**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:**  Emergency  Pediatrics  Maternal and Child  Mental 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 care  Veterans  Caring for persons with disabilities  Pediatrics  Caregivers | |
| [GNSH 30 minute weekly](http://www.gnsh.org/30-minute-weekly-initiative/teamenagements/) | **Free unfolding Case Studies**  Safety related issues focused on  Medication errors  Premature diagnosis  Nursing errors  System thinking and error prevention | |
| Oxford Medical Simulation | **Free for GW – at Graduate and undergrad levels**  Neutropenic sepsis with penicillin allergy  Pneumonia and renal transplant  Delirium with urosepsis  IV drug user with cellulitis and abscess  Perforated diverticular disease and peritonitis  Heart failure and missed MI  NSTEMI  Acute severe asthma  DVT and PE  Pneumothorax  Infective exacerbation of COPD  Upper GI bleed  Pancreatitis and fluid management  DKA  Anaphylaxis  Seizure and hypoglycemia  Post op morphine overdose  AKI and electrolyte disturbance  ETOH 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 Sim  Eating Disorders  End of Life  Managing Incivility  Medical Error  Opioid Withdrawal  Postpartum Hemorrhage  Sepsis  Trans 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 COVID19  Suspected COVID19 (part 2)  Pediatric Airway Obstruction  Sepsis/Cholangitis  Hyperkalemia  Ventricular Tachycardia  Pulmonary Edema  Pulmonary Embolism  Seizure | |
| 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:  Resources  Products and Integration  Real Life Clinical Reasoning Scenarios  Here you will find:  RN Medical Surgical Lesson Plans  RN Maternal Newborn Lesson Plans  RN Mental Health Lesson Plans  RN Nursing Care of Children Lesson Plans  Each 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 trial  Use 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 OR  Contact [help@nursethink.com](mailto: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 link  However, **If you are considering becoming a subscriber and would like to view a sample scenario,** please email Deborah at [deborah@healthimpact.org](mailto: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 Leadership  Dosage Calculation  Medical-Surgical  Medication Administration  Obstetrical Triage  Mental Health  Pediatrics |
| [Healthcare Learning Innovations](https://www.healthcarelearninginnovations.com/use-cases/) | | **Virtual Clinical Simulations / Virtual Scenarios**  Virtual Clinical Simulation Demonstration (Free Webinar)  April 15, 2020  Exploring Sentinel City and Sentinel Town  Clinical Simulations • Sentinel City • Sentinel Town • Sentinel Hospital  Clinical Scenarios • Prioritization of Care • Patient Management & Delegation • Nursing Quality Indicators • Family Support & Home Assessment  Sentinel 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 Hemorrhage  Med Administration  Respectful Conversations for Difficult Situations  End of Life  Tornado Disaster Sim  Pediatric Sim and Unfolding Case Study  OB Unfolding Case  Utilizing SBARR  Care of the Post-CABG Patient  And 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 Caregivers  March 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 Seniors  ACE.Z – Advancing Care Excellence for Alzheimer’s Patients and Caregivers  ACE.V – Advancing Care Excellence for Veterans  ACE.D – Advancing Care Excellence for Persons with Disabilities  ACE.P – Advancing Care Excellence Pediatrics  ACE.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 Trauma  Adrenal Crisis  Anaphylaxis (inpatient)  Anaphylaxis (bee sting in an 8-month old)  Apnea  Asthmatic Protocol for ED  Atrial Fibrillation  Burn (Cigarette Fire)  Burn (Meth Lab Explosion)  Cardiac Arrest  Chest and Abdominal Trauma  Crohns  DKA  ETOH withdrawal  HTN  Hypoxia  PPH  Sepsis  Shock  Snake Bite  Stroke |
| [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 Pain  Urinary Incontinence  Pressure Ulcers  Falls  COPD  Depression  Hyperglycemia  Delirium  UTI  Dehydration  Restraints  Sepsis  Pneumonia  Weight Loss  Transient Urinary Incontinence  Polypharmacy  End of Life  Chronic 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):**  Anesthetics  Core Medicine  Surgery  Foundation  General Practice  Pediatrics  Psychiatry  Emergency Medicine |
| [California Maternal Quality Care Collaborative](https://www.cmqcc.org/resources-toolkits) | | **Free Resources and Toolkits**  Cardiovascular Disease Toolkit  Early Elective Deliveries Toolkit  OB Hemorrhage Toolkit  Preeclampsia Toolkit  Sepsis Toolkit  Supporting Vagina Birth and Reducing Primary Cesareans Toolkit  Venous 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 Webinar  EST: 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 complications  This 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 Disorder  Pre-Surgical Evaluation and Management of the Older Patient  Pharmacologic Treatment of Depressive Symptoms in Hemodialysis  Osteoporosis Impact in and Older Adult  An Unusual Case of Syncope  A 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 Curriculum  Series 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 account  Courses available from 30 minutes to 15 hours long  Required 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. : TMIT  Available 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 preview  It 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 Topics  Plethora of Continuing Education Resources – All Free |
| [CDC Train](https://www.train.org/cdctrain/home) | | Faculty and Students Need to Create an Account and a Profile  Large Selection of webinars on every topic you can imagine  Once 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 Simulation  Student Version of PowerPoint and Simulation  Student Worksheet  Weblinks:  [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 Version  Used at UCONN for undergrad nursing education | | **Clinical Cases in Nursing that focus Across the Lifespan on topics related to:**  Perfusion  Gas Exchange  Mobility  Digestion  Urinary Elimination  Intracranial Regulation  Metabolism and glucose regulation  Immunity  Cellular regulation  Tissue Integrity  Cognition  Infection and Inflammation  Developmental  Reproductive  Mood, 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 cannabis  Very 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 Questions  Questions 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 Requirements  This 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 Association  LINK: <https://cannabisnurses.org/>  Huge collection of resources including online courses; activists sites, and general info  ACNA 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 resources  Use this LINK: <https://www.keithrn.com/resources/>  Scroll all the way to the bottom to **download** the FREE SEPSIS Case Studies   1. 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 Blackboard  Links 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.  Login  Go 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 Topics  Students and faculty will need to create a Medscape Account  Access 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 Training  Guided Case Studies and Assessment Tools  **Symptom Media Film Previews**  Mental Health Nursing Collection  For Full Access Request a free trial (faculty only)  **Dynamed**  Updated regularly for the latest evidence based practice and comprehensive information on any disease state imaginable  Excellent up to date information on COVID  -19  Scroll to bottom of page  Click 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 students  Click on the Quick Start Differential Builder  As an example:  Choose General Symptoms: Fever  Choose Developed acutely (days to weeks)  On the right choose patient info (age, male/female)  On the left choose Appearnce of Patient – patient appears ill  Associated Symptoms – Respiratory – Cough  Travel History – Enter China  Click on the Right hand side where it says ‘View This Differential’  All Possible diagnoses will pop up  COVID-19 is the first possible finding  Click on a Disease State and it will link you to synopsis/diagnostic pearls/best tests/etc.  **Lexicomp**  Great resource for drug interactions  Provide 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 programs  On 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 assessment  Return to the top tab and choose **Cases**  There are 58 clinical scenarios of acid-base disturbances  Under **Cases, Case Files, Pharmacology** there are excellent case studies that include comprehensive questions  Under **Cases, Fluid/Electrolyte Acid-Base Cases** there are 9 case studies  Under **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. |