Partnering to combat AMR

Antimicrobials are a mainstay of modern medicine...

...but decades of outmoded prescribing practices and extensive use of antimicrobials in food production have driven a rise in organisms that are resistant to these life-saving drugs. Antimicrobial-resistant infections create life-threatening hazards for patients and substantially increase the cost of delivering quality healthcare. Appropriate medical procedures and use of medical device and diagnostic technologies can slow the growth of antimicrobial resistance (AMR) by reducing the risk of HAIs and helping to ensure that antimicrobials are properly prescribed to patients, supporting strengthened antimicrobial stewardship.
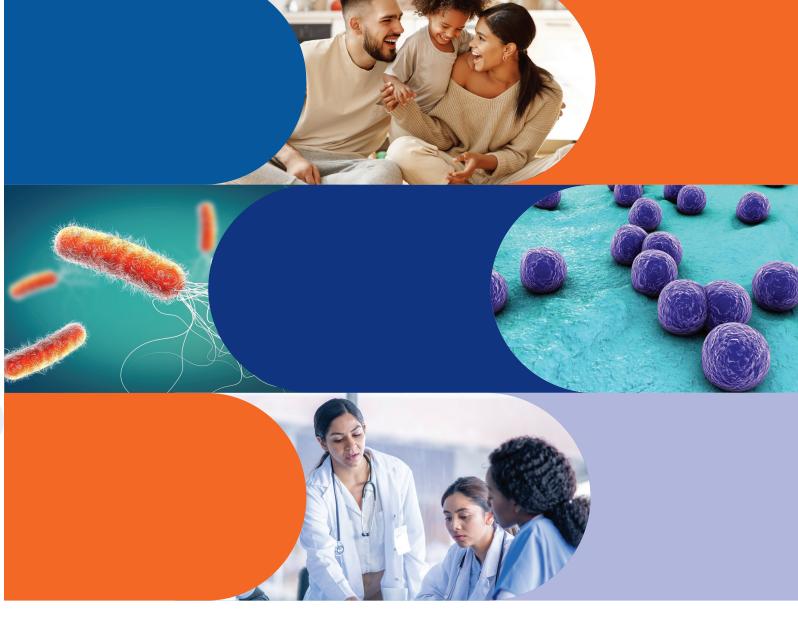
BD possesses important capabilities...

...that are instrumental in containing AMR. We offer a wide range of medical products utilized to prevent the spread of infection in healthcare facilities; diagnostic instruments to screen, test and diagnose infection, including drug-resistant strains; and medication management and surveillance systems to support the safe and proper administration and tracking of medications. We possess deep expertise in how these products and systems are utilized in support of a comprehensive and integrated approach to AMR management in healthcare facilities. And BD is highly experienced in partnering with health agencies, systems and facilities to improve healthcare processes and medical practice. Working together, we can advance the capabilities necessary to contain and combat AMR, reducing this threat to the health and well-being of the world's population.

Antimicrobial Resistance:
Our future depends on what we do today

Together... taking action against drug-resistant infections

Products and services not available in all countries.

bd.com

BD
Advancing the world of health™

BD solutions to combat antimicrobial resistance

BD
Advancing the world of health™

Support infection control guidelines

Systematic infection prevention and control practices and procedures reduce the incidence of healthcare-associated infections (HAIs) and the spread of antimicrobial-resistant organisms. Comprehensive product and service offerings from BD help clinicians improve patient outcomes through the standardization of care and adherence to best practices.

Integrated vascular access management

Reduce bacteria that can cause infections with appropriate preparation of the skin. Reduce vascular access complications with an integrated approach to the insertion and maintenance of the catheter.

- Clear single-use skin antiseptic applicators
- IV catheter solutions
- Prefilled IV flush syringes
- Antimicrobial IV dressings
- Needleless IV access connectors

ChloraPrep™ 1 mL Applicator

Central lines, stabilization and kits

BD Nexiva™ Closed IV Catheter System

BD PosiFlush™ Syringe

BD ChloraShield™ IV Dressing with CHG antimicrobial

MaxPlus™ Connectors and Sets

Standardized surgical preparation procedures

Reduce bacteria during presurgical skin preparation with products and services that enable a systematic, consistent and targeted surgical preparation approach.

- Tinted single-use skin antiseptic applicators
- Presurgical hair removal clippers
- Preoperative scrub brushes

ChloraPrep™ Patient Preoperative Skin Preparation

Surgical clippers

BD E-Z Scrub™ Products

Standardized procedures in critical care

Improve compliance and reduce variability with products and kits for critical care practice.

- Foley catheters and insertion trays
- External and nonindwelling catheters
- Catheter stabilization products

PureWick™ Female External Catheter

Foley catheters

Spirit™ Male External Catheters

SureStep™ Foley Tray System

StatLock™ Foley Stabilization Device

DigniShield™ Stool Management System

Expand diagnostic testing

Diagnostic tests classify infections and guide therapies, enabling clinicians to implement effective antimicrobial stewardship interventions. BD platforms provide diagnostic results to help rapidly respond to major drug-resistant threats highlighted by the World Health Organization and U.S. Centers for Disease Control and Prevention.

Sample acquisition

Improve sample quality and protect specimen integrity by properly acquiring and managing samples for testing.

- Urine specimen management
- Blood draw

BD Vacutainer® Complete Urine Collection Kits

BD Vacutainer® Luer-Lok™ Access Device

BD Vacutainer® UltraTouch™ Push Button Blood Collection Set

Accurate patient screening

Reduce the risk of HAIs by efficiently identifying patients colonized with resistant organisms.

- Automated molecular diagnostic systems
- Prepared plated media for isolation of selected organisms
- Automated preparation and screening for plated media

BD MAX™ System

BD BBL™ CHROMagar™ Media

BD Kiestra™ Automated Microbiology System

Rapid detection and identification of infectious agents

Guide therapy and prevent unnecessary antimicrobial use by identifying the cause of infection.

- Point-of-care diagnostic testing
- Identification systems
- Automated culture systems
- Laboratory automation with microbial imaging applications

BD Veritor™ System

BD Bruker MBT™ Smart CA System

BD BACTEC™ Blood Culture System

BD BBL™ Crystal™ Identification Systems

Precise susceptibility testing

Optimize the patient treatment plan by determining the specific antimicrobials that inhibit or kill particular bacteria.

- Automated susceptibility testing systems
- Antimicrobial susceptibility test discs
- Automated liquid culture and drug susceptibility testing for tuberculosis

BD Phoenix™ M50 Identification and Susceptibility System

BD BBL™ Sensi-Disc™ Susceptibility Test Discs

BD BACTEC™ MGIT™ Automated Mycobacterial Detection System

Advance medication management

A connected medication management system comprised of technologies, analytics and surveillance tools can help ensure that medications are available and utilized appropriately. When combined with an enterprise surveillance solution, health systems can identify infections, optimize processes for prevention and streamline antimicrobial stewardship programs with the goal of improving outcomes.

Enhanced infection surveillance and analytics

Empower health systems with surveillance and analytics support so they can identify and report infections, translate data into a tool for HAI management, and detect possible outbreaks and clusters of resistant organisms and other important pathogens.

- Near-real time infection identification and facilitation of intervention
- Emerging trends of isolate occurrence
- Risk-adjusted infection prevention and performance benchmarking

Streamlined antimicrobial use and resistance reporting

Help streamline hospital-wide antimicrobial stewardship and infection surveillance efforts through on-demand, standardized evaluation and reporting of antimicrobial use and resistance. BD MedMined™ Medication Stewardship Advisor helps expand and foster an integrated antimicrobial stewardship program for pharmacists, physicians, microbiologists and infection preventionists.

- Hospital-specific, regional and national comparative antimicrobial use and resistance reports
- Data analytics for AMR decision-making, including antibiograms and epidemiological trend analysis
- Trending, tracking and comparison of C. *difficile* rates

MedMined™ Medication Stewardship Advisor

Enterprise inventory optimization

Support patient care by providing facilities with visibility to their medications through a central view of inventory, orders and usage across the health system.

- Enterprise inventory management platform integrates with automated dispensing cabinets to help minimize the risk of stockouts and helps to ensure medications are available when needed
- Pharmacy operations dashboard combines critical data from BD technologies, including pharmacy surveillance notifications, into a single view to proactively respond to medication needs

BD Pyxis™ ES System

BD HealthSight™ Viewer

BD Pyxis™ Logistics