

age: used to specify an age criteria for a patient.

```
{
    "type": "age",
    "min": <int> [years] (optional),
    "max": <int> [years] (optional)
}
```

gender: used to specify a gender criteria for a patient.

```
{
    "type": "gender",
    "gender": <int> [0 for male, 1 for female, 2 for either] (2 is
equivalent to not making this a rule)
}
```

medications: used to find whether a patient is prescribed certain medications.

```
{
    "type": "medications",
    "medications": <list[str]> [the lowercase names of specific
medications] (these will be substring matched against the list of
patient medications)
}
```

Example of medications:

drug  
potassium chloride  
d5w  
sodium chloride  
ns  
furosemide  
insulin  
iso-osmotic dextrose  
5% dextrose  
sw  
magnesium sulfate  
morphine sulfate  
acetaminophen  
heparin

calcium gluconate

preexisting\_conditions: used to find whether a patient has had prior diagnoses or conditions.

```
{  
    "type": "preexisting_conditions",  
    "icd9_codes": <list[str]> [the ICD-9 codes describing the relevant  
conditions]  
}
```