|  |  |  |  |
| --- | --- | --- | --- |
| Condition names and if there is a content return to the 6 questions: | Questions (Q0-Q5) | Found satisfied answers? (Y/N) | Numbers of Semantic terms |
| Asthma  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:6  Symptoms:6  Drug:2  Treatments:1  Diagnosis\_methods:2  Anatomical\_structure:3  Age\_group/gender:2 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | N |
| Flu  ['Q0:Y', 'Q1:Y', 'Q2:N', 'Q3:N', 'Q4:Y', 'Q5:Y'] | What is it | N | Related\_disease:7  Symptoms:5  Drugs:3  Treatments:0  Diagnosis\_methods:0  anatomical\_structure:2  age\_group/gender:0 |
| What are the symptoms | Y |
| What are the causes | N |
| What are the treatments | Y |
| How to diagnose | N |
| Who mostly be affected | N |
| Pneumonia  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:21  Symptoms:33  Drugs:0  Treatments:2  Diagnosis\_methods:5  anatomical\_structure:8  age\_group/gender:3 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | Y |
| Heart attack  ['Q0:Y', 'Q1:Y', 'Q2:N', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease: 9,  Symptoms: 8,  Drugs: 4,  Treatments: 2,  Diagnosis\_methods: 1  anatomical\_structure:8  age\_group/gender:0 |
| What are the symptoms | Y |
| What are the causes | N |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | Y |
| Lung cancer  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:8  Symptoms:5  Drugs:1  Treatments:4  Diagnosis\_methods:0  anatomical\_structure:5  age\_group/gender:1 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | N |
| Who mostly be affected | Y |
| Diabetes  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | N | Related\_disease: 7, Symptoms: 5,  Drugs: 0,  Treatments: 1, Diagnosis\_methods: 1, anatomical\_structure:2, age\_group/gender: 2 |
| What are the symptoms | Y |
| What are the causes | N |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | N |
| Allergy  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:8  Symptoms:11  Drugs:1  Treatments:2  Diagnosis\_methods:0  anatomical\_structure:6  age\_group/gender:2 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | N |
| Who mostly be affected | N |
| Gallstones  ['Q0:Y', 'Q1:N', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | N | Related\_disease:1  Symptoms:5  Drugs:0  Treatments:1  Diagnosis\_methods:4  anatomical\_structure:2  age\_group/gender:0 |
| What are the symptoms | N |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | Y |
| Breast cancer  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:9  Symptoms:9  Drugs:3  Treatments:6  Diagnosis\_methods:2  anatomical\_structure:8  age\_group/gender:2 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | Y |
| Urinary incontinence  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:11  Symptoms:6  Drugs:1  Treatments:3  Diagnosis\_methods:1  anatomical\_structure:11  age\_group/gender:2 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | Y |
| Urinary infection  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:7  Symptoms:7  Drugs:1  Treatments:0  Diagnosis\_methods:0  anatomical\_structure:4  age\_group/gender:0 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | N |
| Who mostly be affected | N |
| Hypertension  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | N | Related\_disease:6  Symptoms:1  Drugs:0  Treatments:1  Diagnosis\_methods:2  anatomical\_structure:5  age\_group/gender:0 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | N |
| Stroke  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:15  Symptoms:10  Drugs:3  Treatments:2  Diagnosis\_methods:3  anatomical\_structure:11  age\_group/gender:0 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | N |
| Glaucoma  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:10  Symptoms:4  Drugs:1  Treatments:2  Diagnosis\_methods:2  anatomical\_structure:6  age\_group/gender:3 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | Y |
| Who mostly be affected | Y |
| Chickenpox  ['Q0:Y', 'Q1:Y', 'Q2:Y', 'Q3:Y', 'Q4:Y', 'Q5:Y'] | What is it | Y | Related\_disease:4  Symptoms:6  Drugs:2  Treatments:1  Diagnosis\_methods:0  anatomical\_structure:5  age\_group/gender:2 |
| What are the symptoms | Y |
| What are the causes | Y |
| What are the treatments | Y |
| How to diagnose | N |
| Who mostly be affected | Y |

15 health conditions with 6 question each that is total 90 questions:

Answered = 86 (92.22%)

No answer = 4 (7.78%)

Satisfaction rate for answered questions = 71/86 (82.56%)

Total satisfaction rate = 71/90 (78.89%)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Satisfaction rate for each question:

Concept question (What is the disease?) = 11/15 (73.33%)

Symptom question = 14/15 (93.33%)

Causes question = 12/15 (80%)

Treatment question = 15/15 (100%)

Diagnose question = 10/15 (66.67%)

Affected question = 8/15 (53.33)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Semantic terms found for 15 health conditions:

Disease terms = 129, average = 8.6/condition

Symptom terms = 122, average = 8.1/condition

Drug terms = 22, average = 1.5/condition

Treatment terms = 28, average = 1.9/condition

Diagnosis term =23, average =1.5/condition

Anatomical structure term = 80, average = 5.3/condition

Age group term = 19, average = 1.3/condition