

**APPD Healthcare Simulation in Pediatrics Learning Community
Simulation Education Resource Guide**

Premade simulation cases

MedEdPORTAL: Open-access journal of peer-reviewed resources that includes simulation cases	https://www.mededportal.org/
EM Sim Cases: Peer reviewed simulation cases for emergency medicine that includes pediatric section	https://emsimcases.com/
Handbook of Pediatric Mock Codes: Textbook of pediatric mock code cases	https://www.amazon.com/Handbook-Pediatric-Mock-Codes-1e/dp/1556644523
Sim tech: Non-peer reviewed simulation cases	http://thesimtech.com/scenarios/

Templates and resources for simulation case development

MedEdPORTAL simulation and standardized patient case templates	https://www.mededportal.org/authors/
EM SIM Case template for simulation cases	https://emsimcases.com/template/
Association of Standardized Patients Standards of Best practice working with standardized patients	https://advancesinsimulation.biomedcentral.com/articles/10.1186/s41077-017-0043-4
Simulcast podcast about designing simulation cases	http://simulationpodcast.com/ep-11-designing-better-sim-cases/

Supplementary materials for simulation scenarios

Collection of radiology cases	https://radiopaedia.org/
Collection of radiology cases	http://www.hawaii.edu/medicine/pediatrics/pemxray/pemxray.html
Collection of sample ECGs	https://lifeinthefastlane.com/ecg-library
Collection of images, sounds, ECGs, visual aides	http://thesimtech.com/
SimpleSIM: iOS app that can create remotely controlled monitor with two mobile devices (\$0.99)	https://itunes.apple.com/US/app/id1170243856?mt=8
SimMon: iOS app that can create remotely controlled monitor with two devices (\$22.99)	https://itunes.apple.com/us/app/simmon/id364731597?mt=8

Debriefing resources

Debrief2Learn: Website with debriefing resources	https://debrief2learn.org/
PEARLS Healthcare debriefing tool	https://debrief2learn.org/pearls-debriefing-tool/
Summary of debriefing techniques	https://mcw.box.com/s/84327rhx64mk4mt0dgg8r28bsc3c6thd
Summary of debriefing references	https://mcw.box.com/s/vc9wfmsq9628jnhbvcgz5lir0gzwhf9r
The Center for Medical Simulation DEBRIEFING ASSESSMENT FOR SIMULATION IN HEALTHCARE (DASH)© Rater's Handbook	https://harvardmedsim.org/wp-content/uploads/2016/10/DASH_handbook_2010_Rev2.pdf

Simulation evaluation tools

Sample Assessment Tools for Simulation	https://mcw.box.com/s/i9gzkbqxdy8gaiz6v8c8yzhn871trg39
Simulation Effectiveness Tool (copyrighted by CAE Healthcare, 2005 original SET; Leighton, Ravert, Mudra, & Macintosh, 2015)	https://caehealthcare.com/media/files/Academy-Documentation/Simulation-Effectiveness-Tool.pdf
National Center for Interprofessional Practice and Education database of assessment tools	https://nexusipe.org/advancing/assessment-evaluation

Frey-Vogel AS, Scott-Vernaglia SE, Carter LP, Huang GC. Simulation for Milestone Assessment: Use of a Longitudinal Curriculum for Pediatric Residents. *Simul Healthc.* 2016;11(4):286-292.

Simulation for scholarship resources

Ringsted C, Hodges B, Scherpbier A. 'The research compass': an introduction to research in medical education: AMEE Guide no. 56. <i>Med Teach.</i> 2011;33(9):695-709.
Cheng A, Kessler D, Mackinnon R, Chang TP, Nadkarni VM, Hunt EA, et al. Reporting Guidelines for Health Care Simulation Research: Extensions to the CONSORT and STROBE Statements. <i>Simul Healthc.</i> 2016;11(4):238-248.
Cheng A, Auerbach M, Hunt EA, Chang TP, Pusic M, Nadkarni V, et al. Designing and conducting simulation-based research. <i>Pediatrics.</i> 2014;133(6):1091-1101.
Cheng A, Kessler D, Mackinnon R, Chang TP, Nadkarni VM, Hunt EA, et al. Conducting multicenter research in healthcare simulation: Lessons learned from the INSPIRE network. <i>Adv Simul (Lond).</i> 2017;2:6.

Simulation in interprofessional education resources	
National Center for Interprofessional Practice and Education	https://nexusipe.org/
National Center for Interprofessional Practice and Education database of assessment tools	https://nexusipe.org/advancing/assessment-evaluation
MedEdPORTAL section for IPE	https://www.mededportal.org/collection/interprofessional-education/
Core competencies for collaborative practice from the Interprofessional Education Collaborative (IPEC)	https://aamc-meded.global.ssl.fastly.net/production/media/filer_public/70/9f/709fedd7-3c53-492c-b9f0-b13715d11cb6/core_competencies_for_collaborative_practice.pdf
Interprofessional Education Collaborative (IPEC)	https://www.ipecollaborative.org/
World Health Organization Framework for Action on Interprofessional Education/Collaborative Practice	http://apps.who.int/iris/bitstream/10665/70185/1/WHO_HRH_HPN_10.3_eng.pdf?ua=1
National League for Nursing Guide to Effective IPE in Nursing Education	http://www.nln.org/docs/default-source/default-document-library/ipe-toolkit-krk-012716.pdf?sfvrsn=6
Simulation for teamwork/leadership training resources	
TeamSTEPs: Evidence based teamwork system that includes guide on how to use in simulation and app with checklists and reference tools	https://www.ahrq.gov/teamstepps/simulation/index.html
Eppich W, Howard V, Vozenilek J, Curran I Simulation-Based Team Training in Healthcare Simul in Healthcare 2011 6:S14-19	
Parsons JR, Crichlow A, Ponnuru S, Shewokis PA, Goswami V, Griswold S Filling the Gap: Simulation Crisis Resource Management Training for Emergency Medicine Residents West J Emerg Med 2018 Jan 19(1):205-210	
Roseman ED, Fernandez R, Wong AH, Cassara M, Cooper DD, Kou M, Laack TA, Motola I, Parsons JR, Levine BR, Grand JA Changing Systems through Effective Teams A Role for Simulation Acad Emerg Med 2018 Feb 25(2) 128-143	
Simulation for procedural training resources	
INSPIRE Procedural Checklists Development and Validation Instructions	http://inspiresim.com/?ddownload=178
Auerbach M, Chang T, Fein D, et al. A comprehensive infant lumbar puncture novice procedural skills training package: an inspire simulation-based procedural skills training package. <i>MedEdPORTAL</i> . 2014;10:9724. https://doi.org/10.15766/mep_2374-8265.9724	https://www.mededportal.org/publication/9724/
Simulation Podcasts/Blogs	
DJ Simulationistas podcast from the Center for Medical Simulation in Boston	https://itunes.apple.com/us/podcast/center-for-medical-simulation-presents-dj-simulationistas/id1279266822?mt=2
Simulcast podcast	http://simulationpodcast.podbean.com/
Debrief2Learn blog and podcast	https://debrief2learn.org/blog/
Simulation Organizations/Societies	
SSIH: Society for Simulation in Healthcare	http://www.ssih.org/
INSPIRE: International Network for Simulation-based Pediatric Innovation, Research, & Education	http://inspiresim.com/
IPSS: International Pediatric Simulation Society	https://www.ipssglobal.org/
ASPE: Association of Standardized Patient Educators	https://aspehq.memberclicks.net/
Simulation Journals	
Simulation in Healthcare: Journal of the Society of Simulation in Healthcare	https://journals.lww.com/simulationinhealthcare/pages/default.aspx
Advances in Simulation: Journal of the Society in Europe for Simulation Applied to Healthcare	https://advancesinsimulation.biomedcentral.com/
Other resources	
Healthcare simulation dictionary	http://www.ssih.org/Dictionary

This guide was developed by the APPD Learning Community on Healthcare Simulation in Pediatrics. It is not intended to be a comprehensive list but to outline a variety of resources the Learning Community members identified as useful. If you have any questions about this guide, or suggestions about additional materials to include please contact Learning Community vice chair Amanda Rogers (arogers@mcw.edu) or chair Ariel Frey-Vogel (afrey@partners.org).