**Resources for Clinical Substitution adapted from list by Carrie Eaton (UCONN)**

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| **Virtual Simulations and Pre-Recorded Simulations with Guided Reflection / Debriefing Questions** |
| [Ryerson Virtual Healthcare Experiences](https://de.ryerson.ca/games/nursing/hospital/index.html) | **Free Virtual Scenarios for the following:**EmergencyPediatricsMaternal and ChildMental Health |
| [NLN ACES Cases](http://www.nln.org/professional-development-programs/advancing-care-excellence-series) | **Free Unfolding Case Studies : See additional notes below about webinar**Geriatric Alzheimer’s careVeteransCaring for persons with disabilitiesPediatricsCaregivers |
| [GNSH 30 minute weekly](http://www.gnsh.org/30-minute-weekly-initiative/teamenagements/) | **Free unfolding Case Studies**Safety related issues focused on Medication errorsPremature diagnosisNursing errorsSystem thinking and error prevention |
| Oxford Medical Simulation | **Free for GW – at Graduate and undergrad levels**Neutropenic sepsis with penicillin allergyPneumonia and renal transplantDelirium with urosepsisIV drug user with cellulitis and abscessPerforated diverticular disease and peritonitisHeart failure and missed MINSTEMIAcute severe asthmaDVT and PEPneumothoraxInfective exacerbation of COPDUpper GI bleedPancreatitis and fluid managementDKAAnaphylaxisSeizure and hypoglycemiaPost op morphine overdoseAKI and electrolyte disturbanceETOH withdrawal and suicidal ideation |
| [Montgomery College Simulation Scenario Library](https://www.montgomerycollege.edu/academics/departments/nursing-tpss/nursing-simulation-scenario-library.html#simulationscenariosepsis) | **Nursing Simulation Library with pre-recorded simulations. Each simulation scenario has a PDF link with guided reflection/debriefing questions.** Cultural SimEating DisordersEnd of LifeManaging IncivilityMedical ErrorOpioid WithdrawalPostpartum HemorrhageSepsisTrans and Gender Non-Conforming Identified Patient Care |
| [Emergency Medicine (EM) Sim Cases](https://emsimcases.com/2020/02/18/suspected-covid-19/) | **EM Sim Cases offer a variety of simulation ideas including the following:**Suspected COVID19Suspected COVID19 (part 2)Pediatric Airway ObstructionSepsis/CholangitisHyperkalemiaVentricular TachycardiaPulmonary EdemaPulmonary EmbolismSeizure |
| Online Virtual Simulation Programs (Purchase Required) |
| [Wolters Kluwer the Point Vsims](https://thepoint.lww.com/faculty) | **Students have access to VSim for each course (OB, Pedi, MS, BH)****Each Vsim contains a pre-sim quiz, Vsim, post-sim quiz, documentation assignments, and guided reflection questions**In our program, students are assigned Vsim but not the documentation assignments and guided reflection questions. Students can repeat Vsims and complete the documentation assignments and guided reflection questions. Each Vsim also has links students can access for the Expert Clinical Content from Lippincott Advisor (pharmacology, patient education, procedures). All of these provide an opportunity to additional learning. We have also had great success running the ‘Core’ Vsim virtually with groups and then assigning the students the ‘Complex’ Vsim for their graded assignment. Students can complete the Vsims online including the pre-sim quiz, actual Vsim (repeat until score of 100%), and post-simulation quiz. All the documentation assignments and guided reflection questions are posted on Blackboard as **assignments** for students to complete and submit. |
| [ATI Real Life Scenarios](https://www.atitesting.com/educator) | **ATI offers Real Life Scenarios for students (track coordinator will need to access resources).** Generally, we use run through the scenarios with students in a group. This could easily be done via WebEx. To augment the learning experience there are resources for faculty.In ATI access the following:ResourcesProducts and IntegrationReal Life Clinical Reasoning ScenariosHere you will find:RN Medical Surgical Lesson PlansRN Maternal Newborn Lesson PlansRN Mental Health Lesson PlansRN Nursing Care of Children Lesson PlansEach lesson plan offers an educator implementation guide and documents for creating a clinical day substitution, small group interaction, and a flipped classroom.  |
| [Nurse Think](https://nursethink.com/my/login/register)\*\*currently offering free 30-day trial\*\* | **Vclinicals with a focus on prioritization, delegation, and sequential thinking**Currently offering a free 30 day trialUse this link to preview some of the video samples: <https://nursethink.com/vclinical>This page also has access to requesting the free 30-day trial ORContact help@nursethink.com to request free trial from Nurse Tim |
| [California Simulation Alliance](https://www.californiasimulationalliance.org/)Subscribe ($400) to access all scenarios | **California Simulation Alliance**Need to subscribe ($400) in order to have access to download the scenarios<https://www.californiasimulationalliance.org/> - Use the SUBSCRIBE NOW linkHowever, **If you are considering becoming a subscriber and would like to view a sample scenario,** please email Deborah at deborah@healthimpact.org.The scenarios listed below are scenarios that have been developed, validated and tested by CSA subject matter experts. QSEN and TeamSTEPPScompetencies have been integrated in all scenarios where appropriate. As a subscriber, you have access to these scenarios. The distribution and reproduction of these scenarios is prohibited. |
| [Swift River Virtual Clinicals](https://www.swiftriveronline.com/) | **Virtual Clinicals Available for Purchase (Free Trial Available):**ER LeadershipDosage CalculationMedical-SurgicalMedication AdministrationObstetrical TriageMental HealthPediatrics |
| [Healthcare Learning Innovations](https://www.healthcarelearninginnovations.com/use-cases/) | **Virtual Clinical Simulations / Virtual Scenarios**Virtual Clinical Simulation Demonstration (Free Webinar)April 15, 2020Exploring Sentinel City and Sentinel TownClinical Simulations • Sentinel City • Sentinel Town • Sentinel Hospital Clinical Scenarios • Prioritization of Care • Patient Management & Delegation • Nursing Quality Indicators • Family Support & Home AssessmentSentinel World $79/student Includes Sentinel City, Town & Family Support and Home Hazard Assessment Sentinel City $69/student Includes Family Support and Home Hazard Assessment Clinical Scenarios – $39/scenario per student Institutional licensing available |
| [Oxford Medical Simulation](https://oxfordmedicalsimulation.com/product/vr-medical-nursing-distance-learning/) | **Contact in Connecticut: Rebecca Wheeler (meeting Wed. 3/18)**Rebecca.wheeler@oxfordmedicalsimulation.com\*\*Distance Learning Platform Free Trial Available\*\*Company Clearly Recognizes the Need for Distance Education in Light of COVID-19!<http://oxfordmedicalsimulation.com/distance-learning-covid-19/>OMS has quality, standardized simulation scenarios, feedback, and blended learning |
| Free Simulation Scenarios Online – Easily Adaptable to a Virtual Lesson Plan and or Case Study Assignment |
| [Quality and Safety Education for Nurses (QSEN)](https://qsen.org/teaching-strategies/strategy-search/advanced-search-results/?strat_type=Simulation%20Exercises)  | **Extensive Library of Simulations and Learning Activities**Postpartum HemorrhageMed AdministrationRespectful Conversations for Difficult SituationsEnd of LifeTornado Disaster SimPediatric Sim and Unfolding Case StudyOB Unfolding CaseUtilizing SBARRCare of the Post-CABG PatientAnd many more.. |
| [NLN Advancing Care Excellence Series (ACES Cases)](http://www.nln.org/professional-development-programs/advancing-care-excellence-series)\*\*\*NLN is offering free webinars on Advancing Care Excellence for CaregiversMarch 23 and March 25\*\*\*[FREE NLN WEBINARS](http://www.nln.org/professional-development-programs/calendar?utm_source=National+League+for+Nursing&utm_campaign=41a9d1bb59-EMAIL_CAMPAIGN_2020_03_11_02_15&utm_medium=email&utm_term=0_2b4a0f0e05-41a9d1bb59-355365965) | **The National League for Nurses has an extensive series of unfolding simulation cases.**ACE.S – Advancing Care Excellence for SeniorsACE.Z – Advancing Care Excellence for Alzheimer’s Patients and CaregiversACE.V – Advancing Care Excellence for VeteransACE.D – Advancing Care Excellence for Persons with DisabilitiesACE.P – Advancing Care Excellence PediatricsACE.C – Advancing Care Excellence for Caregivers\*NLN has a dedicated webpage for COVID-19[NLN Coronavirus Resource Center](http://www.nln.org/coronavirus-resource-center/?utm_source=National+League+for+Nursing&utm_campaign=0497214369-EMAIL_CAMPAIGN_2020_03_10_04_23_COPY_01&utm_medium=email&utm_term=0_2b4a0f0e05-0497214369-355365965) |
| [The Sim Tech Scenarios](http://www.thesimtech.org/scenarios) | **Although the scenarios do not have detailed lesson plans for student work, the content provides a basis for creating student assignments to match the content.** **Scenarios Include:**Abdominal TraumaAdrenal CrisisAnaphylaxis (inpatient)Anaphylaxis (bee sting in an 8-month old)ApneaAsthmatic Protocol for EDAtrial FibrillationBurn (Cigarette Fire)Burn (Meth Lab Explosion)Cardiac ArrestChest and Abdominal TraumaCrohnsDKAETOH withdrawalHTNHypoxiaPPHSepsisShockSnake BiteStroke |
| [Gero\_Clin\_Sim\_UNC\_Chapel Hill](http://geroclinsim.org/) | **Free Clinical Simulation Cases / Resources / Toolkits created by UNC Chapel Hill via a HRSA Grant**Acute PainUrinary IncontinencePressure UlcersFallsCOPDDepressionHyperglycemiaDeliriumUTIDehydrationRestraintsSepsisPneumoniaWeight LossTransient Urinary IncontinencePolypharmacyEnd of LifeChronic Pain |
| [Health Education England](http://www.oxforddeanery.nhs.uk/about_hee_oxford_local_office/clinical_simulation_training/clinical_simulation_scenarios.aspx) | **Series of Simulation Scenarios that are developed for on-campus simulation.****Using these sims would require students to be in the sim lab, but ideas are always adaptable with a creative mind!****Excellent topics for consideration (137 scenarios split into eight categories):**AnestheticsCore MedicineSurgeryFoundationGeneral PracticePediatricsPsychiatryEmergency Medicine |
| [California Maternal Quality Care Collaborative](https://www.cmqcc.org/resources-toolkits) | **Free Resources and Toolkits**Cardiovascular Disease ToolkitEarly Elective Deliveries ToolkitOB Hemorrhage ToolkitPreeclampsia ToolkitSepsis ToolkitSupporting Vagina Birth and Reducing Primary Cesareans ToolkitVenous Thromboembolism Toolkit |
| Case Studies and Free Online Courses / Webinars |
| [World Health Organization COVID19 3-hour Course](https://openwho.org/courses/introduction-to-ncov) | **The World Health Organization has a free 3-hour course that provides a general introduction to emerging respiratory viruses, including novel coronaviruses.** **Learning Objectives:**\*The nature of emerging respiratory viruses, how to detect and assess and outbreak, strategies for preventing and controlling outbreaks due to novel respiratory viruses\*What strategies should be used to communicate risk and engage communities to detect, prevent and respond to the emergence of a novel respiratory virus |
| [Hospital Preparedness for Managing Coronavirus\_CAE\_Free Sim and Webinar](https://caehealthcare.com/education/webinars/covid19/#2)Wed., March 18th, Free WebinarEST: 8am, 10am, 8pm | **CAE is offering a free downloadable simulation related to Coronavirus** **Free Webinar on March 18th (registration open now)**This webinar will focus on:- Infection control practices (ICP)- Proper identification of coronavirus- Implementation of proper personal protective equipment (PPE)- Conducting safe patient triage and containment- Addressing complicationsThis webinar is being offered in conjunction with a newly-designed **COVID-19 Simulated Clinical Experience** |
| [John Hopkins Medicine Case Studies](https://www.hopkinsmedicine.org/gec/studies/) | **Free Case Studies:**Posttraumatic Stress DisorderPre-Surgical Evaluation and Management of the Older PatientPharmacologic Treatment of Depressive Symptoms in HemodialysisOsteoporosis Impact in and Older AdultAn Unusual Case of SyncopeA Case of Depression in a Patient with Dementia |
| [University of Washington Resources and Training](https://collaborate.uw.edu/resources-and-training/)Uses many cases from medEDPORTAL<https://www.mededportal.org/collections/> | **Free Resources**Online Training and Toolkits: Heart Failure CurriculumSeries of tutorials (modules) on the essential components of heart failure care<https://collaborate.uw.edu/resources-and-training/online-training-and-toolkits/heart-failure-learning-resources/online-modules/>Curricula and Facilitator Guides (medEdPORTAL – The Journal of Teaching and Learning Resources) --- Many sims can be converted to virtual setting<https://collaborate.uw.edu/resources-and-training/curriculum-and-facilitator-guides/>Error Disclosure Training: <https://www.mededportal.org/publication/10606/>Recognizing Child Maltreatment: <https://www.mededportal.org/publication/10712/>Brown Bag Simulation to Improve Med Management in Older Adults:<https://www.mededportal.org/publication/10857/> |
| [OPENPediatrics](https://www.openpediatrics.org/) | Click on ‘Courses\_Free Self-Paced Training’Students and Faculty are able to register for a free accountCourses available from 30 minutes to 15 hours longRequired coursework and certificates available to validate |
| [Josie King Foundation](http://josieking.org/home/)Old video and guided questions, but still pertinent to patient safety and errors | The Josie King Foundation has a partial curriculum available on the website that goes along with the DVD.We have the DVD available in the University library – online. Denham, C., King, S., Texas Medical Institute of Technology, & Johns Hopkins Hospital. (2007). *The Josie King story told by Sorrel King* (Version 7.0. ed.). Austin, Tex.]: TMIT.[The Josie King story told by Sorrel King](https://primo-pmtna01.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=01UCT_ALMA21351143800002432&context=L&vid=01UCT&lang=en_US&search_scope=EVERYTHING&adaptor=Local%20Search%20Engine&tab=default_tab&query=any,contains,josie%20king&offset=0)Charles R Denham; Sorrel King; Texas Medical Institute of Technology.c2007 Austin, Tex. : TMITAvailable at Babbidge Library Stacks (R729.8 .J67 2007 ) Online access Even though it is older, it makes for a great discussion about patient safety and errors. On the main page go to JFK Tools, Josie’s Story a Patient Safety Curriculum, scroll down and click on previewIt provides the basis of the curriculum including some great guided debriefing questions PDF: <http://josieking.org/wp-content/uploads/2015/09/JKF-curriculum-selectionpages_11.pdf>You can watch the 13 minute video on You Tube: <https://www.youtube.com/watch?v=b2DQg7JNwKI>Or just a clip of it made for QSEN (4 min): <https://www.youtube.com/watch?v=b2DQg7JNwKI> |
| [CDC Training and Continuing Education Online](https://tceols.cdc.gov/) | Click on ‘Search Courses’Browse TopicsPlethora of Continuing Education Resources – All Free |
| [CDC Train](https://www.train.org/cdctrain/home) | Faculty and Students Need to Create an Account and a ProfileLarge Selection of webinars on every topic you can imagineOnce an account is created the program will track all completed work |
| [Nurse Mentor\_Case Studies](https://thenursementor.com/) | **Sign up for an account and the site will allow you access to one free case study titled:** **Healthcare Disparities and Cultural Competence****The content includes a case of an elderly patient with Type 2 diabetes who requires a translator**All content is posted on Blackboard including:Instructor Version of PowerPoint and SimulationStudent Version of PowerPoint and SimulationStudent WorksheetWeblinks:[Healthy People 2020\_Disparities](https://www.healthypeople.gov/2020/about/foundation-health-measures/Disparities)[Health Disparities Tool User Guide](https://www.healthypeople.gov/sites/default/files/HP-Disparities-Users-Guide.pdf) |
| Harding, M. & Snyder, J. (2020). *Clinical Reasoning Cases in Nursing. (7th edition).* St Louis, MO: Elsevier.Available in Kindle VersionUsed at UCONN for undergrad nursing education | **Clinical Cases in Nursing that focus Across the Lifespan on topics related to:**PerfusionGas ExchangeMobilityDigestionUrinary EliminationIntracranial RegulationMetabolism and glucose regulationImmunityCellular regulationTissue IntegrityCognitionInfection and InflammationDevelopmentalReproductiveMood, Stress, and Addiction\*Not all students have the case study book. Contact a track coordinator to obtain a copy of a case study topic.  |
| [Medical Cannabis: What Nurses Need to Know](https://www.myamericannurse.com/medical-cannabis-what-nurses-need-to-know/) | **Case Study with Questions / Answers*****Excellent overview*** of the science and research related to medical cannabisVery Important to add this topic into the nursing curriculum!Theisen, E & Konieczny, E. (2019). Medical cannabis: What nurses need to know. American Nurse Today, Vol.14(11), p.6-11. Retrieved from: <https://www.myamericannurse.com/medical-cannabis-what-nurses-need-to-know/>Download the PDF to get full article with Case Study QuestionsQuestions and Assignment both loaded on Blackboard In addition to the case study and questions have students access the following website:<https://portal.ct.gov/DCP/Medical-Marijuana-Program/Medical-Marijuana-Program>On the left hand side of the main page, click on the 4th tab down “Qualifying Patients”Under qualifying patients click on Qualification RequirementsThis will show you a list of diagnoses the State of CT has approved for a medical marijuana license. Have students choose one diagnosis they are familiar with and/or have had a clinical experience with. Have students provide a current research article for their chosen diagnosis and then write a short paper about how medical marijuana could possibly help. Another Article for Reference on Medical Marijuana[Caring for Patients Using Medical Marijuana](https://www.ncsbn.org/Article.pdf)NCSBN National Nursing Guidelines for Medical Marijuana[NCSBN Medical MJ](https://www.ncsbn.org/The_NCSBN_National_Nursing_Guidelines_for_Medical_Marijuana_JNR_July_2018.pdf)On the right hand side of the NCSBN page there are lots of resources for position statements on the use of MJ[Medical Marijuana Related Articles on NCSBN](https://www.ncsbn.org/marijuana-guidelines.htm)American Cannabis Nurses AssociationLINK: <https://cannabisnurses.org/>Huge collection of resources including online courses; activists sites, and general infoACNA has a Medical Cannabis Curriculum for Nurses; 8 CNE Contact Hours; $125\*\*\* Build on this by converting this pediatric marijuana ingestion sim into a case study exercise<https://www.mededportal.org/publication/10780/> |
| [Free Sepsis Case Studies](https://www.keithrn.com/resources/)Fee to access 100’s of case studies | KeithRN has some free resourcesUse this LINK: <https://www.keithrn.com/resources/>Scroll all the way to the bottom to **download** the FREE SEPSIS Case Studies1. Sepsis SKINNY Reasoning Case Study
2. Sepsis UNFOLDING Reasoning Case Study

Valuable Blog Post: How to Use Unfolding Case Studies as a Clinical Replacement Activity<https://www.keithrn.com/2020/03/how-to-use-unfolding-case-studies-as-a-clinical-replacement-activity/>Fees for Access to All Case Studies: $449 annual payment – over 250 case studies |
| **Resources for Listening to Heart Sounds** |
| Harvey the Cardiopulmonary Patient Simulator Assignments (On Blackboard) | Three case study style scenarios posted on BlackboardLinks below will augment the scenarios |
| [University of Washington Heart Sounds and Murmurs](https://depts.washington.edu/physdx/heart/demo.html) | **Audible heart sounds and murmurs for the following:**Normal heart sounds; murmurs; aortic stenosis; mitral regurgitation; pulmonic stenosis; aortic insufficiency; mitral stenosis; benign murmur; atrial septal defect; ventricular septal defect; patient ductus arteriosus; extra heart sounds; split S2; S3; S4; rubs; pericardial rubs |
| [Heart Sound and Murmur Library](http://www.med.umich.edu/lrc/psb_open/html/repo/primer_heartsound/primer_heartsound.html) | Quality heart sounds; easy to navigate webpage |
| [Easy Auscultation\_Heart Sounds\_Lung Sounds\_Blood Pressure](https://www.easyauscultation.com/heart-sounds-audio) | **Free courses on heart sounds, lung sounds, and blood pressure** |
| [Littman Heart Sounds Course](http://www.3m.com/healthcare/littmann/LIA-Basics.htm) | **Short heart sounds courses including descriptions, waveforms, audible heart sounds, and anatomy. Question and Answers built into each topic.**Topics include: normal heart sounds; reduced intensity heart sounds; splitting of second heart sound; third heart sound gallop; fourth heart sound gallop; summation gallop; fixed splitting of second heart sound; mid-systolic click; mitral valve prolapse; aortic stenosis; aortic regurgitation; mitral regurgitation; mitral stenosis |
| Free Resources via the University of Connecticut Library |
| [UCONN Library Nursing Resources](https://lib.uconn.edu/) | The University of Connecticut Library has a wealth of resources for nursing.Click on the link to the library.LoginGo to **‘Research Databases’**Go to **‘Nursing’**On the bottom of the page click on **‘show all nursing databases’****Medscape Reference is an excellent resource**The ‘Cases, Quizzes, and Trends’ section offers Case Challenges, Fast Quizzes, and Trending Clinical TopicsStudents and faculty will need to create a Medscape AccountAccess is free because it is supported by the UCONN library**Micromedex Healthcare Series**Click on ‘Micromedex’Under ‘Resources’ click on either ‘Black Box Warnings’ or ‘Do Not Confuse Drug List’Great resource to have students explore various meds and determine why they have a Black Box Warning and/or which drugs are high risk for look alike and sound alike names**Symptom Media Film Library**Films for Mental Health Education and TrainingGuided Case Studies and Assessment Tools**Symptom Media Film Previews**Mental Health Nursing CollectionFor Full Access Request a free trial (faculty only)**Dynamed**Updated regularly for the latest evidence based practice and comprehensive information on any disease state imaginableExcellent up to date information on COVID-19Scroll to bottom of pageClick on ‘View all updates’View in [COVID-19 (Novel Coronavirus)](https://www.dynamed.com/condition/covid-19-novel-coronavirus#TOPIC_T3G_MP2_YKB__LI_F1C_YS4_ZKB)**Visual Diagnosis**Great tool to use via WebEx or in pre/post conference with studentsClick on the Quick Start Differential BuilderAs an example: Choose General Symptoms: FeverChoose Developed acutely (days to weeks)On the right choose patient info (age, male/female)On the left choose Appearnce of Patient – patient appears illAssociated Symptoms – Respiratory – CoughTravel History – Enter ChinaClick on the Right hand side where it says ‘View This Differential’All Possible diagnoses will pop upCOVID-19 is the first possible findingClick on a Disease State and it will link you to synopsis/diagnostic pearls/best tests/etc.**Lexicomp**Great resource for drug interactionsProvide students with a list of medications for a patient and ask them to check all drug interactions**Access Medicine**Lots of Resources Here!Create an Account for optimal Access to online programsOn the top tab choose **Multimedia**There are several choices:**Auscultation Classroom** is a great tool for cardiac assessment **Harrison’s Pathophysiology Animations** are a great review**The Physical Exam Section** is an excellent review of health assessmentReturn to the top tab and choose **Cases**There are 58 clinical scenarios of acid-base disturbancesUnder **Cases, Case Files, Pharmacology** there are excellent case studies that include comprehensive questionsUnder **Cases, Fluid/Electrolyte Acid-Base Cases** there are 9 case studiesUnder **Cases, the Vanderbilt IM/Peds** Curriculum is phenomenal Return to the top tab and choose **Study Tools****Access Showdown** is a great online gaming resource (especially for physical assessment). Students can play with each other or with the computer.  |