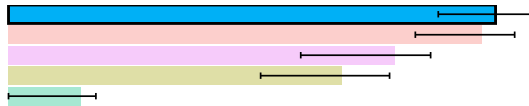


# Neonatal Causes of Death, <28 Days (n=477)

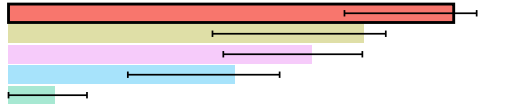
Infections  
(n=99, 21%)  
[Range=0.73]

**InSilicoVA: 0.86 (0.76,0.92)**  
GPT-5: 0.84 (0.72,0.89)  
InterVA-5: 0.68 (0.52,0.74)  
GPT-4: 0.59 (0.44,0.67)  
GPT-3.5: 0.13 (0,0.15)



Birth asphyxia and  
birth trauma  
(n=103, 22%)  
[Range=0.70]

**GPT-5: 0.78 (0.59,0.83)**  
GPT-4: 0.63 (0.36,0.67)  
InterVA-5: 0.54 (0.38,0.62)  
InSilicoVA: 0.40 (0.21,0.48)  
GPT-3.5: 0.08 (0,0.14)



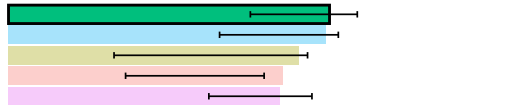
Prematurity and  
low birthweight  
(n=73, 15%)  
[Range=0.77]

**GPT-5: 0.78 (0.62,0.85)**  
GPT-3.5: 0.71 (0.57,0.8)  
GPT-4: 0.71 (0.56,0.8)  
InSilicoVA: 0.30 (0.07,0.37)  
InterVA-5: 0.01 (0,0.08)



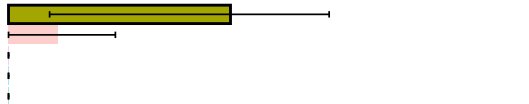
Stillbirth  
(n=172, 36%)  
[Range=0.09]

**GPT-3.5: 0.57 (0.43,0.61)**  
InSilicoVA: 0.56 (0.37,0.58)  
GPT-4: 0.51 (0.19,0.53)  
GPT-5: 0.48 (0.21,0.45)  
InterVA-5: 0.48 (0.35,0.53)



Ill-defined  
(n=23, 5%)  
[Range=0.39]

**GPT-4: 0.39 (0.07,0.57)**  
GPT-5: 0.09 (0,0.19)  
InterVA-5: 0.00 (0,0)  
InSilicoVA: 0.00 (0,0)  
GPT-3.5: 0.00 (0,0)



0.0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0

Partial Chance Corrected Concordance (PCCC)

■ GPT-5 ■ GPT-4 ■ GPT-3.5 ■ InSilicoVA ■ InterVA-5 — 95% Confidence Interval (Bootstrap, 1000 Resamples)