

The BRIDGE Pain Study

Status: RECRUITING

Eligibility Criteria

Sex: ALL

Age: 14 years to 26 years old

Healthy Volunteers: This study is NOT accepting healthy volunteers

Inclusion Criteria:

- Diagnosis of rheumatic/autoimmune disease/pain condition or surgery prior to age 18; Current age 14 to 26 years; Participant (and parent/legal guardian of participants < 18 yo) can read and write in English; At least 1 year from diagnosis of pain or rheumatic disease; For individuals with MSK surgical history, at least 1 year after initial surgical intervention; For individuals with rheumatic disease, their disease must be considered inactive

Exclusion Criteria:

- They have active disease, or Other major medical comorbidities have developed after surgery following MSK surgical intervention.

Conditions & Interventions

Interventions:

OTHER: Not applicable- observational study

Conditions:

Juvenile Idiopathic Arthritis (JIA), Fibromyalgia, Lupus, Scoliosis, Pectus Excavatum, Chronic Pain, Musculoskeletal Pain

More Information

Description:

The purpose of the study is to discover at least two distinct Musculoskeletal pain subtypes. These types are caused by different brain-and-immune system signals that affect how the body feels pain, and they are also shaped by a person's biology, psychology, and social environment. Aim 1. We want to sort adolescents and young adults with long lasting muscle and bone pain into two different groups. To do this, we will look at participants' childhood medical histories, past treatments, when their pain started, the sex they were assigned at birth, what their pain feels like now, tests of how their body senses pain, and immune system markers found in their blood. We think we will find at least two different types of chronic pain groups, plus one group of patients who had a higher risk for pain (because of a rheumatic disease or past surgery) but never developed long term pain. Aim 2. We want to find out if certain patterns of inflammation in the body change how nerve cells react to pain. Aim 3: We want to understand how different biological, psychological, and social factors are connected to the chronic pain groups we identified. We think we will find certain mental, behavioral, and social risks-as well as protective factors-that help explain why some people develop long-lasting pain and others do not. We expect these factors to play different roles in each pain group, including the group that does not develop chronic pain.

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Principal Investigator:

Principal Investigator ID:

Phase:

IRB Number:

System ID: NCT07602595

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