

# **INVESTING IN HAND HYGIENE AND INFECTION PREVENTION AND CONTROL AT THE NATIONAL LEVEL**

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**World Hand Hygiene Day 2021**

# PERSPECTIVE

ECONOMIC  
EVALUATION

BEHAVIOR  
CHANGE

4-5 AVERAGE<sup>1</sup> HCAIs OR 1 SEVERE HCAI = ANNUAL COST OF HAND HYGIENE PRODUCTS FOR INPATIENT CARE AREAS OF A MEDIUM SIZED HOSPITAL<sup>2</sup>

A REDUCTION OF LESS THAN 1% IN HCAI, ATTRIBUTABLE TO IMPROVED HAND HYGIENE<sup>3</sup> = COST SAVING

BEHAVIOR  
CHANGE

# INTERVENTION

IMPROVEMENT

PERSPECTIVE

ECONOMIC  
EVALUATION

# BEHAVIOR CHANGE

1. Boyce JM. Antiseptic technology: access, affordability, and acceptance. Emerging Infectious Diseases, 2001, 7:231–233

2. Cosgrove S, Perencevich EN. Economic evaluation of healthcare-associated infection and infection control intervention. In: Jarvis W, ed. Bennett & Brachman's Hospital Infections, 5th ed. Philadelphia, PA, Lippincott Williams & Wilkins, 2007:235-246

3. Pittet D et al. Effectiveness of a hospital-wide programme to improve compliance with hand hygiene. Lancet, 2000, 356:1307–1312.

**PERSPECTIVE**

**ECONOMIC  
EVALUATION**

**BEHAVIOR  
CHANGE**

*INTERVENTION*

*BEHAVIOR CHANGE*

*IMPROVEMENT*

**ECONOMIC EVALUATION**

*IMPROVEMENT*

**ECONOMIC EVALUATION**

**INPUTS  
(COSTS)**

**COST-BENEFIT (\$)**

**OUTPUTS  
(CONSEQUENCES)**

**COST-EFFECTIVENESS / COST-UTILITY (QALY, DALY)**

*PERSPECTIVE*

*ECONOMIC  
EVALUATION*

**BEHAVIOR CHANGE**

*ECONOMIC EVALUATION*

*PERSPECTIVE*

*INTERVENTION*

*INTERVENTION*

**BEHAVIOR  
CHANGE**

**IMPROVEMENT**







**PAYER**



**SOCIETAL**

# PERSPECTIVE

ECONOMIC  
EVALUATION

BEHAVIOR  
CHANGE

INTERVENTION BEHAVIOR CHANGE IMPROVEMENT

ECONOMY OF SCALE

IMPROVEMENT

ECONOMIC EVALUATION

BEHAVIOR  
CHANGE

STANDARDIZATION



**NATIONAL LEVEL**



AWARENESS

IMPROVEMENT

PERSPECTIVE

ECONOMIC  
EVALUATION

BEHAVIOR CHANGE

ECONOMIC EVALUATION PERSPECTIVE INTERVENTION

COMPETITION



INTERVENTION

BEHAVIOR  
CHANGE

IMPROVEMENT



**PERSPECTIVE**

**ECONOMIC  
EVALUATION**

**BEHAVIOR  
CHANGE**

**INTERVENTION**

**BEHAVIOR CHANGE**

**IMPROVEMENT**

**IMPROVEMENT**

**ECONOMIC**

**EVALUATION**

**BEHAVIOR  
CHANGE**

**INTERVENTION**

**IMPROVEMENT**

**IMPROVEMENT**

**PERSPECTIVE**

**ECONOMIC  
EVALUATION**

**BEHAVIOR CHANGE**

**ECONOMIC EVALUATION**

**INTERVENTION**

**INTERVENTION**

**BEHAVIOR  
CHANGE**

**IMPROVEMENT**



**SAVE LIVES  
CLEAN YOUR HANDS**



**SECONDS  
SAVE  
LIVES  
— CLEAN YOUR —  
HANDS!**

#HandHygiene

#CleanYourHands

#InfectionPrevention