

Appendix 3: Table of UMLS semantic types in eligibility criteria forms sorted by absolute frequencies (n).

STY	n		
1	Finding	3849	
2	Disease or Syndrome	3047	
3	Pharmacologic Substance	2201	
4	Therapeutic or Preventive Procedure	2140	
5	Neoplastic Process	1204	
6	Laboratory Procedure	845	
7	Diagnostic Procedure	777	
8	Qualitative Concept	685	
9	Intellectual Product	680	
10	Pathologic Function	571	
11	Body Part, Organ, or Organ Component	569	
12	Functional Concept	492	
13	Medical Device	487	
14	Health Care Activity	446	
15	Organic Chemical	441	
16	Mental or Behavioral Dysfunction	439	
17	Amino Acid, Peptide, or Protein	425	
18	Sign or Symptom	416	
19	Quantitative Concept	390	
20	Temporal Concept	332	
21	Laboratory or Test Result	331	
22	Spatial Concept	319	
23	Clinical Attribute	283	
24	Injury or Poisoning	246	
25	Idea or Concept	183	
26	Manufactured Object	168	
27	Biologically Active Substance	162	
28	Population Group	159	
29	Food	140	
30	Research Activity	137	
31	Organ or Tissue Function	130	
32	Body Location or Region	129	
33	Health Care Related Organization	129	
34	Immunologic Factor	128	
35	Gene or Genome	121	
36	Professional or Occupational Group	117	
37	Cell or Molecular Dysfunction	114	
38	Individual Behavior	109	
39	Organism Function	108	
40	Molecular Function	106	
41	Mental Process	102	
42	Cell	101	
43	Indicator, Reagent, or Diagnostic Aid	94	
44	Clinical Drug	90	
45	Anatomical Abnormality	89	
46	Congenital Abnormality	88	
47	Activity	82	
48	Biomedical or Dental Material	82	
49	Classification	81	
50	Organism Attribute	79	
51	Body Space or Junction	78	
52	Body Substance	72	
53	Physiologic Function	72	
54	Geographic Area	71	
55	Biomedical Occupation or Discipline	67	
56	Conceptual Entity	65	
57	Tissue	62	
58	Antibiotic	59	
59	Daily or Recreational Activity	57	
60	Hormone	55	
61	Social Behavior	55	
62	Natural Phenomenon or Process	48	
63	Receptor	47	
64	Family Group	45	
65	Patient or Disabled Group	45	
66	Plant	45	
67	Nucleic Acid, Nucleoside, or Nucleotide	41	
68	Body System	40	
69	Virus	38	
70	Acquired Abnormality	37	
71	Inorganic Chemical	37	
72	Genetic Function	34	
73	Phenomenon or Process	33	
74	Substance	33	
75	Bacterium	31	
76	Cell Function	28	
77	Occupational Activity	27	
78	Element, Ion, or Isotope	25	
79	Language	25	
80	Educational Activity	24	
81	Regulation or Law	21	
82	Cell Component	20	
83	Governmental or Regulatory Activity	20	

84	Age Group	19
85	Anatomical Structure	19
86	Chemical Viewed Functionally	19
87	Organization	19
88	Biologic Function	18
89	Hazardous or Poisonous Substance	18
90	Molecular Biology Research Technique	18
91	Occupation or Discipline	17
92	Chemical Viewed Structurally	13
93	Fungus	11
94	Mammal	11
95	Eukaryote	10
96	Event	10
97	Group Attribute	9
98	Machine Activity	9
99	Professional Society	9
100	Vitamin	9
101	Group	8
102	Behavior	7
103	Enzyme	7
104	Human-caused Phenomenon or Process	7
105	Nucleotide Sequence	7
106	Chemical	6
107	Organism	6
108	Physical Object	5
109	Embryonic Structure	4
110	Self-help or Relief Organization	4
111	Entity	3
112	Research Device	3
113	Bird	2
114	Human	2
115	Animal	1
116	Drug Delivery Device	1
117	Environmental Effect of Humans	1
118	Fish	1