

Antibiotic Stewardship Program The Roles of Clinical Pharmacist

HCMC Annual Scientific Conference on Infection Control 2017

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27 Dec 2017

The issues

- Drug-resistant bacteria cause 23,000 deaths and 2 million illnesses each year in US.
- 25,000 people die each year in Europe from antimicrobial resistance.
- AMR leads to higher medical costs, prolonged hospital stays, increased morbidity & mortality.
- Antibiotics have becoming less and less effective due to its overuse and misuse.

MOH Manual on Management of the Use of Antibiotics in Hospital (Decision No. 772/QĐ-BYT, 2016)

MINISTRY OF HEALTH

SOCIALIST REPUBLIC OF VIETNAM
Independence – Freedom – Happiness

No. 772/QĐ-BYT

Hanoi, 04 March 2016

DECISION

ON THE ISSUANCE OF THE “MANUAL ON MANAGEMENT OF THE USE OF ANTIBIOTICS IN HOSPITALS”

MINISTER OF HEALTH

Pursuant to the Law 2009 on medical examination and treatment;

Pursuant to the Government's Decree No. 63/2012/NĐ-CP dated 31 August 2012 on the functions, missions, authority and organizational structure of the Ministry of Health;

Pursuant to the Decision No. 2174/QĐ-BYT dated 21 June 2013 on the approval of the National action plan for combating antibiotic resistance from 2013 to 2020;

At the request of the Head of the Agency of Health examination and treatment,

DECIDES:

Article 1. This decision is enclosed with the “Manual on management of the use of antibiotics in hospitals”.

Article 2. The “Manual on management of the use of antibiotics in hospitals” enclosed to this Decision shall apply to hospitals.

The director of each hospital shall have the manual applied accordingly.

Article 3. This Decision takes effect from the date of signing.

Article 4. Chief of the Ministry's Office, Chief of the Ministry's Inspectorate, Head of the Agency of Health examination and treatment, Heads of Faculties of the Ministry of Health, Directors of hospitals and institutes with medical beds under the Ministry of Health, Directors of Faculties of Health of provinces and centrally affiliated cities, Medical heads of sectors and Heads of relevant units are held responsible for enforcing this Decision./.

FOR MINISTER
DEPUTY MINISTER

Nguyen Thi Xuyen

Joint Commission International Accreditation Standards for Hospitals 6th Edition (2017), Standard MMU.1.1



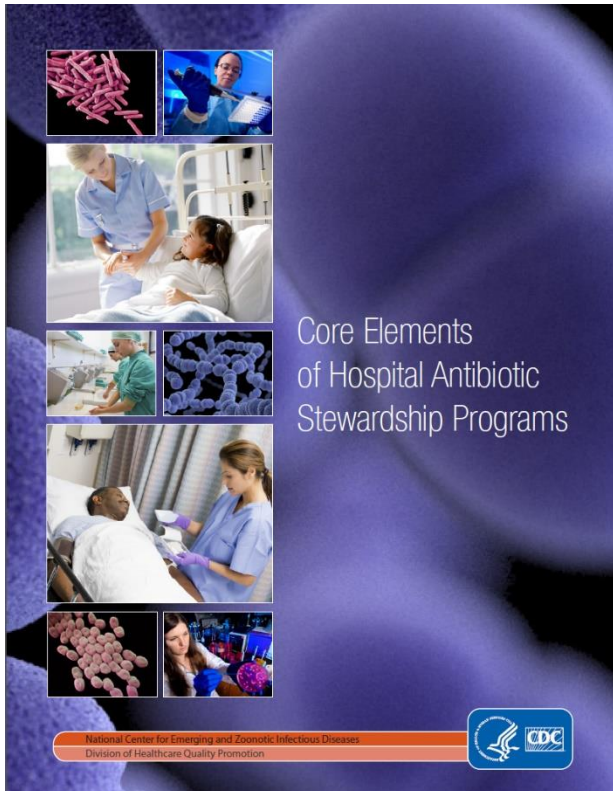
Standard MMU.1.1

The hospital develops and implements a program for the prudent use of antibiotics based on the principle of antibiotic stewardship.

Measurable Elements of MMU.1.1

- 1. The hospital develops and implements a program for antibiotic stewardship that involves infection prevention and control professionals, physicians, nurses, pharmacists, trainees, patients, families, and others. (*Also see* PCI.2, MEs 2 and 3)
- 2. The program is based on scientific evidence, accepted practice guidelines, and local laws and regulations. (*Also see* QPS.3 and GLD.2, ME 5)
- 3. The program includes guidelines for the optimal use of antibiotic therapy for treatment of infections, including the proper use of prophylactic antibiotic therapy. (*Also see* GLD.11.2)
- 4. There is a mechanism to oversee the program for antibiotic stewardship. (*Also see* MMU.2.1, ME 1)
- 5. The effectiveness of the antibiotic stewardship program is monitored.

CDC Core Elements of Hospital Antibiotic Stewardship Programs (2014)



Control of multi-drug resistant organisms in healthcare must include attention to judicious antimicrobial use¹.

Campaign to promote improved use of antibiotics in acute care hospitals².

CDC recommended that all acute care hospitals implement Antibiotic Stewardship Programs³

¹CDC guideline “Management of Multi-Drug Resistant Organisms in Healthcare Settings (2006)

²CDC Get Smart for Healthcare Campaign (2009)

³CDC Core Elements of Hospital Antibiotic Stewardship Programs (2014)

What is “Antibiotic Stewardship Program”

A formal, structured and systematic program in ensuring prudent, appropriate and optimal use of antibiotics as well as effective communication across the continuum of patient care.

What are clinical pharmacist roles?



What are pharmacist/clinical pharmacist roles?

- ✓ Review appropriateness of antibiotic prescription.
- ✓ Approve use of restricted antibiotic.
- ✓ Review compliance with antibiotic time out.
- ✓ Analyse antibiotic utilization (Defined Daily Dose, DDD).
- ✓ Track and monitor compliance of the interventions.
- ✓ Educate clinicians and other relevant staffs.



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DECIDES:



End 2015

- 1) FV Antimicrobial Therapy Handbook
- 2) Antibiotics Usage Policy
- 3) Restricted Antibiotics

Early 2016

MOH Manual on Management of The Use of Antibiotics

Nov 2016

FV WAAW 14-20 Nov 2016

July 2017

JCI 6th Edition

Standard MMU.1.1

Nov 2017

- 1) Antibiotic Stewardship Program
- 2) Antibiotic Stewardship Sub-Committee
- 3) FV WAAW 13- 19 Nov 2017

THANK YOU

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