

Operational Performance Indicator of Infection Control

General Directorate of Infection Prevention and Control

2023



Indicator Aim

Measuring the rate of implementation of infection control measures in healthcare facilities.



Frequency

Quarterly



The main components of the indicator

1. Surveillance of Healthcare-Associated Infections (HAIs).
2. Adherence to Healthcare-Associated Outbreak Notification.
3. The Compliance Rate of Infection Prevention & Control (IPC) Standards in Healthcare Facilities.
4. The Implementation of A Continuous Training Program on The Basic Infection Control Skills in Healthcare Facilities.





1. Surveillance of Healthcare-Associated Infections (HAIs).



Weight from the overall indicator

30%

Sub-indicator	Indicator Definition	Weight	Equation	Calculation	Data source
Central Line Associated Bloodstream Infection (CLABSI) rate in Intensive Care Units (ICUs)	The indicator aims to measure the CLABSI rate in adult and neonatal ICUs according to the facility's scope of service, and compare it with the national and international benchmarks, based on the international approved definition.	100 %	Total No. of events /central line days *1000	<ul style="list-style-type: none">■ (0 – 0.9) = 100%■ (>0.9 – 2.5) = 75%■ (>2.5 – 5) = 25%■ > 5 = 0%	HESN+

2. Adherence to Healthcare-Associated Outbreak Notification.



Weight from the overall indicator

30%

Sub-indicator	Indicator Definition	Weight	Equation	Calculation	Data source
The reported notifications of Healthcare-Associated Outbreaks	The indicator aims to measure the capability of targeted health care facilities [^] to detect healthcare-associated outbreaks over the last 9 months, according to the updated national guideline and the approved mechanism.	25 %	No. of notifications over the last 9 months in the healthcare facility.	<ul style="list-style-type: none"> ■ ≥ 1 notification over the last 9 months = 100% ■ No notification = 0% 	GDIPC Platform
The capability of health care facilities to early detect Healthcare-Associated Outbreaks.	The indicator aims to measure the percentage of early detection of Healthcare-Associated Outbreak (level C), relative to the total number of Healthcare-Associated Outbreaks over the last 9 months, according to the updated national guideline and the approved mechanism.	75 %	Total No. of notifications level C in the healthcare facility / Total No. of notifications in the healthcare facility * 100	Based on the percentage	GDIPC Platform

[^]The targeted health care facilities: The facilities with active ICUs admission .

3. The Compliance Rate of Infection Prevention & Control (IPC) Standards in Healthcare Facilities.



Weight from the overall indicator

30%

Sub-indicator	Indicator Definition	Weight	Equation	Indicator Calculation	Data source
Infection Prevention & Control (IPC) standards compliance rate in healthcare facility	The indicator aims to measure the hospitals' compliance rate in regard to the implementation of IPC standards through a tool that is updated and approved semiannually by the General Directorate of Infection Prevention & Control (GDIPC) based on the national and international latest updated references. The measurement of the hospitals' compliance rate is conducted through assessment visits that is performed by licensed and approved infection control auditors.	100 %	Compliance rate	Based on the percentage	GDIPC Platform

4. The Implementation of A Continuous Training Program on The Basic Infection Control Skills in Healthcare Facilities.



Weight from the overall indicator

% 10

Sub-indicator	Indicator Definition	Weight	Equation	Calculation	Data source
The percentage of the coverage of the healthcare facility by the targeted Basic Infection Control Skills License (BICSL) trainers.	The indicator aims to measure the number of licensed and approved BICSL trainers in healthcare facility, based on the GDIPC approved mechanism for BICSL program.	100%	The No. of BICSL approved trainers in the healthcare facility / The targeted No. BICSL trainers in the healthcare facility *100	Based on the percentage	HESN+

Indicator Improvement



The indicator is subject to improvement and modification of its basic components and method of calculation based on the newly developed recommendations in order to improve the performance of infection control programs in the kingdom and ensure the quality of health care delivery and support the health transformation process.

Indicator Quality



The quality of indicators is checked on a quarterly basis by the GDIPC.

Indicator Sharing



Within the framework of the responsibilities entrusted to the GDIPC and the Vision Realization Office in order to develop the infection control departments and ensure the stability and continuity of program performance and enable all efforts that would contribute to supporting the strategic objectives of health transformation program in the Kingdom.

The Operational Performance Indicator of Infection Control in the kingdom will be shared with the relevant authorities on the 10th day of the beginning of each quarter.