

Diagnosing pains in different parts of the body

Introduction

Using different types of medical websites, the goal of this assignment is to find a general diagnosis for possible causes and diseases of pain in a certain part of the body. The body parts that will be tested for pain are in the abdomen, the pelvis, and the head. Using the different websites, multiple possible diagnoses will be concluded from each website, and from all the websites, a consensus of possible diagnoses in that region of pain will be concluded as a result. To diagnosis the pain, first the gender, the age, the region of pain, and other symptoms will all be identified to help minimize the diagnoses.

The Websites

- Mayo Clinic – has its own symptom checker along with ability to check off the factors that accompany the pain.
- Buoy Health – has its own AI chatting system to discuss symptoms and pain. Also, can choose for multiple body parts from where pain is occurring, and then go further in depth depending on which region of the body part is hurting.
- WebMD – has its own symptom checker that begins with choosing where the pain is located on the body, then choosing symptoms of pain in that area of the body, by choosing a more specific region in that part of the body.
- Healthline – choose general area of pain, then lists the possible causes of that pain depending on the specific region given the general area/body part.

Abdomen Pain

Subject & Symptoms: Male, 20 yrs. old, lower right abdominal chronic severe pain with fever and nausea

Mayo Clinic

- Chose abdominal pain in adults.
- Described pain as sharp, located pain in lower abdomen, triggered by movement, relieved by change in position, and accompanied by fever and nausea.
- Conditions found as a close match include appendicitis, diverticulitis, Crohn's disease, gallstones, or just gas.

Buoy Health

- Chose pain in lower right abdomen.
- Described pain as severe, constant and the pain is staying the same.
- Additional symptoms added are nausea & vomiting and a fever above 100.4F with chills.
- Possible given conditions and causes include diverticulitis, constipation, testicular torsion, and irritable bowel syndrome.

WebMD

- Chose abdomen as the body part of pain and then, stomach pain lower right side, as the specific region in the abdomen.
- Added nausea and fever of 100.5F to 102F as additional symptoms.

- Possible given conditions are appendicitis as a strong match, Crohn's disease as a moderate match, diverticulitis as a fair match, along with testicular torsion and gas as fair matches.

Healthline

- Chose symptom as abdominal pain.
- Given chronic pain, possible diseases/conditions are irritable bowel syndrome and Crohn's disease.
- Given lower right abdominal pain, possible diseases/conditions are appendicitis or a hernia.

Overall Diagnosis

Given all possible conditions and diseases that could be causes of the lower right abdominal pain, the most common and strong matches as causes of pain are either from appendicitis, Crohn's disease, or diverticulitis. This is the diagnosis of the possible conditions/diseases that the subject is possibly going through, while these are what are possible, further inspection and analysis by doctors is needed, possibly through a CT scan.

Pelvis Pain

Subject & Symptoms: Female, 45 yrs. old, sharp pain in the groin

Mayo Clinic

- Chose pelvic pain in adult females.
- Described pain as sharp and ongoing, worsened by lifting or straining, and accompanied by painful bowel movements.

- Conditions found as a close match include Crohn's disease, endometriosis, ovarian cysts, and pelvic inflammatory disease.

Buoy Health

- Chose pain in pelvis and then specifically.
- Described pain as severe, constant and the pain is staying the same, as well as pain worsening from movement and coughing.
- Possible given conditions and causes include groin hernia.

WebMD

- Chose pelvis as the body part of pain and then, groin, as the specific region in the abdomen.
- Possible given conditions are hernia, endometriosis, and appendicitis as fair matches.

Healthline

- Chose symptom as groin pain
- Given pelvic and groin pain, possible common diseases/conditions are usually hernias, however less common causes are ovarian cysts and enlarged lymph nodes.

Overall Diagnosis

Given all possible conditions and diseases that could be causes of pelvic pain, specifically in the groin, the most common and strong matches as causes of pain are either from groin hernias, ovarian cysts or endometriosis. This is the diagnosis of the possible conditions/diseases that the subject is possibly going through, while these are what are possible, further inspection and analysis by doctors is needed, possibly through a CT scan.

Head Pain

Subject & Symptoms: Male, 65 yrs. old, throbbing sudden headache, nausea and stress

Mayo Clinic

- Chose headaches in adults.
- Described pain as throbbing, located pain in around the temples, onset is sudden, lasts for a few minutes to a few hours, occurs daily, worsens from stress, relieved by rest, and accompanied by restlessness and agitation.
- Conditions/causes found as a close match include cluster headaches, migraines, meningitis, or tension headaches.

Buoy Health

- Chose pain in the head, then further in the brain.
- Described pain as severe, constant and the pain is staying the same.
- Additional symptoms added are stress and that the headache throbbing.
- Possible given conditions and causes include thunderclap or exertion headaches, aseptic or bacterial meningitis, or worse case scenario, a brain tumor.

WebMD

- Chose head as the body part of pain and then, the temples and forehead, as the specific region in the head.
- Added nausea, stress, and sudden occurrence as additional symptoms.
- Possible given conditions are cluster headaches and migraines as a strong match, and tension headaches, sinusitis, and meningitis as fair matches.

Healthline

- Chose symptom as headaches.
- Given the pain and aches are in the temples and stress is involved, the possible diseases/conditions are cluster headaches and temporal arteritis.

Overall Diagnosis

Given all possible conditions and diseases that could be causes of head pain, specifically around the temples with stress, the most common and strong matches as causes of pain are either from cluster or tension headaches, migraines or meningitis. This is the diagnosis of the possible conditions/diseases that the subject is possibly going through, while these are what are possible, further inspection and analysis by doctors is needed through tests or scans.

Conclusion

The gathered conclusion is that using multiple different websites as means of finding a diagnosis for pain is a great first step. This is because you would get different possible conditions or causes of the pain, but also same and similar possible causes, which would allow you to narrow it down to the causes that are repeated in the different website's diagnoses. However, although this is practical and a good first step to figuring out a general/possible diagnosis, going to the hospital or other medical facility is needed in order to scan the part of the body where the pain is coming from to get a definite diagnosis that would match with the one's found from the websites' symptom checkers.

References/Websites

MAYO CLINIC: <https://www.mayoclinic.org/symptom-checker/select-symptom/itt-20009075>

BUOY HEALTH: <https://www.buoyhealth.com/learn/body-parts>
<https://www.buoyhealth.com/symptom-checker/>

WEBMD: <https://symptoms.webmd.com/>

HEALTHLINE: <https://www.healthline.com/symptom-checker>