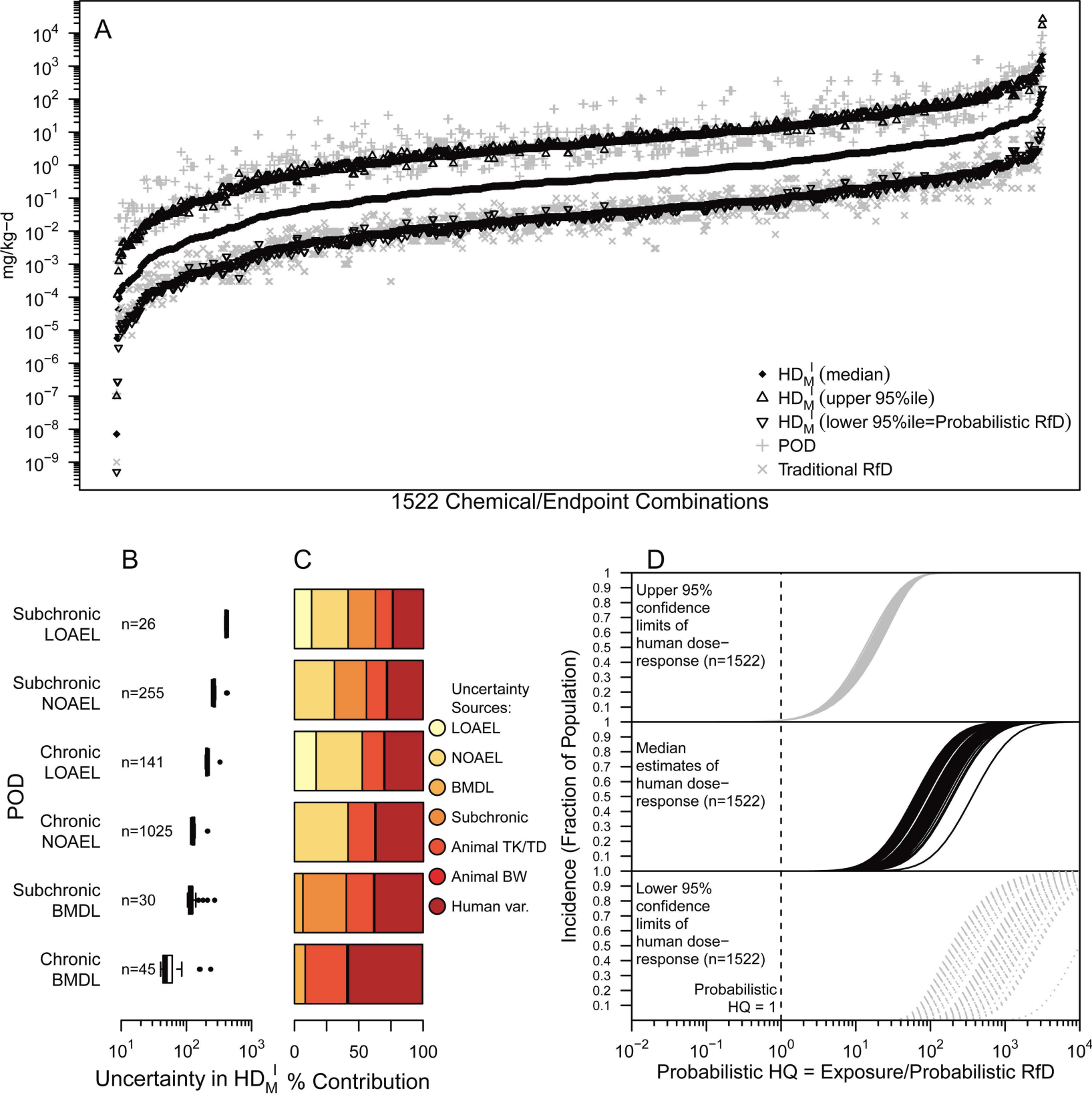
A
mg/kg−d
10^4
10^3
10^2
10^1
10^0
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10^{-8}
10^{-9}
HD_M^I (median)
HD_M^I (upper 95%ile)
HD_M^I (lower 95%ile=Probabilistic RfD)
POD
Traditional RfD
1522 Chemical/Endpoint Combinations
B
C
D
POD
Subchronic LOAEL
n=26
Subchronic NOAEL
n=255
Chronic LOAEL
n=141
Chronic NOAEL
n=1025
Subchronic BMDL
n=30
Chronic BMDL
n=45
10^1
10^2
10^3
Uncertainty in HD_M^I
0
50
100
% Contribution
Uncertainty Sources:
LOAEL
NOAEL
BMDL
Subchronic
Animal TK/TD
Animal BW
Human var.
Incidence (Fraction of Population)
Upper 95% confidence limits of human dose−response (n=1522)
Median estimates of human dose−response (n=1522)
Lower 95% confidence limits of human dose−response (n=1522)
Probabilistic HQ = 1
10^{-2}
10^{-1}
10^0
10^1
10^2
10^3
10^4
Probabilistic HQ = Exposure/Probabilistic RfD