ROAD MAP OF A CLINICAL TRIAL

Research conducted to:
✓ Improve 'drug'-like properties
✓ Test benefits and safety
✓ Test best route for drug or treatment
✓ Test interactions with other drugs
✓ Determine dosages
✓ Determine potential adverse side effects
✓ Determine effectiveness compared to similar drugs or treatment

Once safety is determined, the drugs or therapies move into the first phase of a clinical trial

Phase I: Assess human safety; tested on a small sample of people to determine the body's reaction and safe dose ranges
○ Days – Weeks ○ 76% Success Rate*

Phase II: Determine the efficiency of the drug or treatment. It is tested on a bigger sample of people; Safety continues to be evaluated.
○ Weeks – Months ○ 50% Success Rate*

Phase III: This phase validates the effectiveness, the benefits and possible side effects on a larger sample
○ Several Years ○ 73% Success Rate*

* TOTAL SUCCESS RATE* = (0.76 x 0.5 x 0.73 x 0.89 = 0.25) = 25%

Pre-Clinical Research
Before testing can begin on humans, researchers must determine the safety of the drug or treatment. There are two types of preclinical research: In vitro and In vivo

To find out more visit cysticfibrosis.ca/clinicaltrials