Researchers discover new drugs through...

Existing treatments
Technology
New insights
Tests

Researchers conduct experiments to gather information...
Potential benefits
The best dosage
Side effects
The best way to give the drug or therapy

Researchers conduct experiments to gather information...
Isolate cell/tissue outside living organism
Test drug on living organism
Investigative new drug application (FDA reviews)
Reports of problems (can take years)

The number of clinical trials going on at any given moment at City of Hope

Clinical trials are conducted in four different phases with each phase serving a specific purpose to researchers.

**PHASE 1**
Assess the safety of a new drug.
- Test drug on small group of people (20 to 80)
- Evaluate how the body handles the drug
- Safe dosage ranges
- Record side effects

**PHASE 2**
Test drug on larger group (100 to 300)
- The drug or treatment is given to a larger group (100 to 300)
- Determine effectiveness
- Continue to evaluate safety

**PHASE 3**
This phase helps confirm the effectiveness of the drug, gauge side effects and gather information so the drug or treatment can be used safely.
- Hundreds or even thousands (300–3,000) of people may receive a new drug or treatment and be followed for several years.

**PHASE 4**
Researchers gather additional safety information on an even larger group of people.
- Gather data on long-term effectiveness and affect on quality of life.
- Evaluated for cost and against other similar drugs.
- Receives FDA approval and is widely marketed.

**HOW DO I FIND OUT MORE ABOUT CLINICAL TRIALS AT CITY OF HOPE?**
You may search through our active clinical trials online. To speak with one of our care professionals about treatment at City of Hope, contact our New Patient Services online or call us at 626-218-1133.