campaign Toolkit.					and Curriculum Log provided that give practical step-by- step instructions regarding I-PASS planning, development, and implementation. Includes 3-hour retreat materials,	
www.mededportal.org/publication /9397					speaker notes, standard-size pocket reference cards, screen frames for computer monitors, and posters for work areas.	
Accessed 2.25.18						
Royce CS, Atkins KM, Mendiola	obstetrics	medical	shift change on wards	didactic	Simulation-based training method that includes handoff	Uses SBAR mnemonic
M, Ricciotti H.	gynecology	students		simulation	training with simulation guide, educational slides, and assessment and debrief tools. The simulation curriculum	Training in context of an emergency
Teaching patient handoffs to medical students in obstetrics and gynecology: simulation		interns			teaches patient handoffs in the context of a simulated obstetric emergency and teaches management of first-trimester bleeding with acute blood loss. It could be	
curriculum and assessment tool					adapted to allow advanced learners to practice obtaining informed consent. Includes speaker notes, two 45-minute	
http://doi.org/10.15766/mep_2374 -8265.10479					didactic sessions: one on handoffs and one on management of first-trimester bleeding.	
Accessed 2.25.18						
Spector N et al.	Pediatric	residents	shift change on wards	didactic	Materials for a 2-hour I-PASS didactic, interactive session, and 1-hour simulation. Includes curriculum goals and	As with other I-PASS materials this could be adapted to another mnemonic or
I-PASS handoff curriculum: core resident workshop				simulation	objectives for residents, instructor guide, resident workshop facilitator evaluation, interactive guide for the facilitator, instructor guide, workshop slides and videos.	different audience.
https://www.mededportal.org/publication/9311/					S, S	
Accessed 2.25.18						

Sammer A, Landrigum C, Streadway, R. et al.    Streadway R. et al.   February	Resource Identifier	Discipline	Level	Handover Type	Method of	Brief Description Resource	Notes
Sirvatars R. et al.  LPASS Handoff Curriculum: LPASS Handoff Curriculu			Learner		Learning		
Seculty Observation Tools		pediatrics	faculty	shift change on wards	reading material	that has construct validity for observation and delivery of	real time for observation and feedback.
Accessed 2.25.18  This is a module within TeamSTLPPS that specifically addresses communication. Within the powerpoint there is a discussion of updated. Wideo of successed 2.25.18  Agency for Healthcare Research and Quality  http://www.ahra.gov/teamsteppor/ instructor/fundamental-module-39 geomminication and managemental-module-39 geomminication and managemental-mo						CC	types of handover.
TeamSTEPTS Fundamentals Communication.  Agency for Healthcare Research and Quality http://www.ahra.gov/teamstepps/ narsetor/fundamentals/bundles/3 good communication, and examples of mnemonics for handovers.  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  This video is a summary of the TeamSTEPPS modules avail							
Course: Module 3. Communication.  Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamstepss/ goord.mminication.html  Accessed 2.25.18  Team/Stepps Empleien Surgical: Handodf  Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamstepss/ goord.mminication.html  Accessed 2.25.18  Team/Stepps Empleien Surgical: Handodf  Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamstepss/ instructor/ideoxies/s Islandoff/IN  PISURG-768.html  Accessed 2.25.18  A	Accessed 2.25.18						
Course: Module 3. Communication. Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamslepsa/ teamstactor/indumentals/module/3/ gcommunication. Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamslepsa/ teamstactor/indumentals/module/3/ gcommunication. Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamslepsa/ teamstactor/indumentals/module/3/ gcommunication.  Team/Sepsa Inpatient Surgical: Handoff  Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamslepsa/ teamstactor/index/sc. R. Stlandoff/IN  PISURG-768.hml  Accessed 2.25.18  OR to PACU  wideo  simulation  OR to PACU  wideo  simulation  OR to PACU  wideo  simulation  Peer-reviewed article describing a multi-modal intervention ingrove postamesthesia care unit handovers  A mathimodal intervention ingrove postamesthesia care unit handovers  Anesth Analg 2015;121:987-971.  Wohlause NV. Arora VM. Horwitz Li, et al.  Volume NV. Arora VM. Horwitz Li, et al.  Acad Med 2012;87(4):411-418.	TeamSTEPPS Fundamentals	any	any	any	didactic	This is a module within TeamSTEPPS that specifically	Basic information for the healthcare
Agency for Healthcare Research and Quality  http://www.ahrq.gov/teamstepps/ geommunication.html  Accessed 2.25.18  TeamSteeps Impatient Surgical: Handorf  TeamSteeps Impatient Surgical: Handorf  Agency for Healthcare Research and Quality  any  any  any  any  any  video  This video is a summary of the TeamSTEPPS modules available on the AHRQ website  **TeamSteeps Impatient Surgical: Handorf  TeamSteeps Impatient Surgical: Handorf  Agency for Healthcare Research and Quality  **TeamSteeps Impatient Surgical: Handorf  Accessed 2.25.18  **TeamSt	Course: Module 3.	·	•	·			providers.
Agency for Healthcare Research and Quality  http://www.ahrq.gov/feanstepps/ paracter/fundamentals/module3/ig geomanuication.html  Accessed 2.25.18  TeamStepps Inpatient Surgical: Handoff  Agency for Healthcare Research and Quality  http://www.ahrq.gov/feanstepps/ nametor/video/stx. SH/andoff IN PTSURG-768.html  PTSURG-768.html  PTSURG-768.html  Accessed 2.25.18  Weinger MB, Slagle JM, Knttz AH, et al. Accessed 2.25.18  Weinger MB, Slagle JM, Knttz AH, et al. Accessed 2.25.18  Weinger MB, Slagle JM, Knttz AH, et al. Accessed 2.25.18  Weinger MB, Slagle JM, Knttz AH, et al. Anultimodal intervention improves postanesthesia care unit handovers.  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  Wohlauer MV, Arora VM, Horwitz LI, et al.  Acad Med 2012;87(4):411-418.	Communication.				video	a discussion of why communication is important, aspects of	<ul> <li>Several mnemonics featured (SBAR,</li> </ul>
Accessed 2.25.18   TeamStepps Inpatient Surgical:   Any   any   any   video   This video is a summary of the TeamSTEPPS modules available on the AHRQ website							IPASS)
TeamStepps Inpatient Surgical: Handoff Agency for Healthcare Research and Quality  http://www.ahru.gov/teamstepps/instructor/videox/ts_ISHandoff/IN PTSURG-768.html  Accessed 2.25.18  Weinger MB, Slagle JM, Kuntz AH, et al.  Anultimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve competency in a review-like manuscript of the free manuscript of the review of the intervention in the review of the intervention caused improve chandover, in the review of the TeamSTEPPS modules  * 1:36 video  * 1:36 video  * Anesthesia-specific curriculum  * standardized handover form, didactic in form of webinar, simulation scenarios, and a feedback tool.  * intuition of a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs:	nstructor/fundamentals/module3/i						
TeamStepps Inpatient Surgical: Handoff Agency for Healthcare Research and Quality  http://www.ahru.gov/teamstepps/instructor/videox/ts_ISHandoff/IN PTSURG-768.html  Accessed 2.25.18  Weinger MB, Slagle JM, Kuntz AH, et al.  Anultimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve competency in a review-like manuscript of the free manuscript of the review of the intervention in the review of the intervention caused improve chandover, in the review of the TeamSTEPPS modules  * 1:36 video  * 1:36 video  * Anesthesia-specific curriculum  * standardized handover form, didactic in form of webinar, simulation scenarios, and a feedback tool.  * intuition of a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handoffs:	Accessed 2.25.18						
and Quality  http://www.ahrq.gov/teamstepps/instructor/videox/ts, ISHandoft/IN  PTSURG-768.html  Accessed 2.25.18  Weinger MB, Slagle JM, Kuntz AH, et al.  Amultimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Mohauer MV, Arora VM, Horwitz LI, et al.  Weinger MB, Slagle JM, Kuntz Anesth Analg 2015;121:957-971.  Mohauer MV, Arora VM, Interpretation improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Mohauer MV, Carra VM, Interpretation improves postanesthesia care unit handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):4411-4418.	TeamStepps Inpatient Surgical:	any	any	any	video		• 1:36 video
Accessed 2.25.18  Accessed 2.25.18  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.							
Weinger MB, Slagle JM, Kuntz AH, et al.  A multimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):441-448.  Anesthesiology multiprofessional simulation  AR to PACU wideo simulation  AR to PACU unurses. The intervention caused improved handover communication greater than 3 years since the intervention itself.  Anesthesia-specific curriculum estandardized handover form, didactic in form of webinar, simulation scenarios, and a feedback tool.  • Anesthesia-specific curriculum estandardized handover form, didactic in form of webinar, simulation scenarios, and a feedback tool.  • simulation stenarios are available at http://download.lww.com/wolterskluwer_vi talstream_compremal.ink/AB/AA_2015_02_10_UNEINGER_AAJ-D-15-00545_SDC2.pdf  Based on a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency.	nstructor/videos/ts_ISHandoff/IN						
Weinger MB, Slagle JM, Kuntz AH, et al.  A multimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):441-448.  Anesthesiology multiprofessional simulation  AR to PACU wideo simulation  AR to PACU unurses. The intervention caused improved handover communication greater than 3 years since the intervention itself.  Anesthesia-specific curriculum estandardized handover form, didactic in form of webinar, simulation scenarios, and a feedback tool.  • Anesthesia-specific curriculum estandardized handover form, didactic in form of webinar, simulation scenarios, and a feedback tool.  • simulation stenarios are available at http://download.lww.com/wolterskluwer_vi talstream_compremal.ink/AB/AA_2015_02_10_UNEINGER_AAJ-D-15-00545_SDC2.pdf  Based on a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency.	Accessed 2.25.18						
Amultimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  A multimodal intervention isimulation  Simulation  PACU (adult and pedi) of anesthesia providers and packed in form of webinar, simulation scenarios, and a feedback tool.  Simulation scenarios, and a feedback tool.  Simulation scenarios, and a feedback tool.  Simulation scenarios are available at http://download.lww.com/wolterskluwer_vialstream com/PermaLink/AA/B/AA 2015  O2 10 WEINGER AAI-D-15-  O0545_SDC2.pdf  Curricular guide for developing a locally relevant curriculum at GME level.  Strategies for education to improve handoffs, stratagies for education to see upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME  Comprehency  Simulation scenarios, and a feedback tool.  Scandardized handover distance to intervention itself.		anesthesiology	multi-	OR to PACU	video	Peer-reviewed article describing a multi-modal intervention	Anesthesia-specific curriculum
A multimodal intervention improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  A multimodal intervention caused improved handover, communication greater than 3 years since the intervention itself.  PACU nurses. The intervention caused improved handover, communication greater than 3 years since the intervention itself.  • Simulation Scenarios, and a feedback tool.  • substitute of the production simulation scenarios, and a feedback tool.  • simulation scenarios, and a feedback tool.  • simulation scenarios, and a feedback tool.  • substitute of the production simulation scenarios, and a feedback tool.  • substitute of the production simulation scenarios, and service of the produc			professional				*
improves postanesthesia care unit handovers  Anesth Analg 2015;121:957-971.  Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  itself.  itself.  • simulation scenarios are available at http://download.lww.com/wolterskluwer_vitalstream_com/PermaLink/AA/B/AA_2015 02 10 WEINGER_AAJ-D-15- 02 10 WEI			-		simulation	PACU nurses. The intervention caused improved handover	
Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  Wohlauer Monore and Handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  Anesth Analg 2015;121:957-971.  Based on a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency							and a feedback tool.
Anesth Analg 2015;121:957-971.  Mohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  Anesth Analg 2015;121:957-971.  Based on a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency  Acad Med 2012;87(4):411-418.						itself.	<ul> <li>simulation scenarios are available at</li> </ul>
Anesth Analg 2015;121:957-971.  Wohlauer MV, Arora VM, Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  Based on a conference in 2010 called Handovers and Handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency	handovers						
Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  The patient handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency  relevant curriculum at GME level.	Anesth Analg 2015;121:957-971.						02_10_WEINGER_AAJ-D-15-
Horwitz LI, et al.  The patient handoff: a comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  The patient handoffs: Collaborating in turns, this small working group summarized its work in a review-like manuscript to define handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency  relevant curriculum at GME level.	Wohlauer MV, Arora VM,	any	residents	any	peer-reviewed	Based on a conference in 2010 called Handovers and	
The patient handoff: a handover, discuss barriers, solutions to improve handoffs, strategies for educating residents, and describe a blueprint for resident education to improve continuity of care "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency	Horwitz LI, et al.				*	Handoffs: Collaborating in turns, this small working group	
comprehensive curricular blueprint for resident education to improve continuity of care  Acad Med 2012;87(4):411-418.  strategies for educating residents, and describe a "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency							
blueprint for resident education to improve continuity of care  "curriculum blueprint" for other institutions to use upon which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME competency	1						
improve continuity of care  which to bae their own, local education. Review of the literature as it relates to level of resident and ACGME  Acad Med 2012;87(4):411-418.  competency							
Acad Med 2012;87(4):411-418. literature as it relates to level of resident and ACGME competency							
Acad Med 2012;87(4):411-418. competency	improve continuity of care					, , , , , , , , , , , , , , , , , , , ,	
	Acad Med 2012;87(4):411-418.						
		any	any	any	pictorial on	1 ,	Useful in any curricular design

Resource Identifier	Discipline	Level	Handover Type	Method of	Brief Description Resource	Notes
Ruddick V, Irby DM, ten Cate O.		Learner		Learning cognitive load	can affect handover communication. The resource gives	
Improving handoffs curricula: instructional techniques from cognitive load theory				theory	strategies to educators on how to minimize cognitive load during handover education.	
Acad Med 2017;92(5):7-19.						
YouTube Handoff						
Videos						
Communication handoff: PACU to inpatient.	nursing	staff nurse	PACU to floor	video demonstration	3.16-minute video demonstrating a good bedside face-to- face PACU to inpatient handoff	SBAR     Patient and family-centered
https://www.youtube.com/watch? v=Q2ZtB4HSiYU						
Accessed 2.25.18						
Correct clinical handover	nursing	staff nurse	shift change on wards	video demonstration	4.42-minute video showing a bad and a good face-to-face bedside handoff.	
https://www.youtube.com/watch? v=Rn6r_hFWP0Q						
Accessed 2.25.18						
Do's and don'ts of patient handoffs  https://www.youtube.com/watch?v=dOm7SxFZCG8	hospitalist	residents faculty	shift change on wards	video interview	3.12-minute video describing 3 Do's and one Don't focused on hospitalist handoffs	should not just rely on the electronic medical record     should do a verbal handoff     EHR-based tools for local needs     keep the handoff focused.
Accessed 2.25.18						
ISBAR handover: PACU to Ward  https://www.youtube.com/watch? v=7qhOtyPZ7mY	nurses	staff nurse	PACU to floor	video demonstration	8 minute video describing using ISBAR in a variety of ward situations	Video also describes an app and how to use the app.
Accessed 2.25.18						
OR nurse shift change using SBAR-situation, background, assessment, recommendation	OR nurses	staff nurses	intraoperative handover	video demonstration	VA training video of SBAR with demonstration of how shift change occurs by nurses in OR.	Good basic video demonstrating SBAR for nurses in the OR     Useful for OR Shift change.
https://www.youtube.com/watch? v=aYZx118rkXA						
Accessed 2.25.18 Patient handoffs: a typical day on	:		-1.:C1	: 4	2.45	11010
https://www.youtube.com/watch?	internal medicine	residents	shift change on wards	video demonstration	3:45-minute video of an ineffective shift-to-shift handoff with negative patient consequences	inadequate shift-to-shift handoff can result in negative healthcare receiver and patient consequences.
Accessed 2.25.18						

Resource Identifier	Discipline	Level	Handover Type	Method of	Brief Description Resource	Notes
		Learner		Learning		
Patient handoffs: PASSONS  https://www.youtube.com/watch? v=wSyV5F6m-VU	internal medicine	residents	shift change on wards	video demonstration	2:20-minute video of an effective shift-to-shift handoff	Good example of an effective shift-to-shift handoff that also demonstrates good handoff receiver readback.      Uses the PASSONS mnemonic.
Accessed 2.25.18	* . 1	.1	1:0.1	* 1	X'1 11 '1 (C '1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1 (1	GIGNOVER :
Patient handoffs: what to do, what not to do	internal medicine	residents	shift change on wards	video demonstration	Videos made by residents for residents demonstrating the basic do's and don'ts of giving handovers.	SIGNOUT mnemonic     Overall good video but demonstrates very basic and obvious behaviors.
https://www.youtube.com/watch? v=O4x0Rk_r-rs						Great at the medical student level.
Accessed 2.25.18						
PACU: the handoff  https://www.youtube.com/watch? v=3HhXz5QhDzw	perioperative	multi- professional	OR to PACU handoff	video demonstration	3-min video demonstrating a PACU handover using a CVA	local mnemonic that is used in the video     Overall concise video demonstrating a good handover.      Useful for a resident level curriculum
Accessed 2.25.18						
Resident sign-out/handoff  https://www.youtube.com/watch? v=hJTjCsPT6q8	pediatrics	residents	shift change on wards	video demonstration	2 ½ minute video demonstrating a rushed and incomplete handover	<ul> <li>Video shows poor handover.</li> <li>Video is of ok quality and value.</li> </ul>
Accessed 2.25.18						
VCU health: the patient handoff  https://www.youtube.com/watch? v=FDCl3xLDXAw	any	any	shift change on wards	video demonstration	5 minute video demonstrating downstream effects of distractions during handovers	Video is ok but very rudimentary.     Good for the medical student level.
Accessed 2.25.18						