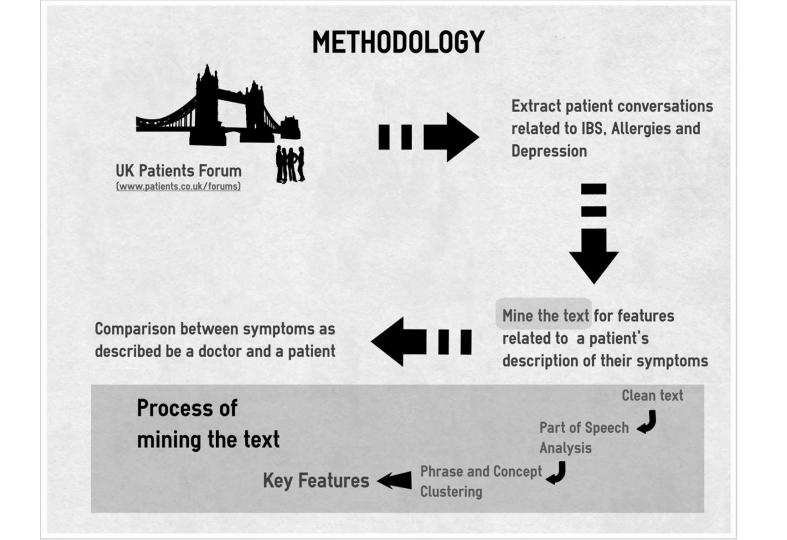
# **Symptom Communication**

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## Goal

Explore lexical differences between patients and providers for describing symptoms.

- what languages and vocabularies people use
- patient to patient vs patient to doctor



## **Medical Ontology for Allergy Symptoms**

skin and integumentary tissue symptom itching rash ankle rash blotchy red rash diffuse rash exanthema maculopapular rash papular rash purpuric rash respiratory system and chest symptom congestion nasal congestion respiratory abnormality wheezing sneezing

HELP	GET	SYMPTOMS
feed	a weird tingly a dry mouth	Itchy eyes and skin
a bit	a sense diarrhoea	Nasal Congestion
combat	headache	hasat congestion
Alle	rgies	Rash
muzzy	dandelion	
the skin	chinese food	Sneezing
gas the problem	mustard	oncezing
a blister	a big meal	
the difference	a bit	Wheezing
the allergy building	chocolate	
FEEL	pistacios EAT	

### FELT

angry, heartbroken, horrible, worse, GP about the depression, afraid, anxiety attack, ashamed, bit mad, can't stop, cat killer, drugs, fault, guilty, hearing voices, worthless, instability, lot of paranoia, pain, poor mental state, stupidity, special person, sexual abuse, tears

#### TRIED

life, suicide, depression, doctor day and night, heartbroken, therapy, Collegues, Counselling, FB friend, drug alcohol suicide bid, anxiety, arms, can't stop, citalopram and amitrityline, courage, depressants, elves, fatigue, different tablets, energy motivation, family, hard work but, hypnotherapy

### Depression

time, life, better, depression, house, suicidal thoughts, Citalopram, anxiety levels, complete zombie, Sorry msge. antidepressants, death, deleting Facebook comments, contact with friends,counselling, heart, medication, panic attacks, possesive, real real bad problem,

**STARTED** 

life, burden, family, aware, longer, knowledge, friend, girl, birthday, black days, children but, clear, insight into PTSD, kids, killing, numb, loyalty and sense, patronising, positive, relapse, relationships, responsibility, scapegoat, sort of support, strength, tattoos, therapist, woo

#### WANTED

### SYMPTOMS

Recurrent thoughts of death or suicide

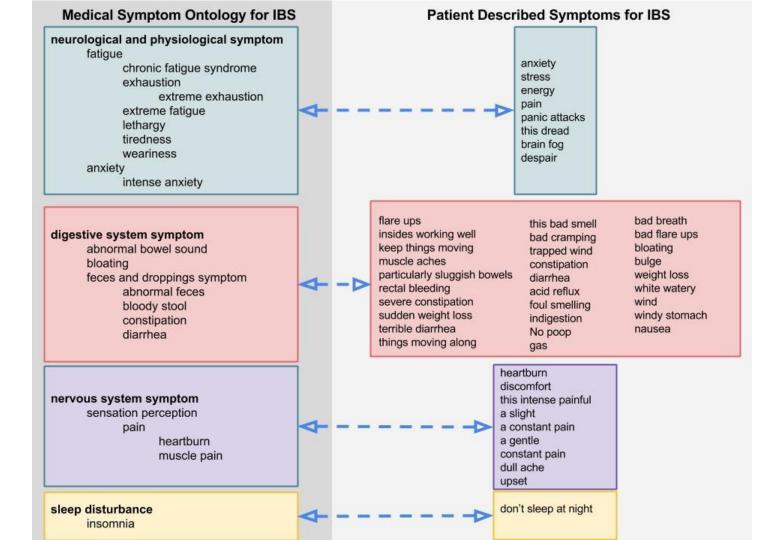
Diminished ability to concentrate or make decisions

Feelings of worthlessness or excessive guilt

Fatigue or loss of energy

Depressed mood most of the day, everyday

Difficulty sleeping



## **IBS Interesting Terms**

fell swoop genetically modified ruptured ectopic ant acids jewel coloured vicious circle ectopic pregnancy Candida Defence Total Candida rib cage NICE Guidelines hiatus hernia cider vinegar Irritable Bowel Moderator comment Bowel Syndrome Aloe Vera anti depressants ice cream brain fog aloe vera psyllium husks

thyroid diseasedermatitis herpetiformisirritable autoimmune thyroid diseasedermatitis diabetesother autoimmune thyroid Total Candida Defence ruptured ectopic pregnancy Irritable Bowel Syndrome Messaging system requesting diseasedermatitis herpetiformisirritable bowel Private Messaging system diagnosis. The diagnostic tests post nasal drip delicious almond milk.5.Drink apple cider vinegar jewel coloured vegetables Aloe Vera Gel home enema kit cod liver oil intestinal bacterial overgrowth original Patient Experience water upon arising

## Conclusions

- larger data sets
- refine symptom extraction process
- advanced topic / sentiment analysis
- gap analysis between patient and provider language