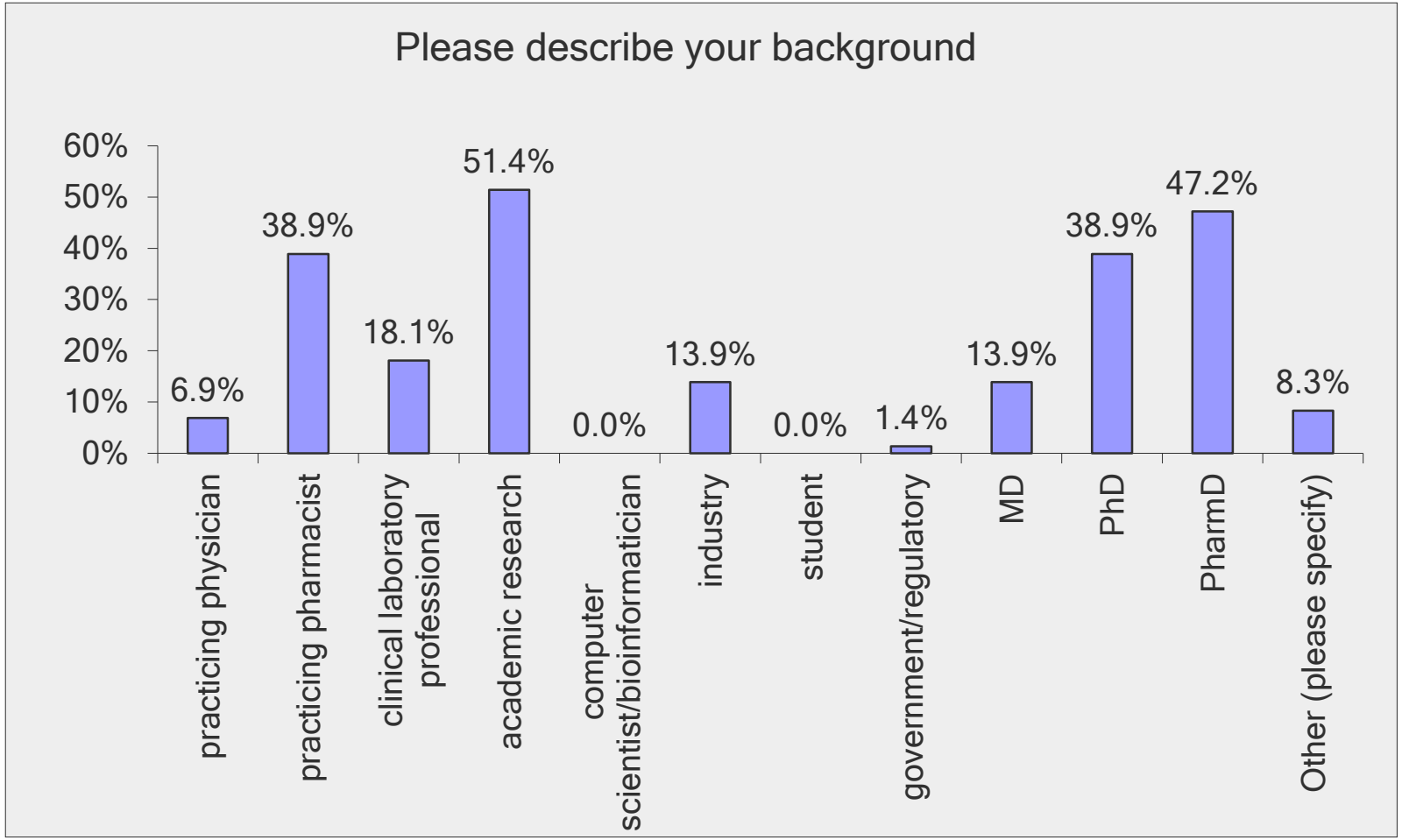
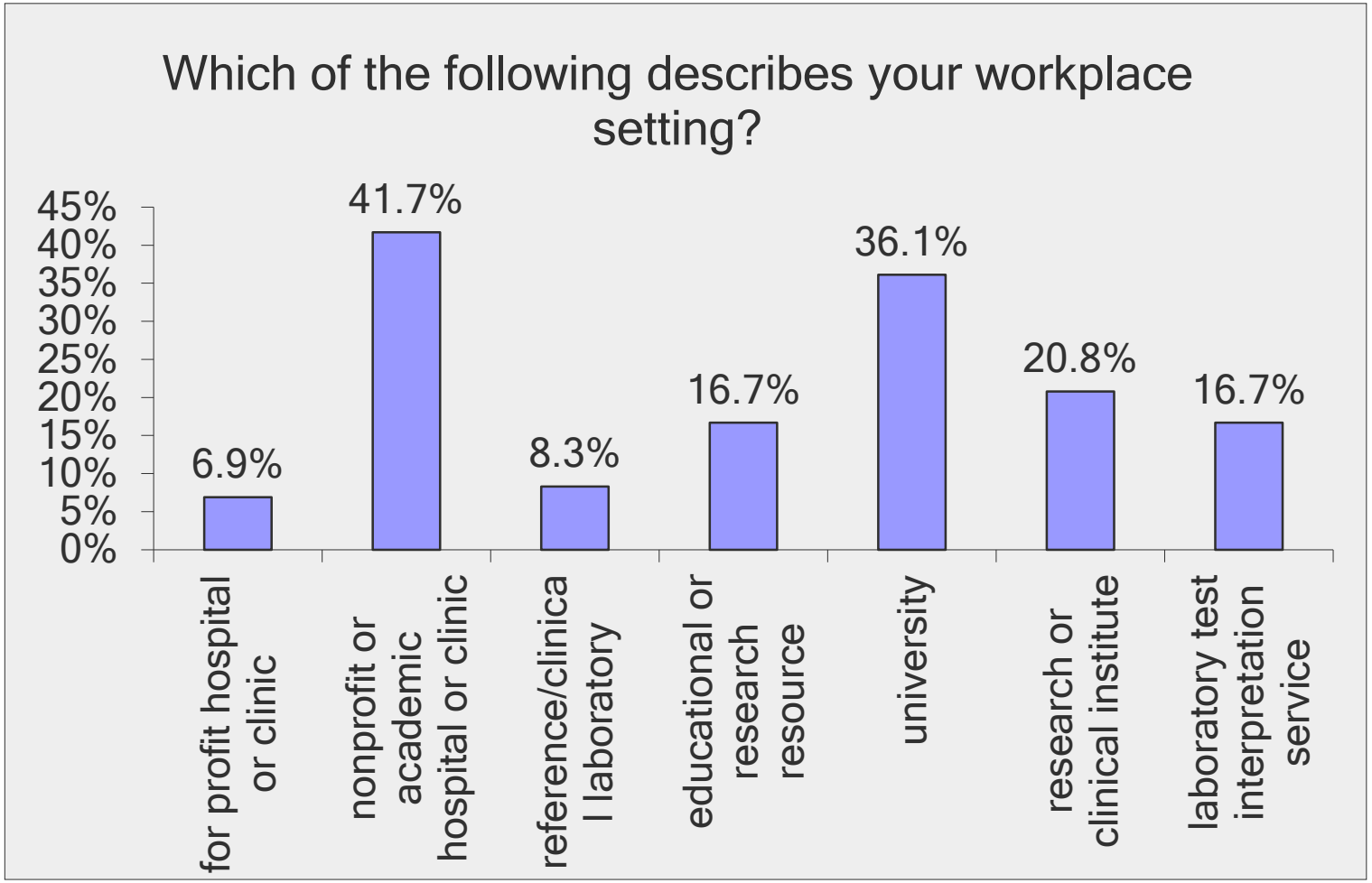
CPIC Survey Results

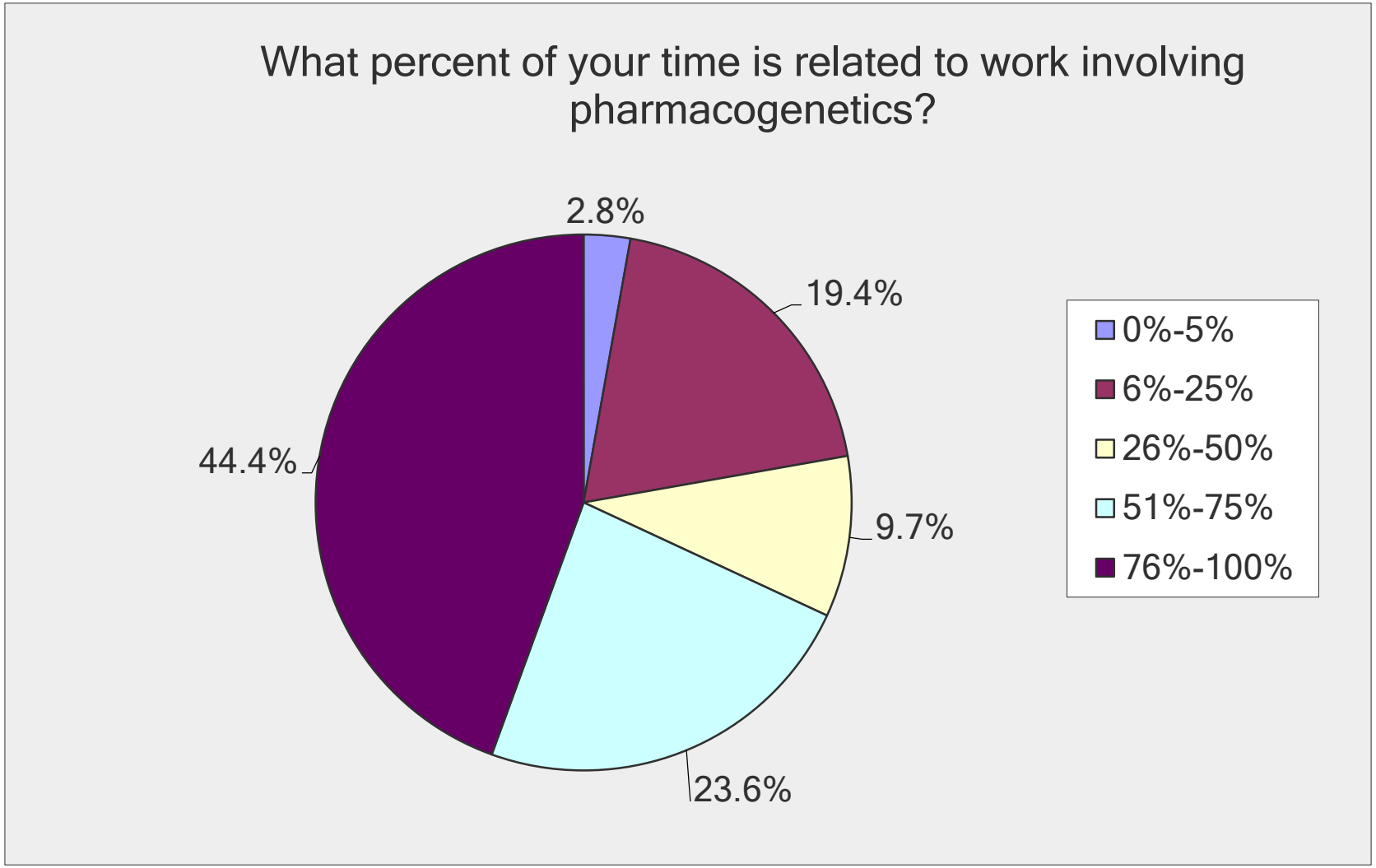
Demographics



Demographics

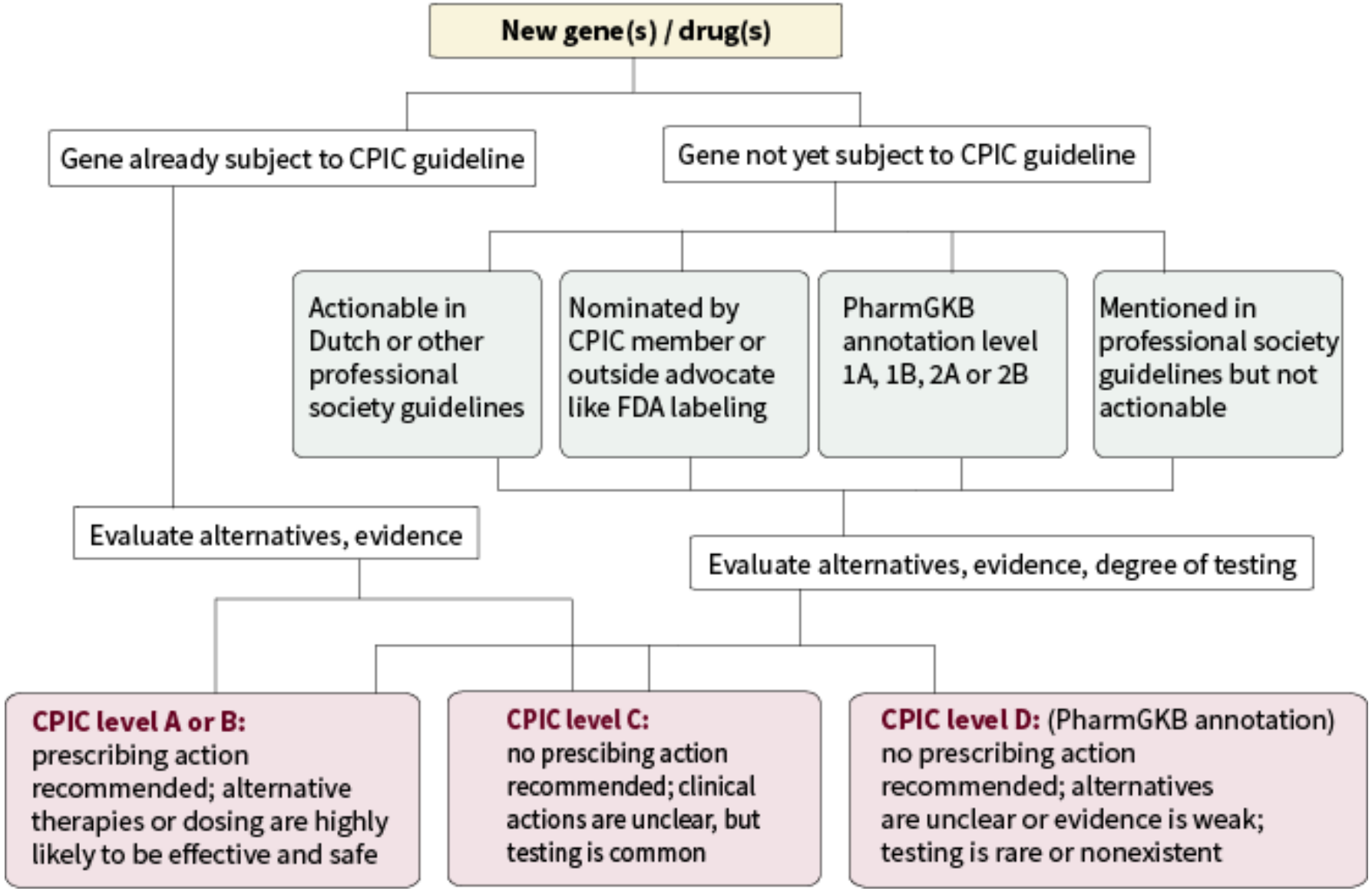


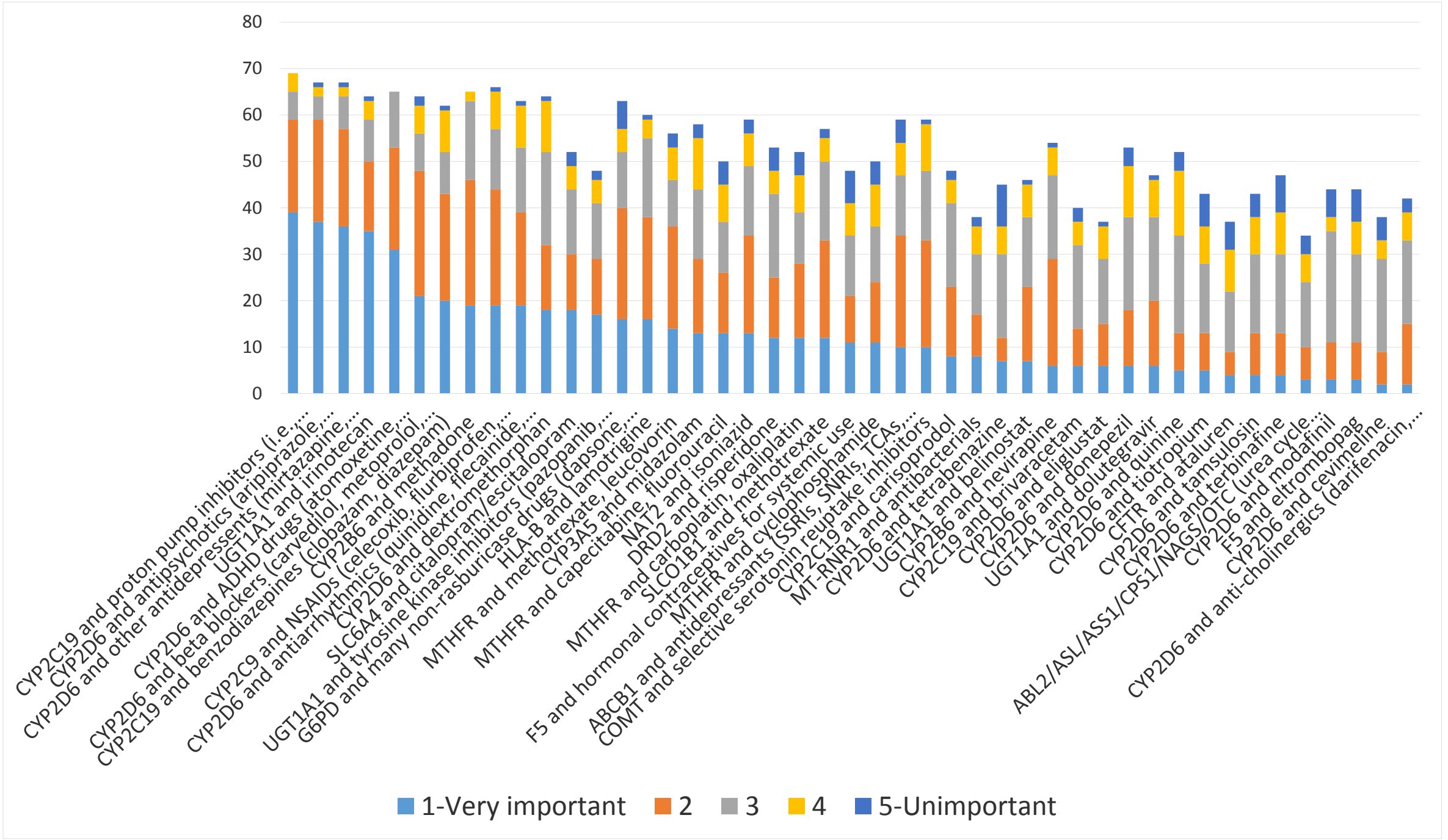
Demographics



Initial prioritization considerations for new gene/drug groups

(may change over time as evidence and experience accumulates)




80
70
60
50
40
30
20
10
0
CYP2C19 and proton pump inhibitors (i.e.,...
CYP2D6 and antipsychotics (aripiprazole,...
CYP2D6 and other antidepressents (mirtazapine,...
UGT1A1 and irinotecan
CYP2D6 and ADHD drugs (atomoxetine,...
CYP2D6 and beta blockers (carvedilol, metoprolol,...
CYP2C19 and benzodiazepines (clobazam, diazepam)
CYP2B6 and methadone
CYP2C9 and NSAIDs (celecoxib, flurbiprofen,...
CYP2D6 and antiarrhythmics (quinidine, flecainide,...
CYP2D6 and dextromethorphan
SLC6A4 and citalopram/escitalopram
UGT1A1 and tyrosine kinase inhibitors (pazopanib,...
G6PD and many non-rasburicase drugs (dapsone,...
MTHFR and methotrexate, leucovorin
HLA-B and lamotrigine
MTHFR and capecitabine, fluorouracil
CYP3A5 and midazolam
NAT2 and isoniazid
DRD2 and risperidone
MTHFR and carboplatin, oxaliplatin
SLCO1B1 and methotrexate
F5 and hormonal contraceptives for systemic use
MTHFR and cyclophosphamide
ABCB1 and antidepressants (SSRIs, SNRIs, TCAs,...
COMT and selective serotonin reuptake inhibitors
CYP2C19 and carisoprodol
MT-RNR1 and antibacterials
CYP2D6 and tetrabenazine
UGT1A1 and belinostat
CYP2B6 and nevirapine
CYP2C19 and brivaracetam
CYP2D6 and eliglustat
UGT1A1 and donepezil
CYP2D6 and dolutegravir
CYP2D6 and quinine
CYP2D6 and tiotropium
CFTR and ataluren
CYP2D6 and tamsulosin
ABL2/ASL/ASS1/CPS1/NAGS/OTC (urea cycle...
CYP2D6 and terbinafine
F5 and eltrombopag
CYP2D6 and modafinil
CYP2D6 and cevimeline
CYP2D6 and anti-cholinergics (darifenacin,...
1-Very important
2
3
4
5-Unimportant

Top 10 (Highest priority-all participants)

- CYP2C19 and proton pump inhibitors (i.e., esomeprazole, omeprazole, etc.)
- CYP2D6 and antipsychotics
- CYP2D6 and other antidepressents (mirtazapine, venlafaxine, duloxetine, vortioxetine)
- UGT1A1 and irinotecan
- CYP2D6 and ADHD drugs (atomoxetine, methylphenidate)
- CYP2D6 and beta blockers (carvedilol, metoprolol, propranolol, timolol)
- CYP2C19 and benzodiazepines (clobazam, diazepam)
- CYP2B6 and methadone
- CYP2C9 and NSAIDs (celecoxib, flurbiprofen, diclofenac)
- CYP2D6 and antiarrhythmics (quinidine, flecainide, propafenone)

Top 10 (Highest priority-practicing physicians)

- CYP2D6 and antipsychotics CYP2C19 and proton pump inhibitors (i.e., esomeprazole, omeprazole, etc.)
- CYP2D6 and other antidepressents (mirtazapine, venlafaxine, duloxetine, vortioxetine)
- UGT1A1 and irinotecan
- CYP2C19 and benzodiazepines (clobazam, diazepam)
- CYP2D6 and ADHD drugs (atomoxetine, methylphenidate)
- CYP2D6 and beta blockers (carvedilol, metoprolol, propranolol, timolol)
- CYP2C9 and NSAIDs (celecoxib, flurbiprofen, diclofenac)
- CYP2D6 and antiarrhythmics (quinidine, flecainide, propafenone)
- CYP2D6 and dextromethorphan