Your job is to identify certain specific types of tokens (words) in the given text **with respect to a given context**. The text is extracted from social media and contains information about peoples' experiences under a number of different health conditions (diabetes, cystic fibrosis, gout, IBS, lupus etc).

When describing their experiences people often mention the condition itself or some characterstics of "who" they're talking about (**populations**; e.g. diabetic, children, female etc), medically relevant **interventions** that they've tried (these could be pharamacological drugs they've been prescribed, physical surgery etc), and effects of *conditions or interventions* on themselves (or others) including side effects (adverse drug reactions), mental or behavioral impacts, non-health effects (collectively known as **outcomes**).

If a given post doesn't contain any relevant PIO entities **for the given context** ("Marked Claim"), you can simply select `No entities to label` and move on to the next document. If an entity (P, I or O) appears appears more than once, **mark any one occurrence of that entity with the relevant tag**. There are a number of examples down below to help you understand the nature of these annotations, rationales behind annotating certain words in a certain way, and what we ideally expect from you.

In summary, your task is:

1. **Read** the text carefully.
2. **Highlight** *medically relevant* words in the text which correspond to claim, personal experiences, and questions.
3. **Choose** the entity that best matches what you have highlighted (**using shortcuts can help speed things up as your go**).
4. To **change** a label, choose highlighted text and select a new label.
5. To **remove** a label from highlighted text, choose the X next to the abbreviated label name on the highlighted text.
6. **Note:** If there are more than one instances of a relevant entity, marking any one would suffice.

You may select "No entities to label" in cases where there are no *medically* relevant words to be marked **or** you believe that the given post is incomplete in any way (text is abruptly ended, missing image, etc). These posts will be verified across different workers so only this option sparingly.

Examples:

1. **Text:** Global spread of autoimmune disease blamed on western diet

   Topic: Lupus

   Marked Claim: Global spread of autoimmune disease blamed on western diet (*entire text is marked as claim*)

   Rationales: We have the following elements highlighted in the given post:
   - **Interventions**
       1. "western diet" -- dietery finding as an intervention (leading to an *outcome*)
   - **Outcome(s)**
       1. "autoimmune disease" -- condition associated with the marked intervention **in the claim**

2. **Text:** Lets talk about muscle relaxants
   If you've been prescribed muscle relaxants such as say methocarbomol, metaxalone (example), does it actually help you with spasm, tightness, feeling like a brick etc? How long you been taking it before it stopped working? Do you exercise when on relaxants? What is the plus side and minus? Such as say *I hear it makes people sleepy especially strong ones* ... I had been prescribed only one in my lifetime and it made

me feel like a jello and I am no jello so stopped taking it(not abruptly, I just told my doctor i am no jello).
EDIT: I read all your comments. I'll talk to my doctor. It seems like it's worth giving them a shot again.
Perhaps something else than what I was prescribed before? Something better. There are so many relaxants.
Thank you so much for your input. :)

Topic: Ankylosing Spondylitis

Marked Claim: I hear it makes people sleepy especially strong ones

Rationales: We have the following elements highlighted in the given post:
- **Interventions**
  1. "methocarbomol" -- pharamacological drug associated with the marked claim
  2. "metaxalone" -- pharamacological drug associated with the marked claim
- **Outcome(s)**
  1. "spasm" -- physical condition associated with the marked claim
  2. "tightness" -- physical condition associated with the marked claim

3. **Text:** Scared of taking antidepressants, any advice?
I've been given the option to take antidepressants again. I've tried 3 SSRI's throughout my life, first one really helped but caused hair loss, next one made my hands twitchy (now suspected to be linked to epilepsy) and the last one made me have my first tonic-clonic! Sooo in short, my body really doesn't like SSRIs (bit inconvenient when you're chronically depressed ngl). *I saw a new psychiatrist a few weeks ago who mentioned that there are antidepressants that don't lower the seizure threshold*. Thing is, I would love to take something, ANYTHING that could help but I am also terrified of the whole "what if I have another one?". My seizures are controlled with meds now so maybe that would also reduce the risk of it happening again...? idk. Anyone else had issues with antidepressants? if so, did you find something else that helped? I'm trying to way up my options here, so any advice would be greatly appreciated xx

Topic: Epilepsy

Marked Claim: I saw a new psychiatrist a few weeks ago who mentioned that there are antidepressants that don't lower the seizure threshold.

Rationales: We have the following elements highlighted in the given post:
- **Population(s)**
  1. "epilepsy" -- population of people (often matches the *topic*) associated with the marked claim
  2. "depressed" -- person is talking about themselves i.e. part of the population being discussed, not an outcome
- **Intervention(s)**
  1. "antidepressants" -- intervention being mentioned in the marked claim
- **Outcome(s)**
  1. "seizure" -- outcome associated with the intervention that is mentioned in the marked claim

4. **Text:** should i take pantoprazole 40mg for 2 months for bloating and stomach acid or should i take rolaids antacid?
Doctor prescribed me 40mg tablets for 2 months for my bloating and stomach acid whcih causes my panic attacks *however after doing some research the pantoprazole drug it seems to be more for the severe symptoms in which i dont think i have*(only bloating and acid reflux) and also has more severe side effects that can also trigger my panic attacks (nausea). I also think that the drug could potentially do more harm than good. So i bought some Rolaids from amazon and was wondering what i should take, Rolai

Topic: GERD, Acid Reflux and Heartburn

Marked Claim: however after doing some research the pantoprazole drug it seems to be more for the severe symptoms in which i dont think i have

Rationales: We have the following elements highlighted in the given post:
- **Intervention(s)**
    1. "pantoprazole" -- intervention being mentioned in the marked claim
- **Outcome(s)**
    1. "bloating" -- outcome associated with the intervention that is mentioned in the marked claim
    2. "stomach acid" -- outcome associated with the intervention that is mentioned in the marked claim
    3. "panic attacks" -- outcome associated with the intervention that is mentioned in the marked claim
    4. "nausea" -- outcome associated with the intervention that is mentioned in the marked claim

5. **Text:** 18mg Strattera working immediately?
I just got prescribed 18mg Strattera. I was on 10mg before and it worked very subtly and then eventually stopped working as well. *I've heard it takes a few weeks to kick in, and also I know it is not a stimulant*, but right now I am feeling very similar to how I've felt after I've taken Adderall. My head feels a lot clearer and I feel more awake. Is this a placebo? I'm not really complaining, just a bit confused since I haven't heard of anyone feeling like this on Strattera.

Topic: ADHD

Marked Claim: I've heard it takes a few weeks to kick in, and also I know it is not a stimulant

Rationales: We have the following elements highlighted in the given post:
- **Intervention(s)**
    1. "Strattera" -- intervention from the snippet that is being mentioned in the marked claim
- **Outcome(s)**
    1. "awake" -- outcome associated with the intervention that the marked claim talks about (implicitely)

6. **Text:** Something that worked for me
Magnesium supplements have helped me! *Worth a shot if you are struggling*!

Topic: Gastroparesis

Marked Claim: Worth a shot if you are struggling!

Rationales: We have the following elements highlighted in the given post:
- **Intervention(s)**
    1. "Magnesium supplements" -- intervention from the snippet that is being mentioned in the marked claim (*that's what worked for the author*)

7. **Text:** Covid may raise the risk of diabetes in children, C.D.C. researchers reported.

   Topic: Diabetes

   Marked Claim: I saw a new psychiatrist a few weeks ago who mentioned that there are antidepressants that don't lower the seizure threshold.

   Rationales: We have the following elements highlighted in the given post:
   - **Population(s)**
       1. "Covid" -- population of people associated with the marked claim
   - **Outcome(s)**
       1. "diabetes" -- outcome associated with the given population ("covid") that is mentioned in the marked claim