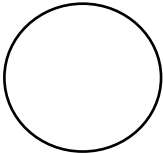
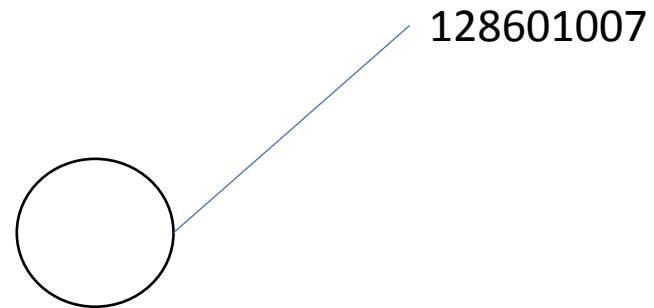


Using SNOMED-CT and Semantic Web (OWL/RDF) for Advanced Clinical Data Analysis

Peter Hendler, M.D
Clinical Engagement Lead for the Americas
SNOMED International

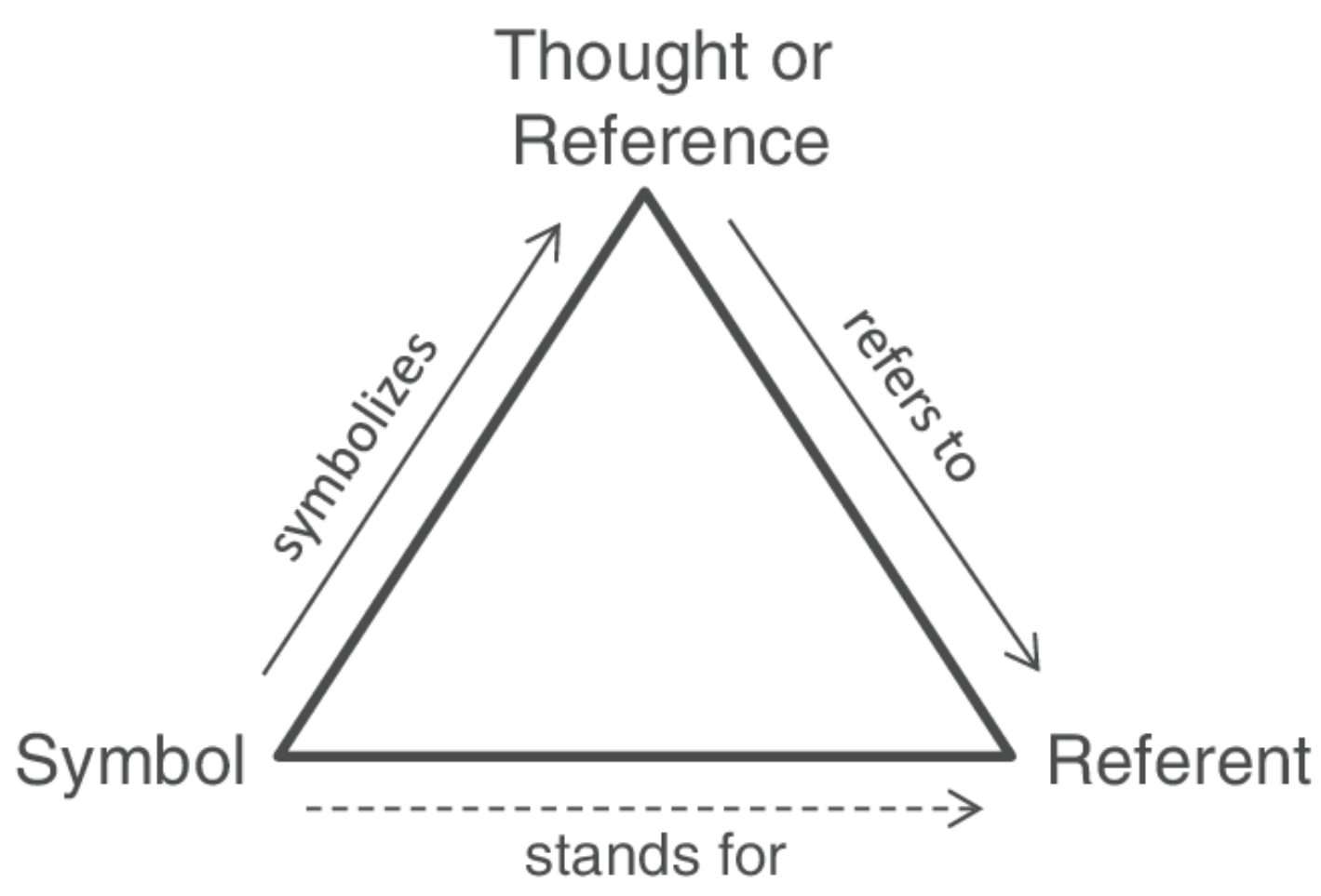
ANYTHING IN THE UNIVERSE



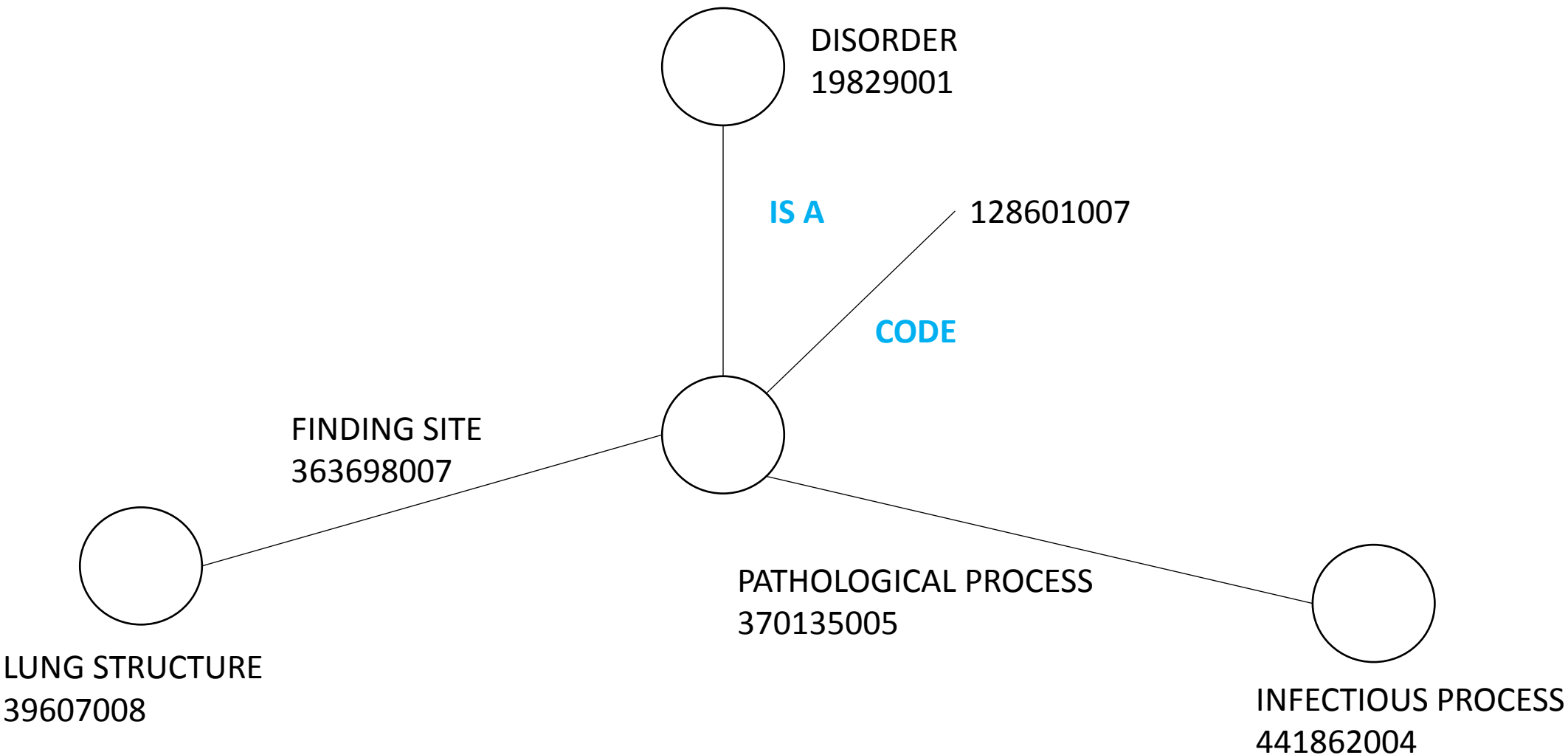


Give it a CODE so anyone in the universe can refer to the same thing no matter what language they use.

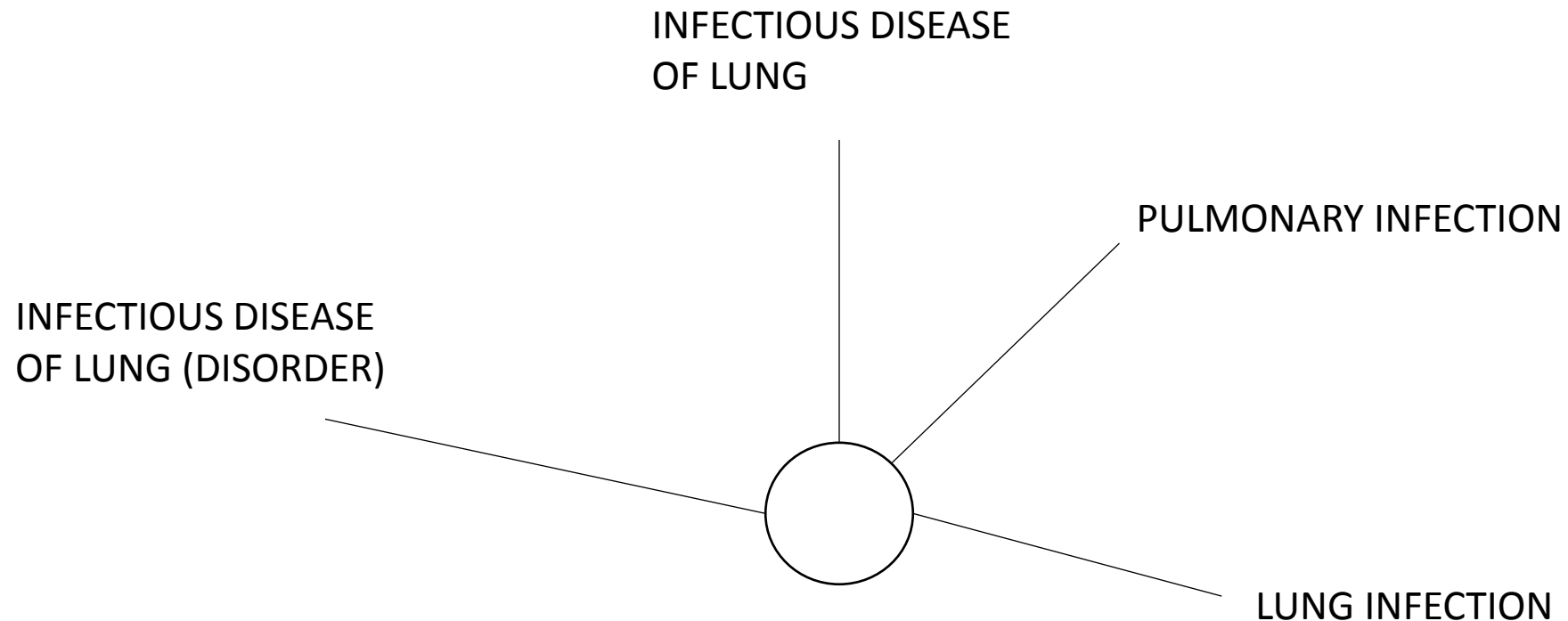
Semiotic Triangle



ADD DEFINING RELATIONSHIPS

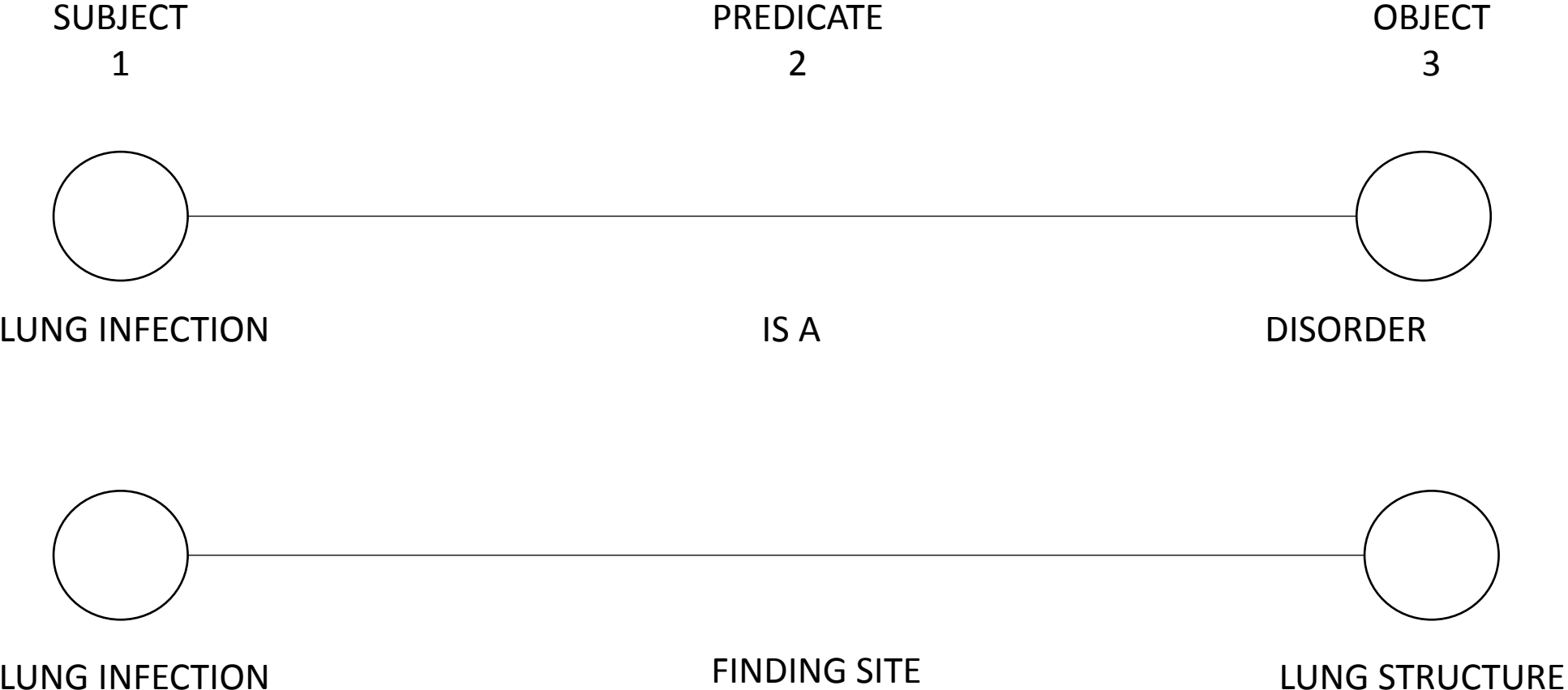


GIVE IT SOME HUMAN READABLE LABELS

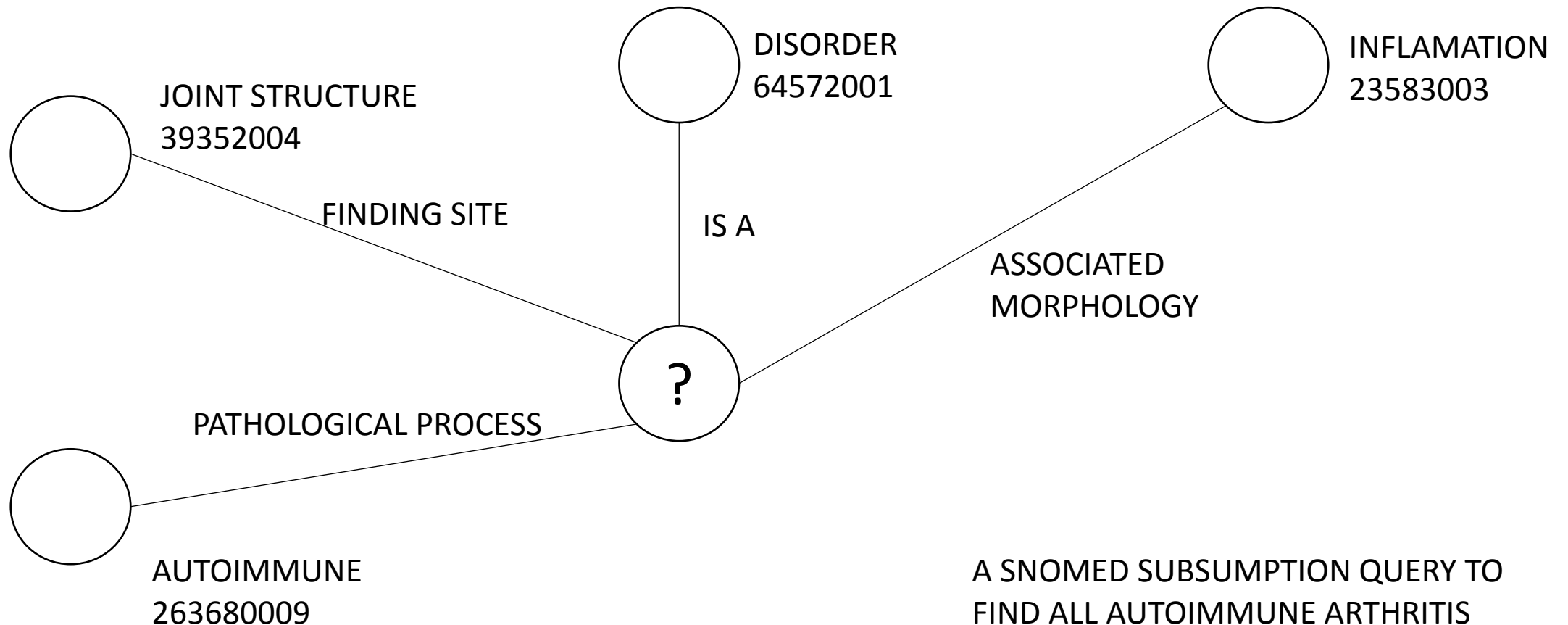


* LABELS DON'T EFFECT MEANING AND CAN BE IN ANY LANGUAGE

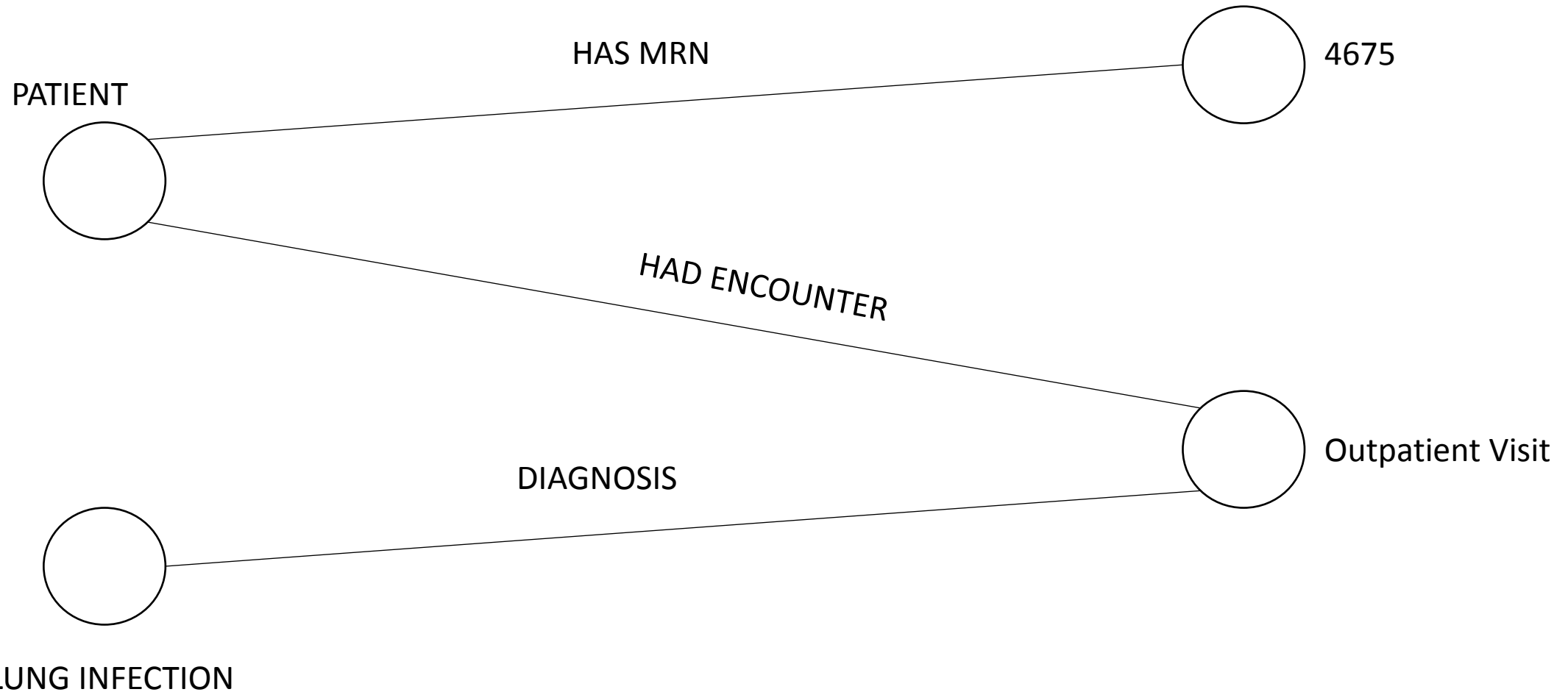
TO STORE IT, BREAK IT DOWN TO TRIPLES (LIKE RDF or OWL)



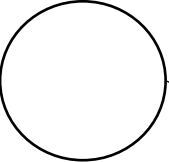
SOMETIMES A TERM DOES NOT EXIST YOU CAN CREATE IT ON THE FLY AND QUERY FOR ITS CHILDREN AND DESCENDANTS



MAKE A GRAPH OF THE CLINICAL DATA



THEREFORE



4675

HAD DIAGNOSIS

Note the link from Clinical Data to SNOMED concepts

LUNG INFECTION

