



# Inventory of Key USAID and Global AMR-related System Strengthening Resources/Interventions

August 2017



**USAID**  
FROM THE AMERICAN PEOPLE

**SIAPS**   
Systems for Improved Access  
to Pharmaceuticals and Services



# **Inventory of Key USAID and Global AMR-related System Strengthening Resources/Interventions**

---

August 2017





This report is made possible by the generous support of the American people through the US Agency for International Development (USAID), under the terms of cooperative agreement number AID-OAA-A-11-00021. The contents are the responsibility of Management Sciences for Health and do not necessarily reflect the views of USAID or the United States Government.

## **About SIAPS**

The goal of the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program is to ensure the availability of quality pharmaceutical products and effective pharmaceutical services to achieve desired health outcomes. Toward this end, the SIAPS result areas include improving governance, building capacity for pharmaceutical management and services, addressing information needed for decision-making in the pharmaceutical sector, strengthening financing strategies and mechanisms to improve access to medicines, and increasing quality pharmaceutical services.

## **Recommended Citation**

This report may be reproduced if credit is given to SIAPS. Please use the following citation.

2017. *Inventory of Key USAID and Global AMR-related System Strengthening Resources/Interventions*. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health.

Systems for Improved Access to Pharmaceuticals and Services  
Pharmaceuticals and Health Technologies Group  
Management Sciences for Health  
4301 North Fairfax Drive, Suite 400  
Arlington, VA 22203 USA  
Telephone: 703.524.6575  
Fax: 703.524.7898  
E-mail: [siaps@msh.org](mailto:siaps@msh.org)  
Website: [www.siapsprogram.org](http://www.siapsprogram.org)



## **INVENTORY OF KEY USAID AND GLOBAL AMR-RELATED SYSTEM STRENGTHENING RESOURCES/INTERVENTIONS**

The following is a selected list of resources and interventions that support antimicrobial resistance (AMR) containment. The list is divided into US Agency for International Development (USAID) and non-USAID resources.

The objective of this inventory is to provide a list of key resources, tools, and interventions that create or strengthen systems that are necessary to improve antimicrobial use and AMR containment. Along with the full references, links are provided directly to the documents or to sites from where the documents can be downloaded. The intention is to periodically update the inventory as new resources, tools, and evidence-based interventions become available.

### **Key USAID system strengthening resources/interventions**

- Andualem T. 2014. Outcomes of the Journalists' Capacity-Building Intervention in the Prevention and Containment of Antimicrobials Resistance in Ethiopia, 2012 to 2014. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/publication/altview/outcomes-of-the-journalists-capacity-building-intervention-in-the-prevention-and-containment-of-antimicrobial-resistance-in-ethiopia-2012-to-2014/english/>
- Berrada S, Mkandawire T, Kamungoma-Dada I, Njuho P, Thipa N, Pinini Z, Nkambule N, Sallet JP. 2013. What Are the Reasons for Switching ART Patients to Second-line Regimen in Public Healthcare Settings in Gauteng? Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/publication/altview/switching-art-patients-to-second-line-regimen/english/>
- Berrada S, Mphaka T, Van Loggerenberg M. 2016. Using Electronic Pharmacy Dispensing Data for Surveillance of Outpatient Antibiotic Consumption at District and Provincial Hospitals in the South African Public Sector: A Feasibility Study in North West Province (Anonymised). Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/publication/altview/using-electronic-pharmacy-dispensing-data-for-surveillance-of-outpatient-antibiotic-consumption-and-monitoring-of-antibiotic-prescribing-practices-at-district-and-provincial-hospitals-in-the-south-afr/english/>
- Better Treatment Outcomes through Patient-Centered Pharmaceutical Care. <http://siapsprogram.org/2013/10/15/better-treatment-outcomes-through-patient-centered-pharmaceutical-care/>

- Drug and Therapeutics Committees: A Practical Guide. WHO-MSH/RPM Plus, 2003. <http://apps.who.int/medicinedocs/en/d/Js4882e/>
- DTC Training Guides – complete set with participant’s guide, trainer’s guide, and PowerPoint slides. [http://who.int/medicines/technical\\_briefing/tbs/Trainer-s-Guide-All-Sessions.pdf](http://who.int/medicines/technical_briefing/tbs/Trainer-s-Guide-All-Sessions.pdf);  
[http://www.who.int/medicines/technical\\_briefing/tbs/Participant-s-Guide-All-Sessions.pdf](http://www.who.int/medicines/technical_briefing/tbs/Participant-s-Guide-All-Sessions.pdf)
- Edson WN et al. 2004. Developing Job Aids to Increase Adherence to an Antibiotic Regimen in Children with Pneumonia in Niger. Quality Assurance Project, University Research Co., LLC. <https://www.usaidassist.org/sites/assist/files/nigerjobaids.pdf>
- Evaluation of the Performance of Malaria Control Strategies in Latin America, Using Adequacy Criteria (SIAPS Technical Report) <http://siapsprogram.org/publication/evaluation-of-the-performance-of-malaria-control-strategies-in-latin-america-using-adequacy-criteria/>
- Gammouh S, Joshi M. 2013. Improving Antibiotic Prophylaxis in Cesarean Section in Jordanian Hospitals: SIAPS Technical Report. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://apps.who.int/medicinedocs/documents/s21698en/s21698en.pdf>
- Goredema W, Briggs J, Ntengu M, Phulu B, Andualet T, Getahun W, Diop K, Joshi MP. Improving Infection Prevention and Control Practices at Health Facilities in Resource-limited Settings: SIAPS Technical Report. 2016. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/wp-content/uploads/2016/07/16-090-SIAPS-ICAT-Global-Technical-Report-final.pdf>
- Guidelines for Implementation of Pharmaceutical and Therapeutics Committees in Gauteng Province (South Africa), 2013. <http://siapsprogram.org/publication/altview/guidelines-for-implementation-of-pharmaceutical-and-therapeutics-committees-in-gauteng-province/English/>
- Jonas A, Gweshe J, Siboleka M, DeKlerk M, Gawanab M, et al, 2013. HIV Drug Resistance Early Warning Indicators in Namibia for Public Health Action. PLoS ONE 8(6): e65653. doi:10.1371/journal.pone.0065653. <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0065653>
- Joshi M et al. 2014. Strengthening Pre-service Pharmacy Training on Rational Medicine Use and Antimicrobial Resistance. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://apps.who.int/medicinedocs/documents/s21528en/s21528en.pdf>



- Joshi MP, Clark A, Ludman M. 2016. Systems-based Approaches to Improving Medication Adherence. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/publication/systems-based-approaches-to-improving-medication-adherence/>
- Joshi MP. Containing Antimicrobial Resistance to Realize the Goals of Universal Health Coverage. Presented at the Ecumenical Pharmaceutical Network (EPN) Forum 2016 Tubingen, Germany, May 18–21, 2016. [http://siapsprogram.org/wp-content/uploads/2016/05/AMR-UHC\\_USAID-SIAPS\\_EPN-Forum-2016\\_Germany\\_Mohan-Joshi\\_19May2016.pdf](http://siapsprogram.org/wp-content/uploads/2016/05/AMR-UHC_USAID-SIAPS_EPN-Forum-2016_Germany_Mohan-Joshi_19May2016.pdf)
- Promoting the Rational Medicine Use of ARVs, Anti-TB, and Other Medicines and Preventing the Development of Antimicrobial Resistance in Namibia: Workshop and Stakeholders Forum. <http://siapsprogram.org/publication/altview/promoting-rational-medicine-use-and-preventing-the-development-of-antimicrobial-resistance-in-namibia-workshop-and-stakeholders-forum/English/>
- Prudence G et al. Implementing the Multi-Method Assessment Tool, Swaziland, Africa TB Conference 2012, Zanzibar. December 5–7, 2012. <http://africatb2012.files.wordpress.com/2012/12/session-6-1-greatjoy-mazibuko.pdf>
- RPM Plus and Macro International, 2008. Antimicrobial Resistance Module for Population-Based Surveys. [http://www.dhsprogram.com/What-We-Do/Survey-Types/upload/AMR\\_Mod\\_8\\_5\\_8\\_FINAL.pdf](http://www.dhsprogram.com/What-We-Do/Survey-Types/upload/AMR_Mod_8_5_8_FINAL.pdf)
- Scaling Up Integrated Community Case Management in Burundi (PowerPoint presentation). <http://siapsprogram.org/publication/scaling-up-cmm/>
- *SIAPS Technical Program Update: Combating Antimicrobial Resistance with Stronger Health Systems.* <http://siapsprogram.org/wp-content/uploads/2016/11/AMR-TechUpdate-Nov2016-FORMAT2-1.pdf>
- *SIAPS Technical Program Update: Promoting the Rational Use of Medicines.* <http://siapsprogram.org/wp-content/uploads/2015/03/RMU-TechUpdate-Mar2015.pdf>
- SIAPS. Enhancing Health Outcomes for Chronic Diseases in Resource-Limited Settings by Improving the Use of Medicines: The Role of Pharmaceutical Care. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://apps.who.int/medicinedocs/documents/s21523en/s21523en.pdf>
- SIAPS. 2017. Building Coalitions for Containing Antimicrobial Resistance: A Guide. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services Program. Arlington, VA: Management Sciences for

Health. <http://siapsprogram.org/publication/altview/building-coalitions-for-containing-antimicrobial-resistance-a-guide/english/>

- SIAPS. 2015. Developing, Implementing, and Monitoring the Use of Standard Treatment Guidelines: A SIAPS How-to Manual. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/publication/stg-how-to-manual/>
- SIAPS. 2014. Drug Use Reviews—A Practical Strategy to Ensure the Appropriate Use of Anti-Tuberculosis Medicines. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/publication/altview/dur-anti-tb-medicines/english-pdf/>
- SIAPS. 2013. Infection Control Self-Assessment Tool for Primary Health Care Facilities. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. [http://siapsprogram.org/wp-content/uploads/2013/01/12-137-ICAT-PCH.FINAL\\_.pdf](http://siapsprogram.org/wp-content/uploads/2013/01/12-137-ICAT-PCH.FINAL_.pdf)
- SIAPS. 2013. Revising Preservice Curriculum to Incorporate Rational Medicine Use Topics: A Guide. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health. <http://siapsprogram.org/wp-content/uploads/2013/01/Preservice-Curriculum-Final.pdf>
- SIAPS. 2012. How to Investigate Antimicrobial Use in Hospitals: Selected Indicators. Submitted to the US Agency for International Development by the Systems for Improved Access to Pharmaceuticals and Services (SIAPS) Program. Arlington, VA: Management Sciences for Health (available in English, French, and Spanish). <http://siapsprogram.org/wp-content/uploads/2012/12/12-096-AMR-Hospital-Indicator-Manual.English.final-11.13.12.pdf>
- SPS. 2009. Infection Control Assessment Tool, 2nd Edition. Submitted to the US Agency for International Development by the Strengthening Pharmaceutical Systems (SPS) Program. Arlington, VA: Management Sciences for Health. [http://siapsprogram.org/wp-content/uploads/2012/05/ICAT-composite\\_FINAL\\_May-2009.pdf](http://siapsprogram.org/wp-content/uploads/2012/05/ICAT-composite_FINAL_May-2009.pdf)
- SPS. 2009. Infection Control Assessment Tool, 2nd Edition: User Manual. Submitted to the US Agency for International Development by the Strengthening Pharmaceutical Systems (SPS) Program. Arlington, VA: Management Sciences for Health. <https://docs.google.com/a/msh.org/viewer?a=v&pid=sites&srcid=bXNoLm9yZ3xzcHMtYXJjaGl2ZXxneDozYjUyZjBjYzclYTVmY2I>
- United States Pharmacopeia Drug Quality and Information Program and collaborators. 2007. Ensuring the Quality of Medicines in Resource-Limited Countries: An Operational Guide.

Rockville, MD: The United States Pharmacopeial Convention.

<http://apps.who.int/medicinedocs/documents/s18424en/s18424en.pdf>

- URC/CHS. When Essential Medicines Fail: Prioritizing Antimicrobial Resistance in Health Service Delivery. <http://www.unc-chs.com/sites/default/files/When%20Essential%20Medicines.pdf>
- USAID Assist Project. Promotion of Quality and Safety of Healthcare in Egypt by Implementing a Pilot Surveillance Program for Hospital-acquired Infections. <https://www.usaidassist.org/resources/promotion-quality-and-safety-healthcare-egypt-implementing-pilot-surveillance-program>
- USAID. Combat Antimicrobial Resistance. <https://www.usaid.gov/what-we-do/global-health/health-systems/goals/combat-antimicrobial-resistance>
- USAID. Emerging Pandemic Threats. <https://www.usaid.gov/what-we-do/global-health/pandemic-influenza-and-other-emerging-threats>
- Using a Health-Systems-Strengthening Approach to Contain AMR: A South African Experience. <http://siapsprogram.org/2015/05/21/using-a-health-systems-strengthening-approach-to-contain-amr-a-south-african-experience/>
- USP. Medicines Quality Database (MQDB) <http://www.usp.org/global-health/medicines-quality-database>
- Valimba R et al. Engaging the Private Sector to Improve Antimicrobial Use in the Community: Experience from Accredited Drug Dispensing Outlets in Tanzania. *J Pharm Policy Pract.* 2014; 7(1): 11. Published online 2014 Sep 17. doi: 10.1186/2052-3211-7-11.

### **Key non-USAID system strengthening resources/interventions**

- Bbosa GS et al. Effects of Intervention Measures on Irrational Antibiotics/Antibacterial Drug Use in Developing Countries: A Systematic Review. *Scientific Research (open access)*. Vol.6, No.2, 171–187 (2014). <http://dx.doi.org/10.4236/health.2014.62027>
- Bloom G et al. Addressing Resistance to Antibiotics in Pluralistic Health Systems. Steps Centre, 2015. <http://steps-centre.org/wp-content/uploads/AMR.pdf>
- Brink AJ et al. Antimicrobial Stewardship across 47 South African Hospitals: An Implementation Study. *Lancet Infectious Diseases* 2016, Published online June 13, 2016. [http://dx.doi.org/10.1016/S1473-3099\(16\)30012-3](http://dx.doi.org/10.1016/S1473-3099(16)30012-3)

- Canadian Committee on Antibiotic Resistance. Infection Prevention and Control Best Practices for Long Term Care, Home and Community Care including Health Care Offices and Ambulatory Clinics, 2007. <https://www.wsava.org/sites/default/files/Infection%20Prevention%20and%20control%20Best%20Practices%20.pdf>
- CDC. Antibiotic Resistance Threats in the United States, 2013. <https://www.cdc.gov/drugresistance/pdf/ar-threats-2013-508.pdf>
- CDC. Core Elements of Hospital Antibiotic Stewardship Programs. <https://www.cdc.gov/getsmart/healthcare/implementation/core-elements.html>
- CDC. Guidelines Library – Infection Control. <https://www.cdc.gov/infectioncontrol/guidelines/index.html>
- Cecchini M et al. 2015. Antimicrobial Resistance in G7 Countries and Beyond: Economic Issues, Policies and Options for Action. OECD. <https://www.oecd.org/els/health-systems/Antimicrobial-Resistance-in-G7-Countries-and-Beyond.pdf>
- Dar OA et al. Exploring the Evidence Base for National and Regional Policy Interventions to Combat Resistance. Lancet 2016; 387: 285–95. Published online November 18, 2015. [http://dx.doi.org/10.1016/S0140-6736\(15\)00520-6](http://dx.doi.org/10.1016/S0140-6736(15)00520-6)
- Davey P et al. Interventions to Improve Antibiotic Prescribing Practices for Hospital Inpatients. Cochrane Database Syst Rev. 2013 Apr 30;4:CD003543. doi: 10.1002/14651858.CD003543.pub3. <https://www1.imperial.ac.uk/resources/0FFB1648-10D4-4CBD-9472-CA6247A9655D/daveypetalcochranedatabaseofsystematicreviews2013.pdf>
- Evidence for Action, 2003. <http://whqlibdoc.who.int/publications/2003/9241545992.pdf>
- Food and Agriculture Organization of the United Nations. The FAO Action Plan on Antimicrobial Resistance, 2016–2020. <http://www.fao.org/3/a-i5996e.pdf>
- Gelband H, Delahoy M. 2014. Policies to Address Antibiotic Resistance in Low- and Middle-Income Countries. Center for Disease Dynamics, Economics & Policy. [https://www.cddep.org/sites/default/files/abrinlmics\\_cddep\\_gelband\\_and\\_delahoy\\_9-14.pdf](https://www.cddep.org/sites/default/files/abrinlmics_cddep_gelband_and_delahoy_9-14.pdf)
- Global Health Security Agenda (GHSa). Antimicrobial Resistance Action Package. <https://www.ghsagenda.org/packages/p1-antimicrobial-resistance>
- Health Care Without Harm & Pediatric Infectious Diseases Society. Antimicrobial Stewardship Through Food Animal Agriculture Toolkit Module: Guidance for Healthcare Facilities and Health Professionals, 2017. [https://noharm-uscanada.org/sites/default/files/documents-files/4603/CCAS%20Toolkit%20Module\\_FINAL\\_3-2-2017.pdf](https://noharm-uscanada.org/sites/default/files/documents-files/4603/CCAS%20Toolkit%20Module_FINAL_3-2-2017.pdf)

- Holloway K, van Dijk L. 2011. The World Medicines Situation 2011. Rational Use of Medicines. World Health Organization.  
[http://www.who.int/medicines/areas/policy/world\\_medicines\\_situation/WMS\\_ch14\\_wRational.pdf](http://www.who.int/medicines/areas/policy/world_medicines_situation/WMS_ch14_wRational.pdf)
- Joint Commission. New Antimicrobial Stewardship Standard (effective 1 January 2017).  
[https://www.jointcommission.org/assets/1/6/New\\_Antimicrobial\\_Stewardship\\_Standard.pdf](https://www.jointcommission.org/assets/1/6/New_Antimicrobial_Stewardship_Standard.pdf)
- Lancet series on antimicrobial access and resistance, November 2015.  
<http://www.thelancet.com/series/antimicrobials-access-and-sustainable-effectiveness>
- Morgan DJ et al. Diagnostic Stewardship—Leveraging the Laboratory to Improve Antimicrobial Use. *JAMA*. Published online July 31, 2017. doi:10.1001/jama.2017.8531.  
<http://jamanetwork.com/journals/jama/fullarticle/2647071?widget=personalizedcontent&previousarticle=2553454>
- PAHO, WHO, FIU. Monitoring and Evaluation of the Global Action Plan on Antimicrobial Resistance (AMR): Regional Expert Consultation on Monitoring and Evaluation of AMR Interventions, Washington, DC, January 26–27, 2017.
- ReAct. Take Action on Antibiotic Resistance – Toolbox.  
<https://www.reactgroup.org/toolbox/>
- Review on AMR. 2015. Antimicrobials in Agriculture and the Environment: Reducing Unnecessary Use and Waste. The Review on Antimicrobial Resistance. <https://amr-review.org/sites/default/files/Antimicrobials%20in%20agriculture%20and%20the%20environment%20-%20Reducing%20unnecessary%20use%20and%20waste.pdf>
- Review on AMR. 2016. Tackling Drug-Resistant Infections Globally: Final Report and Recommendations. The Review on Antimicrobial Resistance. [https://amr-review.org/sites/default/files/160518\\_Final%20paper\\_with%20cover.pdf](https://amr-review.org/sites/default/files/160518_Final%20paper_with%20cover.pdf)
- Schuts EC et al. Current Evidence on Hospital Antimicrobial Stewardship Objectives: A Systematic Review and Meta-analysis. *Lancet Infect Dis* 2016; 16: 847–56. Published online March 2, 2016. [http://dx.doi.org/10.1016/S1473-3099\(16\)00065-7](http://dx.doi.org/10.1016/S1473-3099(16)00065-7)
- Storr J et al. Core Components for Effective Infection Prevention and Control Programmes: New WHO Evidence-based Recommendations. *Antimicrobial Resistance and Infection Control* (2017) 6:6. doi: 10.1186/s13756-016-0149-9.  
<https://aricjournal.biomedcentral.com/articles/10.1186/s13756-016-0149-9>
- Tomson G, Vlad I. The Need to Look at Antibiotic Resistance from a Health Systems Perspective. *Upsala Journal of Medical Sciences*, 119:2, 117–124. Published online 27 Mar 2014. doi: 10.3109/03009734.2014.902879.  
<http://www.tandfonline.com/doi/full/10.3109/03009734.2014.902879>

- WHO. 2015. Global Antimicrobial Resistance Surveillance System (GLASS): Manual for Early Implementation. <http://www.who.int/antimicrobial-resistance/publications/surveillance-system-manual/en/>
- WHO. Global Monitoring of Country Progress on Addressing Antimicrobial Resistance (Version: 2016). <http://www.who.int/antimicrobial-resistance/national-action-plans/AMR-self-assessment-2016/en/>
- WHO Guidelines on Hand Hygiene in Health Care, 2009. [http://apps.who.int/iris/bitstream/10665/44102/1/9789241597906\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/44102/1/9789241597906_eng.pdf)
- WHO. 2015. Global Action Plan on Antimicrobial Resistance. Geneva: WHO. [http://apps.who.int/iris/bitstream/10665/193736/1/9789241509763\\_eng.pdf?ua=1](http://apps.who.int/iris/bitstream/10665/193736/1/9789241509763_eng.pdf?ua=1)
- WHO. Antibiotic Resistance: Multi-country Public Awareness Survey, 2015. <http://www.who.int/antimicrobial-resistance/publications/baselinesurveynov2015/en/>
- WHO. Antimicrobial Resistance: A Manual for Developing National Action Plans, 2016. <http://www.who.int/antimicrobial-resistance/national-action-plans/manual/en/>
- WHO. Antimicrobial Resistance: Global Report on Surveillance, 2014. <http://www.who.int/antimicrobial-resistance/publications/surveillance-report/en/>
- WHO. Global Guidelines on the Prevention of Surgical Site Infection, 2016. <http://www.who.int/gpsc/ssi-prevention-guidelines/en/>
- WHO. Global Strategy for Containment of Antimicrobial Resistance, 2001. [http://www.who.int/drugresistance/WHO\\_Global\\_Strategy\\_English.pdf](http://www.who.int/drugresistance/WHO_Global_Strategy_English.pdf)
- WHO. Guidelines on Core Components of Infection Prevention and Control Programmes at the National and Acute Health Care Facility Level, 2016. <http://www.who.int/gpsc/ipc-components-guidelines/en/>
- WHO. Joint External Evaluation Tool (International Health Regulations 2005), 2016. [http://apps.who.int/iris/bitstream/10665/204368/1/9789241510172\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/204368/1/9789241510172_eng.pdf)
- WHO. National Action Plans (NAP): Supporting Documents and Tools. <http://www.who.int/antimicrobial-resistance/national-action-plans/supporting-documents-tools/en/>
- WHO. The Evolving Threat of Antimicrobial Resistance: Options for Action. [http://apps.who.int/iris/bitstream/10665/44812/1/9789241503181\\_eng.pdf](http://apps.who.int/iris/bitstream/10665/44812/1/9789241503181_eng.pdf)
- WHO. Worldwide Country Situation Analysis: Response to Antimicrobial Resistance, 2015. <http://www.who.int/antimicrobial-resistance/publications/situationanalysis/en/>

- Wilton Park (in collaboration with FAO). Report—Antimicrobial Resistance in Humans and Animals in Low and Middle Income Countries: How Can Knowledge and Action be Strengthened at National Level? <https://www.wiltonpark.org.uk/event/wp1399/>
- World Bank Group. 2017. Drug-Resistant Infections: A Threat to Our Economic Future (Final Report). Washington, DC: International Bank for Reconstruction and Development/The World Bank.  
<http://documents.worldbank.org/curated/en/323311493396993758/pdf/114679-REVISED-v2-Drug-Resistant-Infections-Final-Report.pdf>
- World Organization for Animal Health (OIE). The OIE Strategy on Antimicrobial Resistance and the Prudent Use of Antimicrobials, 2016.  
[http://www.oie.int/fileadmin/Home/eng/Media\\_Center/docs/pdf/PortailAMR/EN\\_OIE-AMRstrategy.pdf](http://www.oie.int/fileadmin/Home/eng/Media_Center/docs/pdf/PortailAMR/EN_OIE-AMRstrategy.pdf)