

Handoff Curricular Resources

Arora V. Hospital handoffs for intern orientation. Available at: <http://www.mefedia.com/watch/31931488>. Accessed August 22, 2017.

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.

Aylward M. An interactive workshop to increase resident readiness to perform patient hand-offs.

MedEdPORTAL Publications. 2012;8:9189. Available at: http://doi.org/10.15766/mep_2374-8265.9189. Accessed August 26, 2017.

90-minute workshop for intern orientation for medicine and med-peds residents. Includes workshop materials, hand off video, case presentation, and instructor guide.

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.

They developed 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.

Calaman S, Hepps J, Spector N, et al. I-PASS Handoff Curriculum: Handoff Simulation Exercises. MedEdPORTAL. 2013 www.mededportal.org/publication/9402. Accessed August 27, 2017.

Provides I-PASS role-plays simulation exercises. 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.

Calaman S, Spector N, Starmer A, et al. I-PASS Handoff Curriculum: Computer Module. MedEdPORTAL. 2013 www.mededportal.org/publication/9337. Accessed August 27, 2017.

The I-PASS computer module provides asynchronous, individualized learning of key elements of the I-PASS curriculum. It features embedded knowledge questions which provide an evaluation of learners' understanding of each of the major I-PASS concepts.

Chen JG, Mistry KP, Wright MC, Turner DA. Postoperative handoff communication: a simulation-based training method. *Simul Health* 2010;5(4):242-7.

Provided notes on 4 postoperative handoff simulations.

Davis J, Roach C, Elliott C, Mardis M, Justice EM, Riesenber L. Feedback and assessment tools for handoffs: A systematic review. *J Grad Med Educ* 2017;9(1):18-32. doi: 10.4300/JGME-D-16-00168.1

This article is a systematic review of the literature focused on inpatient handoff feedback and assessment tools. The article includes online supplemental material, including an annotated bibliography describing the individual articles and the feedback/assessment tools in each article. Go to: <http://www.jgme.org/doi/abs/10.4300/JGME-D-16-00168.1?code=gmed-site> and select "Supplemental Material" near the top of the page. Then, select "riesenberg suppl 2.docx."

Drachsler H, Kicken W, van der Klink M, Stoyanov S, Boshuizen HPA, Barach P. The handover toolbox: a knowledge exchange and training platform for improving patient care. *BMJ Qual Saf* 2012;114-20. DOI: 10.1136/bmjqs-2012-001176. Available at: http://patient-project.eu/?page_id=120. Accessed August 26, 2017.

Includes the curriculum and resources.

Emergency Medicine Patient Safety Foundation. Safer Sign Out. Available at: <http://safersignout.com/>. Accessed August 25, 2017.

Handoff communications training toolkit for emergency department physicians and nurses.

Eskildsen M, Bonsall J, Miller A, et al. Handover and care transitions training for internal medicine residents. MedEdPORTAL Publications. 2012;8:9101. Available at: http://doi.org/10.15766/mep_2374-8265.9101. Accessed August 26, 2017.

Includes instructor's guide, exercise templates, and pocket card, and is designed for interns and residents.

Goldsmith A. Handling the handoff: an evidence-based approach. MedEdPORTAL Publications. 2015;11:10035. Available at: http://doi.org/10.15766/mep_2374-8265.10035. Accessed August 26, 2017.

For medical residents and students. Includes guide, workshop slides, pre-test, and handoff workshop articles.

Higgins Joyce A. Team-based simulation for medical student handoff education. MedEdPORTAL Publications. 2016;12:10486. Available at: https://doi.org/10.15766/mep_2374-8265.10486. Accessed August 26, 2017.
Large group didactic session followed by small groups for simulation-based training. Includes cases, discussion guide, I-PASS mnemonic, and session slides.

Institute for Healthcare Improvement. ISHAPED patient-centered approach to nurse shift change bedside report.

Available at:

<http://www.ihl.org/resources/Pages/Tools/ISHAPEDPatientCenteredNurseShiftChangeBedsideReport.aspx>. Accessed August 25, 2017.

Materials to incorporate the ISHAPED model for nurse shift change from Inova Health System including how to develop patient-centered handoffs and handoff report form.

I-PASS: better handoffs, safer care website. Available at: <http://ipassstudygroup.com/home>. Accessed August 26, 2017.

All I-PASS materials are available free.

I-PASS Patient Safety Institute. Available at: <https://ipassinstitute.com/>. Accessed August 26, 2017.

Interactive, online simulation training and resources.

Joint Commission Center for Transforming Healthcare. Targeted solutions tool for hand-off communications. Available at: http://www.centerfortransforminghealthcare.org/tst_hoc.aspx. Accessed August 25, 2017.

Provides tools to assess current handoff process, tools to support measurement and data collection, and guidelines for most handoff communication processes.

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. Acad Emerg Med. 2012; 19:968-974.

Provides educational intervention described with a table of the 5 Cs of Consultation on pages 969-971.

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. MedEdPORTAL Publications. 2014;10:9726. Available at: http://doi.org/10.15766/mep_2374-8265.9726. Accessed August 26, 2017.

Includes guides and signout assessment tools to educate residents on assessing an intern's handoff skills.

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.

Article that includes all material needed for a perioperative handoff simulation training module.

O'Toole J, Calaman S, Everhart J, et al. I-PASS handoff curriculum: medical student workshop. MedEdPORTAL Publications. 2014;10:9854. Available at: http://doi.org/10.15766/mep_2374-8265.9854 Accessed August 26, 2017.

Includes resident workshop, simulation exercises, computer module, faculty development, mnemonic, handoff tool, and observation tools.

- O'Toole J, Sectish T, Starmer A, et al. I-PASS handoff curriculum: faculty development resources. MedEdPORTAL. Available at: <https://www.mededportal.org/publication/9540>. Accessed August 26, 2017.
Includes instructor's guide, curricular goals and objectives for faculty development, faculty champion's guide, presentation slides, computer module, videos, handouts, evaluation form, and other resources.
- Pound, A. Effective and safe patient handoffs. CDEM Website. Available at: <https://cdemcurriculum.com/effective-and-safe-patient-handoffs/>. Accessed August 26, 2017.
Handoff training module description for medical students rotating through Emergency Medicine, based on SBAR.
- Reyes J, Greenberg L, Lesky L. ACCEPT medical student handoff workshop: the patient safety curriculum starts in undergraduate medical education. MedEdPORTAL Publications. 2015;11:10302. Available at: http://doi.org/10.15766/mep_2374-8265.10302. Accessed August 26, 2017.
Workshop format that includes instructor's guide, workshop slides, patient signout card, and standardized patient case.
- Rosenbluth G, Patel S, Destino L, et al. I-PASS Handoff Curriculum: Campaign Toolkit. MedEdPORTAL. 2013 www.mededportal.org/publication/9397. Accessed August 27, 2017.
Includes the I-PASS Campaign materials that were designed to ensure successful I-PASS implementation at other institutions. There is an Implementation Workbook and Curriculum Log provided that give practical step-by-step instructions regarding I-PASS planning, development, and implementation.
- Royce CS, Atkins KM, Mendiola M, Ricciotti H. Teaching patient handoffs to medical students in obstetrics and gynecology: simulation curriculum and assessment tool. MedEdPORTAL Publications. 2016;12:10479. Available at: http://doi.org/10.15766/mep_2374-8265.10479. Accessed August 26, 2017.
Simulation-based training method that includes handoff training with simulation guide, educational slides, and assessment and debrief tools.
- Spector N, Starmer A, Allen A, et al. I-PASS handoff curriculum: core resident workshop. MedEdPORTAL Publications. 2013;9:9311. Available at: http://doi.org/10.15766/mep_2374-8265.9311. Accessed August 26, 2017.
Materials for a 2-hour didactic, interactive session, and 1-hour simulation.
- Starmer A, Landrigan C, Srivastava R, et al. I-PASS Handoff Curriculum: Faculty Observation Tools. MedEdPORTAL. 2013 www.mededportal.org/publication/9570. Accessed August 27, 2017.
Provides Faculty Observation Tools that contains a set of assessment tools designed to be used by residency programs implementing the I-PASS Core Resident Workshop in order to ensure that residents acquire competency in handoff skills, as well as to reinforce the I-PASS techniques and ensure sustainment of the I-PASS Handoff Curriculum.
- TeamSTEPPS Fundamentals Course: Module 3. Communication. Content last reviewed March 2014. Agency for Healthcare Research and Quality, Rockville, MD. Available at: <http://www.ahrq.gov/teamstepps/instructor/fundamentals/module3/igcommunication.html>
Accessed August 26, 2017.
Part of a larger patient safety curriculum, this module includes instructor's guide with additional resources listed, slides for sessions, and implementation worksheet.
- TeamSteps Inpatient Surgical: Handoff. Content last reviewed October 2014. Agency for Healthcare Research and Quality, Rockville, MD. Available at: http://www.ahrq.gov/teamstepps/instructor/videos/ts_ISHandoff/INPTSURG-768.html. Accessed August 26, 2017.
Surgical handoff video.

Weinger MB, Slagle JM, Kuntz AH, et al. A multimodal intervention improves postanesthesia care unit handovers. *Anesth Analg* 2015;121:957-971.

All relevant handover training materials and data collection instruments are available at the CRISS website:

<http://www.mc.vanderbilt.edu/criss/> and/or AHRQ's Patient Safety Toolkit (<http://www.ahrq.gov/professionals/systems/hospital/qitoolkit/qiroadmap.html>).

Summaries of 4 simulation scenarios: Available at:

http://download.lww.com/wolterskluwer_vitalstream_com/PermaLink/AA/B/AA_2015_02_10_WEINGER_AAJ-D-15-00545_SDC2.pdf Accessed August 26, 2017.

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.

Includes a curricular blueprint for teaching and assessing resident handoff skills based on ACGME competencies, and anchored by training level, pp 12-14.

Young JQ, O'Sullivan PS, Ruddick V, Irby DM, ten Cate O. Improving handoffs curricula: instructional techniques from cognitive load theory. *Acad Med* 2017;92(5):7-19.

One-page handout with instructional techniques relevant to cognitive load theory.

Explains cognitive load theory and presents techniques designed to increase learner proficiency.

YouTube Handoff Videos (Selected)

Communication handoff: PACU to inpatient. Available at: <https://www.youtube.com/watch?v=Q2ZtB4HSiYU>. Accessed August 27, 2017.

Correct clinical handover. Available at: https://www.youtube.com/watch?v=Rn6r_hFWP0Q. Accessed August 27, 2017.

Do's and don'ts of patient handoffs. Available at:

<https://www.youtube.com/watch?v=dOm7SxFZCG8>. Accessed August 26, 2017.

ISBAR handover: PACU to Ward. Available at: <https://www.youtube.com/watch?v=7qhOtyPZ7mY>. Accessed August 27, 2017.

OR nurse shift change using SBAR-situation, background, assessment, recommendation. Available at:

<https://www.youtube.com/watch?v=aYZx1l8rkXA>. Accessed August 27, 2017.

Patient handoffs: a typical day on the wards. Available at: <https://www.youtube.com/watch?v=JzCdoQEYHk>. Accessed August 26, 2017.

Patient handoffs: PASSONS. Available at:

<https://www.youtube.com/watch?v=wSyV5F6m-VU>. Accessed August 26, 2017.

Patient handoffs: what to do, what not to do. Available at: https://www.youtube.com/watch?v=O4x0Rk_r-rs. Accessed August 26, 2017.

PACU: the handoff. Available at: <https://www.youtube.com/watch?v=3HhXz5QhDzw>. Accessed August 27, 2017.

Resident sign-out/handoff. Available at: <https://www.youtube.com/watch?v=hJTjCsPT6q8>. Accessed August 26, 2017.

VCU health: the patient handoff. Available at: <https://www.youtube.com/watch?v=FDC13xLDXAw>. Accessed August 26, 2017.