

ADDRESSING THE GLOBAL ANTIBACTERIAL RESISTANCE THREAT

Innovation to prepare for the future

CARB-X accelerates the early development of innovative products to prevent, diagnose and treat serious antibiotic-resistant bacterial infections and promote global health security.



Global Reach

92 projects funded in **12** countries since launch — **\$361M** in non-dilutive awards.



Innovative Pipeline

60 active projects:* **19** antibiotics with novel classes, **16** non-traditional therapeutics, **8** vaccines, **4** preventatives (CRISPR phage, microbiome, antibody), and **12** rapid diagnostics.



Progress of Projects

9 projects graduated from CARB-X portfolio: **2** secured regulatory approvals, **1** in New Drug Application stage, **1** in Phase 2, and **2** awarded Advanced R&D contracts with BARDA. CARB-X has supported **9** projects through IND or IND-equivalent approvals, and **10** projects in Phase 1, of which **8** included First-in-Human activities.



Funding Rounds

8 funding rounds. **1163** applications reviewed from **39** different countries.



Portfolio Vision & Strategy

CARB-X supports the world's largest, most scientifically diverse antibacterial portfolio and selects projects aligned with an integrated strategy focused on the most serious bacterial threats.



Expert Wraparound Support

CARB-X delivers expert support to product developers through its R&D team, global network of **7** accelerators and more than **120** subject matter experts around the world.



Bacteria Ignore Borders

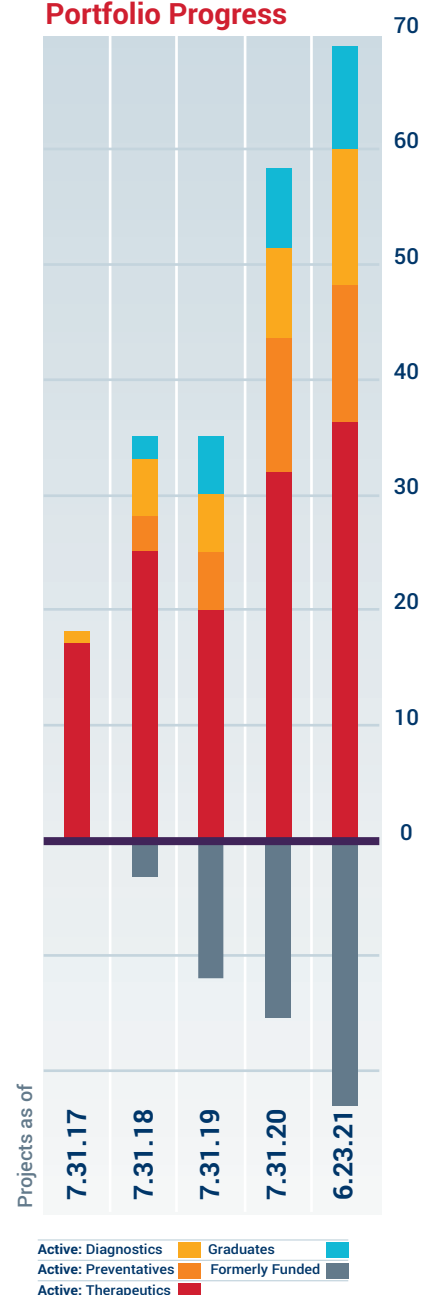
CARB-X funds diverse projects including many focused on health challenges in low- and middle-income countries.



Stewardship & Access

Each CARB-X-funded project is governed by stewardship and access policies to ensure that, if approved, it is used responsibly and is made accessible to patients who need it.

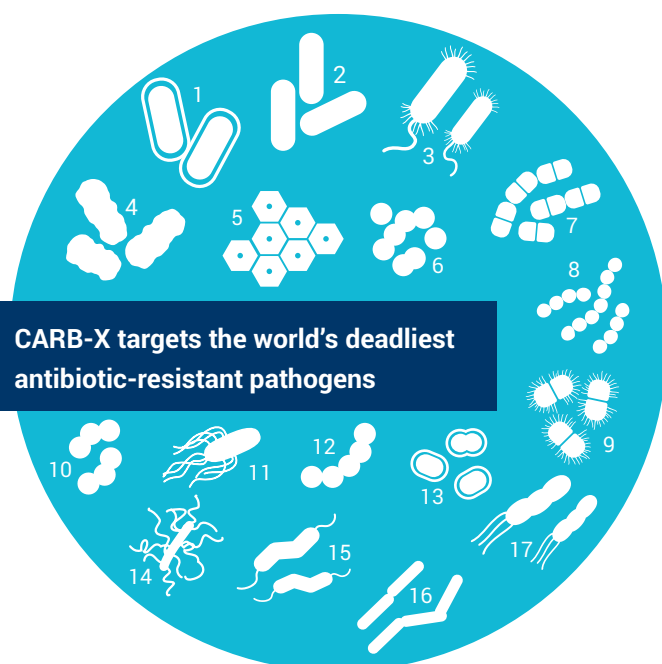
CARB-X 5-year Portfolio Progress



Global leader in accelerating antibacterial innovation

The CARB-X Advantage

- Focus on the most serious bacteria in the world
- Select the most promising innovations from around the world to advance the best science
- Provide funding and access to global expert networks to solve specific and cross-portfolio problems and accelerate products towards patients
- Coordinate with other key stakeholders to maximize impact

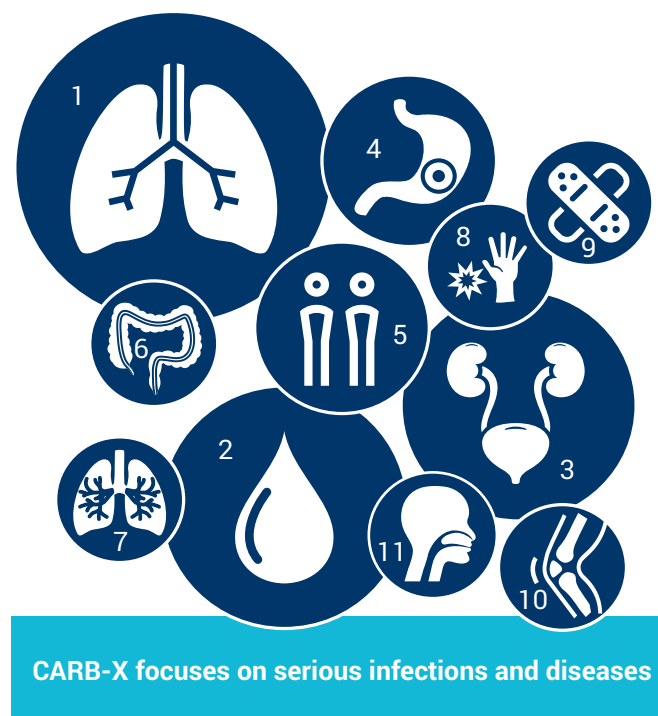


Numbers in () indicate the number of projects* that focus on the pathogen. Some projects focus on more than one pathogen

1. *K. pneumoniae* (37) 2. *E. coli* (35) 3. *P. aeruginosa* (28) 4. *E. cloacae* (28)
5. *A. baumannii* (23) 6. *S. aureus* (20) 7. *E. faecium* (16) 8. *S. pneumoniae* (14)
9. *N. gonorrhoeae* (7) 10. *S. pyogenes* (group A) (4) 11. *Salmonella* sp (4)
12. *S. agalactiae* (group B) (2) 13. *H. influenzae* (2) 14. *C. difficile* (1)
15. *Campylobacter* sp (1) 16. *Shigella* sp (1) 17. *H. pylori* (1)

Trusted Partnership

CARB-X is a non-profit public-private partnership, led by Boston University and dedicated to revitalizing the world's early development antibacterial pipeline. CARB-X funders are investing up to \$480 million from 2016-2022 to support the development of innovative therapeutics, preventatives and rapid diagnostics



Numbers in () indicate number of projects* targeting indication

1. **LRTI**: lower respiratory tract infections eg pneumonia (25)
2. **BSI**: bloodstream infections (sepsis) (19)
3. **cUTI**: urinary tract infections (18)
4. **cIAI**: intra-abdominal infections (8)
5. **STI**: sexually transmitted infections (gonorrhea +/- chlamydia) (7)
6. **GI**: intestinal microbiome modifying (transplant, cancer, *C. difficile* infection patients) (5)
7. **CF**: cystic fibrosis (5)
8. **ABSSSI**: serious skin infections (4)
9. **Wounds**: wound infections - surgery (4)
10. **PJI**: prosthetic joint infections (4)
11. **URTI**: upper respiratory tract infections (3)



CARB-X
Combating Antibiotic-Resistant Bacteria

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* As of June 23, 2021

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