Figure 4 A

A database of pediatric drug effects using ATC and MedDRA

- We generated 500,000 drug safety signals for every drug (ATC5) and adverse event (PT) identified during childhood
- We compared drug safety signals to a null distribution to estimate statistical significance for each pediatric ADE
- We *grouped* ADEs into the ATC1-5 and PT-SOC categories
- We asked if the drug or adverse event class was enriched for significant ADEs at a stage, and the matrix shows how many
- The graphs show select drug ingredients enriched in systemic adverse events across childhood

	ATC1 N=14	ATC2 N=77	ATC3 N=166	ATC4 N=358	ATC5 N=926	Number of associated adverse event classes
SOC N=27	43	66	60	38	36	243
HLGT N=334	23	15	9	3	2	52
HLT N=1,472	3	3	2	2	1	11
PT N=6,841	0	0	0	0		0
Number of associated drug classes	69	84	71	43	39	306 Number of associated ADE classes

B