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The Healthcare Management Solutions, LLC (HMS) Resource List

Version date: 09/28/2017

Disclaimer: The Healthcare Management Solutions, LLC (HMS) Resource List is a representative list of internet pages and is not, nor is it intended to be, an exhaustive or exclusive list. By providing this list, neither the Centers for Medicare and Medicaid Services (CMS), the Centers for Disease Control and Prevention (CDC), Federal Government, nor HMS make any endorsement of the pages, the organizations, or the programs contained therein, and none should be inferred with the exception of the pages that are published by CMS or CDC. This list is not intended to—nor can it—take the place of any applicable state or federal statute or regulation or official CMS policy. Website owners are solely responsible for the content of their respective sites.

Note to user: the links below are used optimally with Microsoft Internet Explorer.

Resources	Description	Sources
Antibiotic Stewardship, <i>Clostridium difficile</i> Infection (CDI), and Multidrug-Resistant Organisms (MDROs)	AHRQ Nursing Home Antimicrobial Stewardship Guide, which includes toolkits to: - Implement, monitor, and sustain antimicrobial stewardship program - Determine whether it is necessary to treat a potential infection with antibiotics - Help prescribing clinicians choose the right antibiotic - Educate and engage residents and family members	https://www.ahrq.gov/nhguide/index.html
	AHRQ: Toolkit for How to Build a Nursing Home Antibioqram	https://www.ahrq.gov/nhguide/toolkits/help-clinicians-choose-the-right-antibiotic/toolkit2-concise-antibiogram-toolkit.html
	California Department of Health ASP in Nursing Homes	https://www.cdph.ca.gov/Programs/CHCQ/HAI/Pages/CA_AntimicrobialStewardshipProgramInitiative.aspx
	2006 Management of Multi-Drug Resistant Organisms in Healthcare Settings	http://www.cdc.gov/hicpac/pdf/guidelines/MDROGuideline2006.pdf
	2007 Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings	http://www.cdc.gov/hicpac/pdf/isolation/Isolation2007.pdf

Resources	Description	Sources
Antibiotic Stewardship, <i>Clostridium difficile</i> Infection (CDI), and Multidrug-Resistant Organisms (MDROs) – continued	2015 Update Toolkit – Facility Guidance for Control of Carbapenem-resistant <i>Enterobacteriaceae</i> (CRE)	https://www.cdc.gov/hai/organisms/cre/cre-toolkit/index.html
	Clinical Practice Guidelines for <i>Clostridium Difficile</i> Infection in Adults: 2010 Update by the Society for Healthcare Epidemiology of America (SHEA) and the Infectious Diseases Society of America (IDSA)	https://www.idsociety.org/uploadedFiles/IDSA/Guidelines-Patient_Care/PDF_Library/cdiff2010a.pdf
	SHEA-IDSA Strategies to Prevention <i>Clostridium Difficile</i> Infections in Acute Care Hospitals: 2014 Update	http://www.jstor.org/stable/pdf/10.1086/676023.pdf
	National NH Quality Care Collaborative: <i>C. difficile</i> and Antibiotic Stewardship Nursing Home training Resources	http://qioprogram.org/nursing-home-training-sessions
	National Nursing Home Quality Improvement Campaign, NNHQIC (formerly Advancing Excellence): <i>C. Difficile</i> and Antibiotic Stewardship Resources	https://www.nhqualitycampaign.org/cdifficileAntibioticStewardship.aspx
	NNHQIC <i>C. Difficile</i> Identification and Assessment Checklist	https://www.nhqualitycampaign.org/files/EarlyID_Assessment.pdf
	CDC’s Core Elements of Hospital Antibiotic Stewardship Programs	http://www.cdc.gov/getsmart/healthcare/implementation/core-elements.html
	CDC’s Core Elements of Antibiotic Stewardship for Nursing Homes	https://www.cdc.gov/longtermcare/prevention/antibiotic-stewardship.html
	CDC Implementation Resources for Antibiotic Stewardship	http://www.cdc.gov/getsmart/healthcare/implementation.html
Catheter-Associated Urinary Tract Infection (CAUTI)	Targeted Assessment for Prevention (TAP) Catheter-Associated Urinary Tract Infection (CAUTI) Toolkit Implementation Guide: Links to Example Resources	https://www.cdc.gov/hai/prevent/tap/resources.html
		https://www.cdc.gov/hai/ca_uti/uti.html

Resources	Description	Sources
Catheter-Associated Urinary Tract Infection (CAUTI) – continued	2009 Guideline for Prevention of Catheter-Associated Urinary Tract Infections <i>“suggest deleting as it is outdated, and the SHEA/IDSA has updated below”</i>	https://www.cdc.gov/hicpac/pdf/CAUTI/CAUTIguideline2009final.pdf
	AHRQ Tools for Reducing UTIs and Using SBAR Tools in Nursing Homes	https://www.ahrq.gov/nhguide/toolkits/determine-whether-to-treat/toolkit1-suspected-uti-sbar.html
	2014 APIC Guide to Preventing Catheter-Associated Urinary Tract Infections	http://apic.org/Resource_/EliminationGuideForm/0ff6ae59-0a3a-4640-97b5-eee38b8bed5b/File/CAUTI_06.pdf
	Catheter-Associated Urinary Tract Infection Prevention ppt. California Dept. of Health	https://www.cdph.ca.gov/Programs/CHCQ/HAI/Pages/MonitoringAdherenceToHCPracticesThatPreventInfection.aspx
	ICHE Strategies to Prevent Catheter-Associated Urinary Tract Infections in Acute Care Hospitals: 2014 Update	http://www.icpsne.org/SHEA%202014%20Updated%20CAUTI%20Prevention%20Guidelines%20(1).pdf
	American Nurses Association CAUTI Prevention Toolkit	http://nursingworld.org/CAUTI-Tool
	SHEA/IDSA Practice Recommendations: Strategies to Prevent Catheter-Associated Urinary Tract Infections in Acute Care Hospitals: 2014 Update	http://www.jstor.org/stable/10.1086/675718
Central Venous Catheter Appropriate Use, Insertion, and Maintenance	CDC Checklist for Prevention of Central Line-Associated Blood Stream Infections (CLABSI)	https://www.cdc.gov/hai/bsi/bsi.html
	2011 Guidelines for Prevention of Intravascular Catheter-related infections	https://www.cdc.gov/infectioncontrol/guidelines/bsi/index.html
	AHRQ Tools for Reducing CLABSIs	https://www.ahrq.gov/professionals/education/curriculum-tools/clabsitools/index.html
	SHEA/IDSA Practice Recommendation: Strategies to Prevent Central Line–Associated Bloodstream Infections in Acute Care Hospitals: 2014 Update	http://www.jstor.org/stable/10.1086/676533

Resources	Description	Sources
Construction Infection Prevention	Infection Control Risk Assessment Matrix of Precautions for Construction & Renovation	http://www.premiersafetyinstitute.org/wp-content/uploads/ICRA-MatrixColorRevised-091109.pdf
Disinfection and Sterilization (General)	2008 Guideline for Disinfection and Sterilization in Healthcare Facilities	https://www.cdc.gov/hai/pdfs/disinfection_nov_2008.pdf
	CDC/FDA Health Update about the Immediate Need for Healthcare Facilities to Review Procedures for Cleaning, Disinfecting, and Sterilizing Reusable Medical Devices	http://www.idsociety.org/CDC_20151002/
	ASC Quality Collaboration Rounding Kit	http://www.ascquality.org/SterilizationHighLevelDisinfectionToolkit.cfm
	Anesthesia Infection Prevention	http://www.aana.com/resources2/professionalpractice/Pages/Infection-Prevention-and-Control-Guidelines-for-Anesthesia-Care.aspx checklist: http://www.apicmn.org/2013%20Presentations/conf/Susan%20Dolan-%20Handouts.pdf
	Skin Preparation	http://www.hqinstitute.org/find/results/skin%20antiseptis
	Single Use Devices	https://www.cdc.gov/infectioncontrol/guidelines/disinfection/reuse-of-devices.html http://www.ast.org/uploadedFiles/Main_Site/Content/About_Us/Guideline_Single-Use_Devices.pdf
	Humidity in the OR	http://www.aha.org/advocacy-issues/tools-resources/advisory/2015/150121-quality-adv.pdf
	Sterilization Best Practices	http://www.spsmedical.com/audio-seminars/Sterilization_Best_Practices.pdf
	CDC Infection Control – Frequently Asked Questions – Sterilization – Packaging and Storage	https://www.cdc.gov/oralhealth/infectioncontrol/faq/sterilization_cleaning.htm

Resources	Description	Sources
Environmental Cleaning and Disinfection	2003 CDC Guidelines for Environmental Infection Control in Health Care Facilities	https://www.cdc.gov/mmwr/preview/mmwrhtml/rr5210a1.htm http://www.cdc.gov/hicpac/pdf/guidelines/eic_in_HCF_03.pdf https://www.cdc.gov/hai/prevent/tap/resources.html
	M.M. Quinn et al. / <i>American Journal of Infection Control</i> 43 (2015) 424-34. Cleaning and Disinfecting Environmental Surfaces in Health Care: Toward an Integrated Framework for Infection and Occupational Illness Prevention	http://www.ajicjournal.org/article/S0196-6553%2815%2900075-9/pdf
	CDC Environmental Checklist for Monitoring Terminal Cleaning	http://www.cdc.gov/HAI/toolkits/Environmental-Cleaning-Checklist-10-6-2010.pdf
	CDC Options for Evaluating Environmental Cleaning	https://www.cdc.gov/hai/toolkits/evaluating-environmental-cleaning.html
	Environmental Cleaning and Disinfecting for MRSA	https://www.cdc.gov/mrsa/community/environment/index.html https://www.cdc.gov/mrsa/
	NNHQIC – Appropriate Cleaning/Disinfection of Equipment and the Environment Checklist	https://www.nhqualitycampaign.org/files/EnvironmentalCleaning_Assessment.pdf
	EPA listing of disinfectant products with sporicidal activity against <i>C. difficile</i>	https://www.epa.gov/pesticide-registration/list-k-epas-registered-antimicrobial-products-effective-against-clostridium
	CDC Norovirus Prevention Toolkit	https://www.cdc.gov/HAI/organisms/norovirus.html http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/Outbreaks/Documents/cleanup.pdf
	CDC Infection Prevention during Blood Glucose Monitoring and Insulin Administration	https://www.cdc.gov/injectionsafety/blood-glucose-monitoring.html
	Selected EPA-Registered Disinfectants	https://www.epa.gov/pesticide-registration/selected-epa-registered-disinfectants

Resources	Description	Sources
Environmental Cleaning and Disinfection – continued	FDA Information for Healthcare Professionals: Risk of Transmission of Blood-borne Pathogens from Shared Use of Insulin Pens	https://www.fda.gov/Drugs/DrugSafety/PostmarketDrugSafetyInformationforPatientsandProviders/DrugSafetyInformationforHeathcareProfessionals/ucm133352.htm
	Infection Prevention during Blood Glucose Monitoring and Insulin Administration	https://www.cdc.gov/injectionsafety/blood-glucose-monitoring.html
	Frequently Asked Questions (FAQs) regarding Assisted Blood Glucose Monitoring and Insulin Administration	http://www.cdc.gov/injectionsafety/providers/blood-glucose-monitoring_faqs.html
	2008 CDC Guideline for Disinfection and Sterilization in Healthcare Facilities	http://www.cdc.gov/hicpac/pdf/guidelines/Disinfection_Nov_2008.pdf
	FDA: Reprocessing of Reusable Medical Devices	https://www.fda.gov/MedicalDevices/ProductsandMedicalProcedures/ReprocessingofReusableMedicalDevices/default.htm
General LTC Infection Prevention Program Resources	CMS Revision to State Operations Manual (SOM) Appendix PP for Phase 2, F-Tag Revisions, and Related Issues	https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/SurveyCertificationGenInfo/Downloads/Survey-and-Cert-Letter-17-36.pdf
	CDC Infection Prevention Resources for Long-Term Care	http://www.cdc.gov/longtermcare
	High reliability Principles of Infection Prevention in LTC	https://www.jointcommission.org/hripcltc.aspx
Hand Hygiene (HH)	2002 CDC Hand Hygiene in Healthcare Settings	https://www.cdc.gov/handhygiene/index.html
	2009 WHO Guidelines on Hand Hygiene in Health Care	http://www.who.int/gpsc/5may/tools/9789241597906/en/
	APIC Hand Hygiene page	http://www.apic.org/Resources/Topic-specific-infection-prevention/hand-hygiene
	The Joint Commission – Measuring Hand Hygiene Adherence: Overcoming the Challenges	http://www.jointcommission.org/assets/1/18/hh_monograph.pdf https://www.jointcommission.org/topics/hai_hand_hygiene.aspx

Resources	Description	Sources
	Hand Hygiene Monitoring (iScrub)	https://itunes.apple.com/us/app/iscrub-lite/id329764570?mt=8
	NNHQIC– Hand Hygiene Checklist	https://www.nhqualitycampaign.org/files/HandHygiene_Assessment.pdf
Healthcare Personnel Safety	CDC Vaccine Information for Adults: Recommended Vaccines for Healthcare Workers	http://www.cdc.gov/vaccines/adults/rec-vac/hcw.html
	Immunization of Health-Care Personnel: Recommendations of the Advisory Committee on Immunization Practices (ACIP), 2011	https://www.cdc.gov/mmwr/pdf/rr/rr6007.pdf
	Influenza: A Toolkit for Long-Term Care Employers – Increasing Influenza Vaccination Among Health Care Personnel in Long-Term Care Settings	https://www.cdc.gov/flu/toolkit/long-term-care/
	Occupational Safety and Health Administration (OSHA) Bloodborne Pathogens and Needlestick Prevention Standard	https://www.osha.gov/SLTC/bloodborne pathogens/gen_guidance.html
	Hospital Respiratory Protection Program Toolkit	https://www.osha.gov/Publications/OSHA3767.pdf
	Updated USPHS Guidelines for the Management of Occupational Exposures to HIV and Recommendations for Postexposure Prophylaxis, 2013	https://stacks.cdc.gov/view/cdc/20711
Infection Control Program Risk Assessment	Using the Risk Assessment to Set Goals and Develop the Infection Prevention and Control Plan. The Joint Commission, 2010	http://www.jcrinc.com/using-the-risk-assessment-to-set-goals-and-develop-the-infection-prevention-and-control-plan/
	Risk Assessment Tool	https://spice.unc.edu/infection-control-tools-policy-risk-assessment-competency-and-more/
	Larson E, Aiello A. Systematic Risk Assessment Methods for the Infection Control Professional. Am J Infect Control 2006; 34:323-6	https://deepblue.lib.umich.edu/bitstream/handle/2027.42/55416/Larson%20E,%20Systematic%20risk%20assessment%20methods.pdf?sequence=1

Resources	Description	Sources
Infection Surveillance (Long-Term Care)	Tracking Infections in Long-Term Care	https://www.cdc.gov/nhsn/ltc/index.html http://www.fadona.org/2017/116%20Surveillance%20Definitions%20of%20Infections%20in%20Long-Term%20Care%20Facilities.pdf Tips for Surveillance: http://www.health.state.mn.us/divs/idepc/dtopics/antibioticresistance/asp/ltc/apxj.pdf
	Loeb Criteria	https://www.medicine.wisc.edu/sites/default/files/clinical_uncertainties_in_the_approach_crnich.pdf
Interfacility Transfer Form	CDC Example 1	https://www.cdc.gov/hai/pdfs/toolkits/InfectionControlTransferFormExample1.pdf
	CDC Example 2	https://www.cdc.gov/hai/pdfs/toolkits/InfectionControlTransferFormExample2.pdf
	AHRQ Medical Care Referral Form	https://www.ahrq.gov/sites/default/files/wysiwyg/nhguide/4_TK2_T1-Medical_Care_Referral_Form.pdf
Narcotic Diversion	2016 Hospital ASHP Guidelines on Preventing Diversion of Controlled Substances	http://ajhp.org/content/early/2016/12/22/ajhp160919
Personal Protective Equipment (PPE) and Transmission Based Precautions	2007 CDC Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings	https://www.cdc.gov/infectioncontrol/guidelines/isolation/index.html
	CDC Guidance for the Selection and Use of Personal Protective Equipment in Healthcare Settings	https://www.cdc.gov/HAI/prevent/ppe.html
	CDC Sequence for Donning and Removing Personal Protective Equipment	http://www.cdc.gov/hai/pdfs/ppe/PPE-Sequence.pdf
Personal Protective Equipment (PPE) and Transmission Based Precautions – continued	Washington State Transmission Based Precautions Signage	http://www.wsha.org/quality-safety/projects/standardization/

Resources	Description	Sources
Resources to Assist with Evaluation and Response to Breaches in Infection Control	Patel PR, Srinivasan A, Perz JF. Developing a Broader Approach to Management of Infection Control Breaches in Health Care Settings. Am J Infect Control. 2008 Dec; 36(10); 685-90	http://www.ajicjournal.org/article/S0196-6553(08)00683-4/abstract
	Steps for Evaluating an IC Breach	http://www.cdc.gov/hai/outbreaks/steps_for_eval_IC_breach.html
	Patient Notification Toolkit	http://www.cdc.gov/injectionsafety/pntoolkit/index.html
Respiratory Hygiene/Cough Etiquette	2007 CDC Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings	https://www.cdc.gov/infectioncontrol/guidelines/isolation/index.html
	Recommendations for Preventing the Spread of Influenza	http://www.cdc.gov/flu/professionals/infectioncontrol/
	CDC Interim Guidance for Influenza Outbreak Management in LTCFs	https://www.cdc.gov/flu/professionals/infectioncontrol/ltc-facility-guidance.htm
Safe Injection Practices	CDC training video and related Safe Injection Practices Campaign materials	http://oneandonlycampaign.org
	2007 CDC Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings	https://www.cdc.gov/infectioncontrol/guidelines/isolation/index.html
	APIC Position Paper 2016: Safe Injection, Infusion, and Medication Vial Practices	http://www.apic.org/Resource_/TinyMceFileManager/Position_Statements/2016/APICSIPPositionPaper.pdf
Surgical Site Prevention and Wound management		https://www.cdc.gov/hai/ssi/ssi.html https://www.guideline.gov/summaries/summary/13416 https://www.dhs.wisconsin.gov/publications/p01715.pdf http://apps.who.int/iris/bitstream/10665/250680/1/9789241549882-eng.pdf http://www.7sbundle.com/uploads/4/6/4/2/4642325/the_7_s_bundle_approach_-_2016.pdf http://www.hqinstitute.org/find/results/skin%20antiseptics
Survey-Nursing Homes CMS	CMS Survey & Certification Guidance for Laws and Regulations Nursing Homes	https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/GuidanceforLawsAndRegulations/Nursing-Homes.html

Resources	Description	Sources
Textiles	Hospital Hygienically Clean Reusable Textiles	<p>2011 HLAC Standards http://sourceamericalaundry.mindtouch.us/@api/deki/files/572/2011_HLAC_Standards_-_Released_June_15_2011.pdf</p> <p>2015 HLAC Update http://www.trsa.org/sites/default/files/uploads/documents/hygienic_trsa_standard.pdf</p>
Examples of State IP Education and Resources	Kentucky IP Training for Long-Term Care	http://chfs.ky.gov/os/oig/Infectioncontrol.htm
	NY University of Rochester Medical Center Infection Control Education	https://www.urmc.rochester.edu/MediaLibraries/URMCMedia/center-experiential-learning/Syllabus-2013.pdf
	NC Statewide Program for Infection Control	https://spice.unc.edu/courses/icltchome/
	Oregon HAI Toolkit for LTC	http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/HAI/Pages/Long-Term-Care-Facilities.aspx
Ventilator-Associated Event (VAE) and Pneumonia Prevention	2003 CDC Guidelines for Preventing Healthcare-Associated Pneumonia	http://www.cdc.gov/hicpac/pdf/guidelines/CDCpneumo_guidelines.pdf
	Bronchoscopy Suite Infection Prevention	http://www.atsjournals.org/doi/full/10.1164/rccm.200208-797CC#readcube-epdf
	APIC Resource Guides to Prevention of Pneumonia	<p>http://www.apic.org/Resource_/TinyMceFileManager/Periodical_Images/Preventing_HAP_Fall2015.pdf</p> <p>http://www.apic.org/Resource_/EliminationGuideForm/18e326ad-b484-471c-9c35-6822a53ee4a2/File/VAP_09.pdf</p>
Water Management / Legionella Prevention	2017 CDC: Developing a Water Management Program to Reduce <i>Legionella</i> Growth & Spread in Buildings	<p>https://www.cdc.gov/legionella/clinicians.html</p> <p>https://www.cdc.gov/legionella/maintenance/wmp-toolkit.html</p> <p>https://www.cdc.gov/legionella/downloads/toolkit.pdf</p>