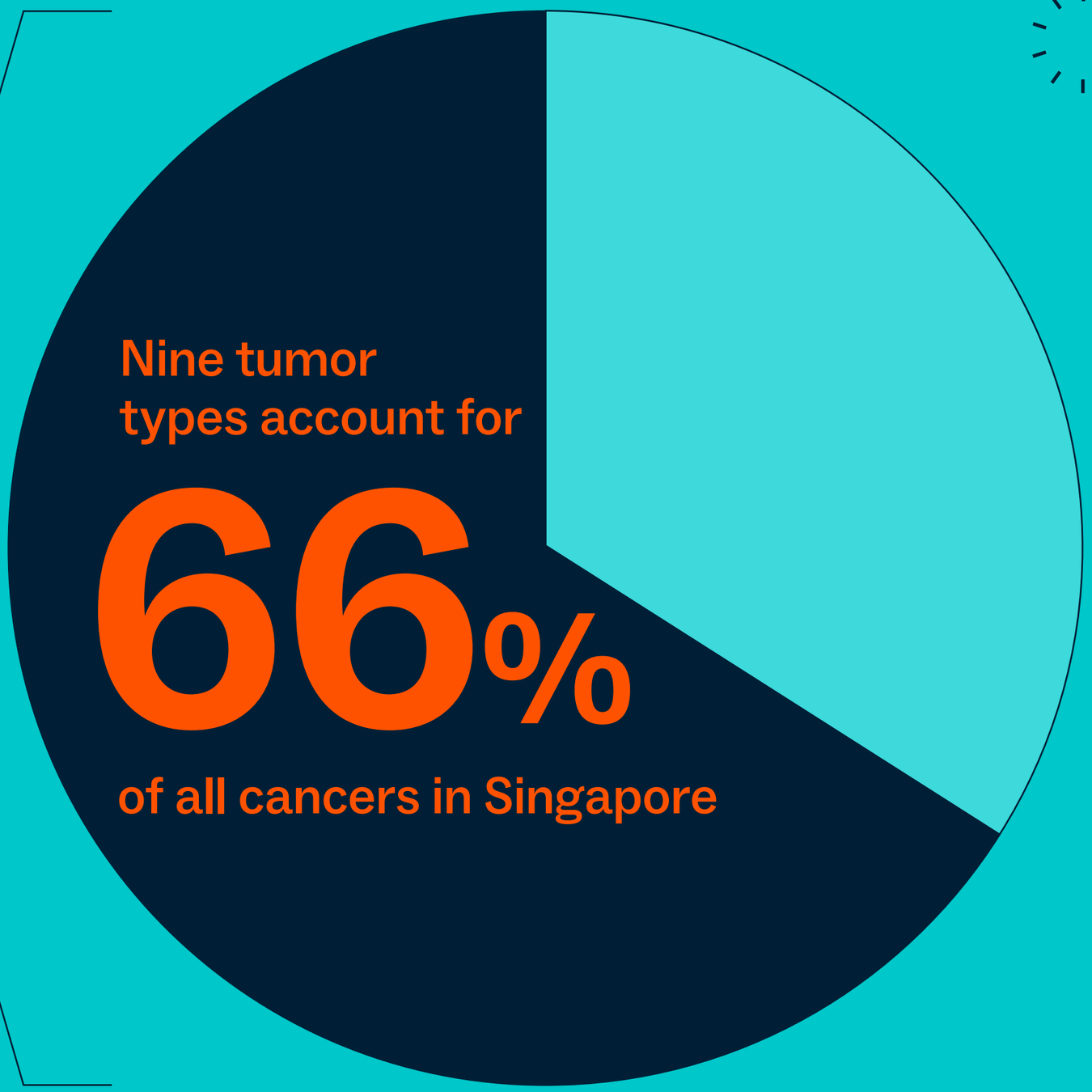
mirxes

TO KNOW. TO ACT.

CADENCE USHERS CHANGE FOR CANCER DETECTION

MiRXES and partners are embarking on Project CADENCE (**CA**ncer **D**etected **E**arly ca**N** be **C**ur**E**d) to innovate a multi-cancer screening test (MCST) to detect tumors early and help save lives.

Lung
Breast
Colorectal
Liver
Stomach
Esophageal
Ovarian
Pancreatic
Prostate

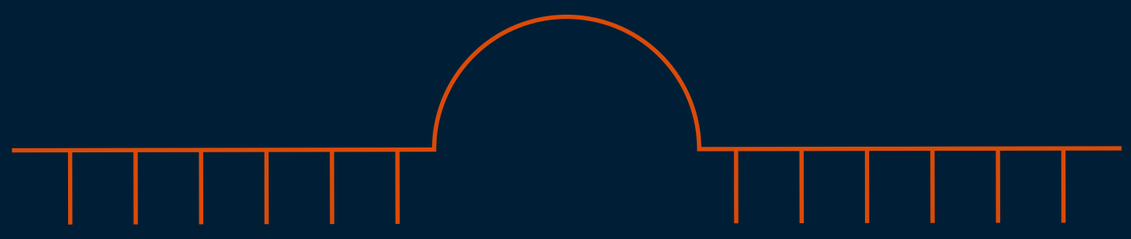


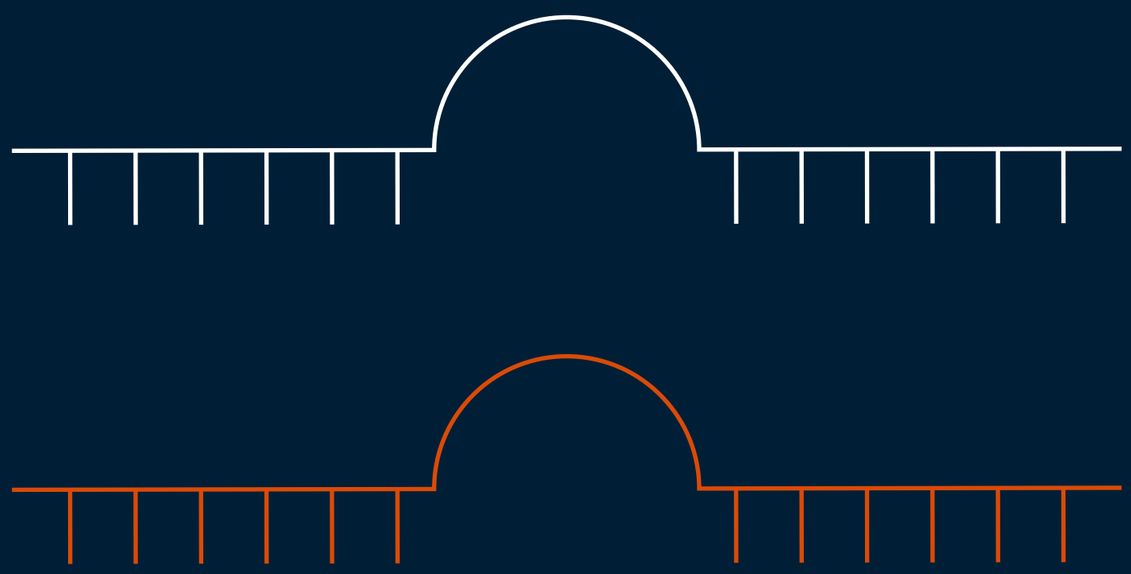
Early detection, early intervention

Cancer cases have been rising steadily, with mortality especially high when diagnosis comes late. To enable early detection, MiRXES will develop a blood-based MCST for the top nine cancers in Singapore.

MicroRNA (miRNA) matters

As regulators of gene function, miRNA levels can be early warning signs for cancer. MiRXES will leverage our expertise in miRNA, discovery platform and validation protocols to hunt for these disease markers.



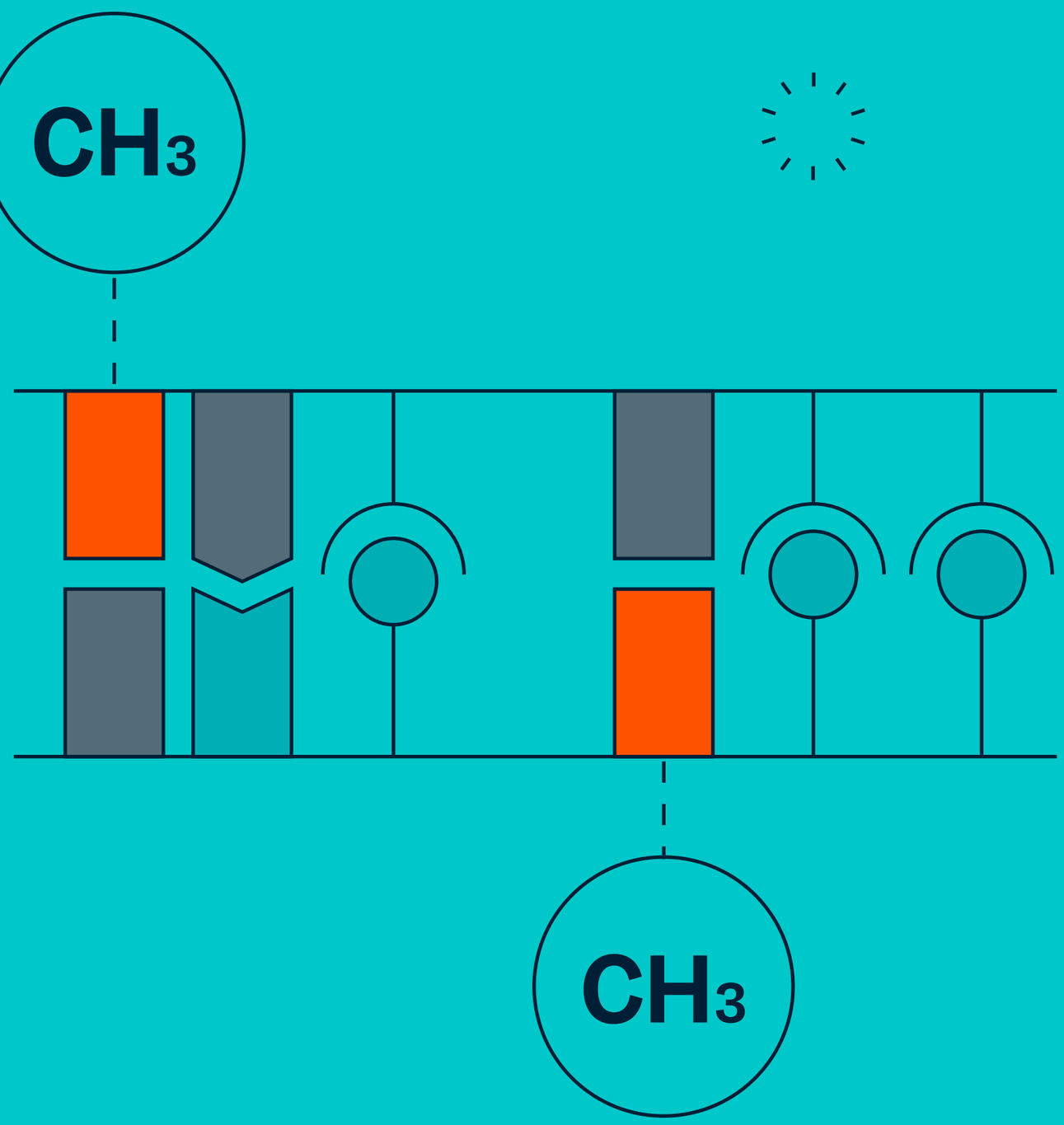


High Sensitivity

A methylation addition

Another mechanism is DNA methylation, where methyl chemicals are attached to certain DNA segments and regulate their expression. Altered methylation patterns can be an indicator for tumor progression.

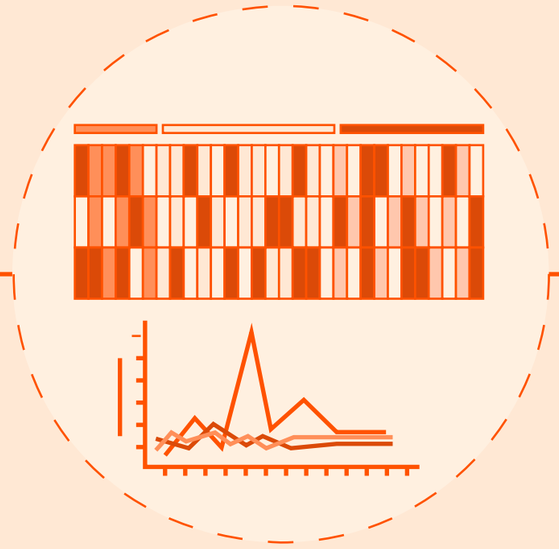
High Specificity



2022

Discovery and Profiling

Biomarker Selection and Verification

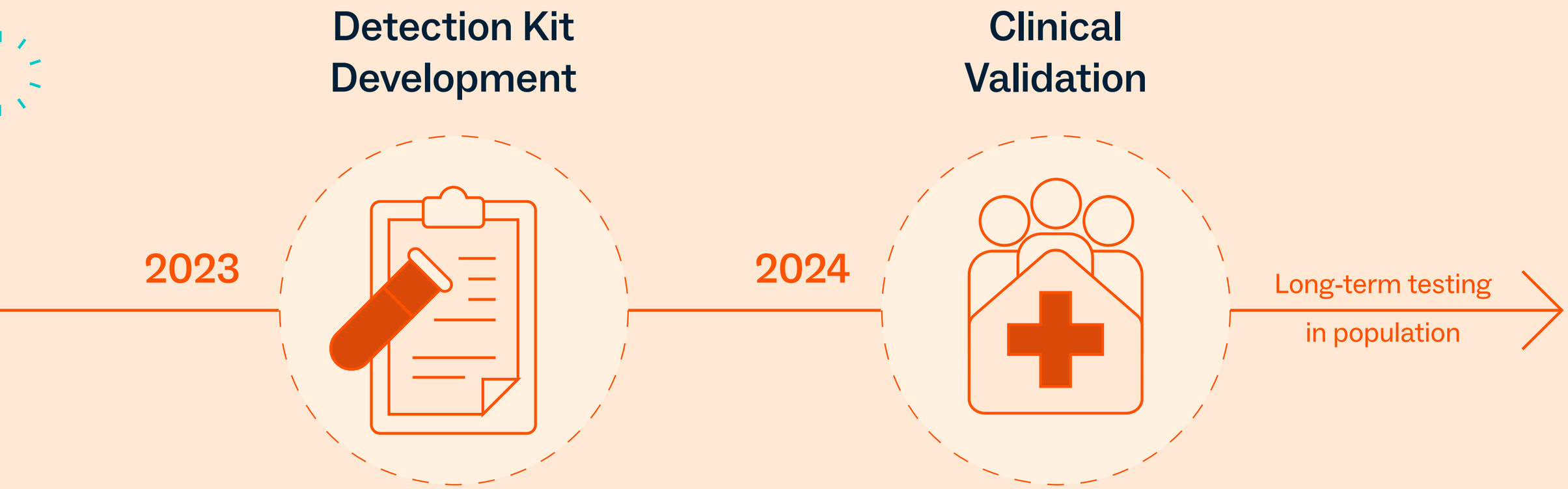


>10,000

total participants

Mapping multiple markers

CADENCE will profile thousands of patients, at-risk groups and healthy individuals to identify markers of each cancer type. Both miRNA and methylation will be combined to achieve optimal detection performance.



SGD 50 million

in funding

Translating knowledge into action

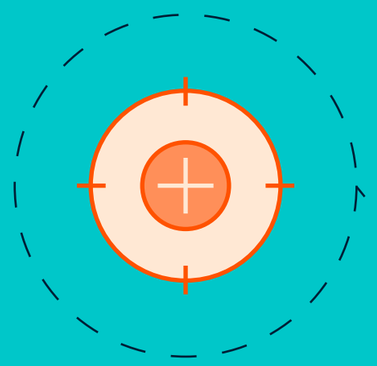
With an arsenal of advanced genetic technologies and data analytics, the team will then build and validate a screening kit based on the best possible combination of markers for multiple cancers.

Shifting the stage to save lives

By screening for multiple cancers in a single blood test, CADENCE can fuel a molecular-powered and data-driven approach to cancer detection that is timely, accessible and more reliable than existing methods.

Diagnosis at earlier stages

Cost-effective and non-invasive



High performance

Collaboratingn for cancer healthcare

Having launched our research and clinical diagnostics labs, MiRXES is collaborating with academic and medical experts to support early disease interception, reduce cancer burden and usher in an era of preventive healthcare.