

```
[et_pb_section bb_built="1" fullwidth="on"
_builder_version="3.0.47"]
[et_pb_fullwidth_header
background_overlay_color="rgba(245,241,227,0)" module_class="gradient-overlay"
_builder_version="3.0.62" background_color="#f5f1e3"
background_image="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/child-
cf-wide.jpeg" custom_css_main_element="padding: 120px 0px;||background-position: center
15%;"
background_url="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/AdobeSt
ock_112123671_Preview.jpeg" text_orientation="left" header_fullscreen="off"
header_scroll_down="off" image_orientation="center" background_layout="light"
content_orientation="center" custom_button_one="off" button_one_letter_spacing="0"
button_one_icon_placement="right" button_one_letter_spacing_hover="0"
custom_button_two="off" button_two_letter_spacing="0"
button_two_icon_placement="right" button_two_letter_spacing_hover="0"
/][et_pb_section][et_pb_section bb_built="1" custom_padding="25px||" specialty="on"
parallax_method_1="off" parallax_method_2="off" background_color_2="#f5f1e3"
background_position_1="top_left" background_position_2="top_left"
background_repeat_1="no-repeat" background_repeat_2="no-repeat"
padding_top_2="20px" padding_right_2="20px" padding_bottom_2="0px"
padding_left_2="20px" module_class_2="sidebar" _builder_version="3.0.62"]
[et_pb_column
type="3_4" specialty_columns="3"]
[et_pb_row_inner admin_label="Row"
_builder_version="3.0.47"]
[et_pb_column_inner type="4_4"
saved_specialty_column_type="3_4"]
[et_pb_text admin_label="About Cystic Fibrosis
Heading" _builder_version="3.0.62" custom_padding="||10px|"]
```

About Cystic Fibrosis

```
[/et_pb_text][et_pb_text admin_label="What is Cystic Fibrosis?" _builder_version="3.0.47"
background_size="initial" background_position="top_left" background_repeat="repeat"]
```

What is Cystic Fibrosis?

Cystic fibrosis is a genetic disease that affects over 70,000 people worldwide.

In people with CF, a defective gene causes a thick, buildup of mucus in the lungs, pancreas, and other organs. In the lungs, the mucus clogs the airways and traps bacteria leading to infections, extensive lung damage, and eventually, respiratory failure. In the pancreas, the

mucus prevents the release of digestive enzymes that allow the body to break down food and absorb vital nutrients.

[/et_pb_text][et_pb_column_inner][et_pb_row_inner][et_pb_row_inner admin_label="Row" _builder_version="3.0.47"][et_pb_column_inner type="4_4" saved_specialty_column_type="3_4"][et_pb_text admin_label="Symptoms of CF" _builder_version="3.0.62" background_size="initial" background_position="top_left" background_repeat="repeat" background_layout="light" text_orientation="left" border_style="solid"]

Symptoms of CF

People with CF can have a variety of symptoms, including:

- Very salty-tasting skin
- Persistent coughing, at times with phlegm
- Frequent lung infections including pneumonia or bronchitis
- Wheezing or shortness of breath
- Poor growth or weight gain
- Frequent greasy, bulky stools or difficulty with bowel movements
- Male infertility

[/et_pb_text][et_pb_column_inner][et_pb_row_inner][et_pb_row_inner admin_label="Row" _builder_version="3.0.47"][et_pb_column_inner type="4_4" saved_specialty_column_type="3_4"][et_pb_text admin_label="Diagnosis and Genetics" _builder_version="3.0.62" background_size="initial" background_position="top_left" background_repeat="repeat" background_layout="light" text_orientation="left" border_style="solid"]

Diagnosis and Genetics

Cystic fibrosis is a [genetic disease](#). People with CF have inherited two copies of the defective CF gene — one copy from each parent.

People with only one copy of the defective CF gene are called carriers, but they do not have the disease. Each time two CF carriers have a child, the chances are:

- 25 percent (1 in 4) the child will have CF

- 50 percent (1 in 2) the child will be a carrier but will not have CF
- 25 percent (1 in 4) the child will not be a carrier and will not have CF

The defective CF gene contains an abnormality called a [mutation](#). There are more than 2000 known mutations of the disease. Most genetic tests only screen for the most common CF mutations. [Read more about diagnosis.](#)

According to the Cystic Fibrosis Foundation Patient Registry, in the United States:

- More than 30,000 people are living with cystic fibrosis (more than 70,000 worldwide).
- Approximately 1,000 new cases of CF are diagnosed each year.
- More than 75 percent of people with CF are diagnosed by age 2.
- More than half of the CF population is age 18 or older.

[/et_pb_text][et_pb_column_inner][et_pb_row_inner][et_pb_column][et_pb_column type="1_4"][et_pb_text_builder_version="3.0.62"]

[See the latest research into Cystic Fibrosis](#)

[/et_pb_text][et_pb_image src="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/logo.jpg" url="http://www.cysticfibrosisjournal.com/" animation="off" _builder_version="3.0.62" /][et_pb_text_builder_version="3.0.62" custom_margin="40px|"]

[Search all literatue](#)

[/et_pb_text][et_pb_image src="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/pubmed_logo.png" url="https://www.ncbi.nlm.nih.gov/pubmed/" animation="off" _builder_version="3.0.62" show_in_lightbox="off" url_new_window="off" use_overlay="off" sticky="off" align="left" always_center_on_mobile="on" border_style="solid" force_fullwidth="off" /][et_pb_text_builder_version="3.0.62" custom_margin="40px|"]

[Find clinical trials United States](#)

[/et_pb_text][et_pb_image src="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/clinical-trials-gov-square.png" url="https://clinicaltrials.gov/ct2/home" animation="off"]

_builder_version="3.0.62" show_in_lightbox="off" url_new_window="off" use_overlay="off" sticky="off" align="left" always_center_on_mobile="on" border_style="solid" force_fullwidth="off" /][et_pb_text _builder_version="3.0.62" custom_margin="40px|"]

[Find clinical trials EU](#)

[/et_pb_text][et_pb_image src="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/European_Medicines_Agency-white-bg.jpg" url="https://www.clinicaltrialsregister.eu/ctr-search/search" animation="off" _builder_version="3.0.62" show_in_lightbox="off" url_new_window="off" use_overlay="off" sticky="off" align="left" always_center_on_mobile="on" border_style="solid" force_fullwidth="off" /][et_pb_text _builder_version="3.0.62" custom_margin="40px|"]

[WHO International Clinical Trials Registry](#)

[/et_pb_text][et_pb_image src="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/ICTRP_logo.jpg" url="http://apps.who.int/trialsearch/default.aspx" animation="off" _builder_version="3.0.62" show_in_lightbox="off" url_new_window="off" use_overlay="off" sticky="off" align="left" always_center_on_mobile="on" border_style="solid" force_fullwidth="off" /][et_pb_text _builder_version="3.0.62" custom_margin="40px|"] background_layout="light" text_orientation="left" border_style="solid"]

[Australian New Zealand Clinical Trials Registry](#)

[/et_pb_text][et_pb_image src="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/anzctr.jpg" url="http://www.anzctr.org.au/BasicSearch.aspx" animation="off" _builder_version="3.0.62" show_in_lightbox="off" url_new_window="off" use_overlay="off" sticky="off" align="left" always_center_on_mobile="on" border_style="solid" force_fullwidth="off" /][et_pb_button button_url="/volunteer-opportunities/" button_text="Make a Difference" button_alignment="center" background_layout="dark" _builder_version="3.0.62" custom_button="on" button_bg_color="#63ccca" button_border_color="#63ccca" button_border_radius="0" button_icon="%%141%%" button_icon_color="#ffffff" custom_css_main_element="width: 120%;|margin-left: -10%;|margin-top: 30px;" saved_tabs="all" background_color="#b4c5e4" /][et_pb_column][et_pb_section][et_pb_section bb_built="1" background_color="#0074bc" _builder_version="3.0.47"] [et_pb_row _builder_version="3.0.47" background_size="initial"

```
background_position="top_left" background_repeat="repeat" ][et_pb_column
type="4_4" ][et_pb_blurb admin_label="DNA Icon"
image="http://www.flatleydiscoverylab.com/wp-content/uploads/2017/05/DNA.png"
max_width="100px" _builder_version="3.0.47" background_size="initial"
background_position="top_left" background_repeat="repeat" /][et_pb_cta
admin_label="Learn More About CF" title="Learn More About CF"
button_url="https://www.cff.org/What-is-CF/About-Cystic-Fibrosis/" button_text="Keep
Reading" use_background_color="off" _builder_version="3.0.62" background_size="initial"
background_position="top_left" background_repeat="repeat" custom_button="on"
button_text_color="#ffffff" button_bg_color="#63ccca" button_border_color="#63ccca"]
```

Learn more about cystic fibrosis and the various treatment options.

```
[/et_pb_cta][[/et_pb_column][[/et_pb_row][[/et_pb_section]
```