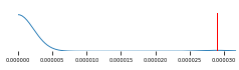
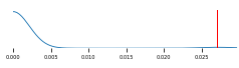
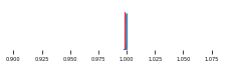
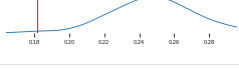


Prescribing where Cumbria And North East STP is higher than most

BNF Chemical	Chemical Items	BNF Subparagraph	Subparagraph Items	Ratio	Mean	std	Z_Score	Plots
Cholesterol/simvastatin 	1	Preparations for psoriasis	34553	0.00	0.0	0.0	6.33	
Procarbazine hydrochloride 	1	Other antineoplastic drugs	1374	0.00	0.0	0.0	6.33	
Ephedrine hydrochloride 	1	Vasoconstrictor sympathomimetics	3356	0.00	0.0	0.0	6.33	
Zidovudine 	1	HIV infection	37	0.03	0.0	0.0	6.25	
Other topical circulatory preparations 	3	Topical circulatory preparations	1470	0.00	0.0	0.0	6.08	

Prescribing where Cumbria And North East STP is lower than most

BNF Chemical	Chemical Items	BNF Subparagraph	Subparagraph Items	Ratio	Mean	std	Z_Score	Plots
Midodrine hydrochloride 	3355	Vasoconstrictor sympathomimetics	3356	1.00	1.00	0.00	-6.33	
Heparinoid 	1467	Topical circulatory preparations	1470	1.00	1.00	0.00	-6.08	
Co-codamol (Codeine phosphate/paracetamol) 	193620	Non-opioid analgesics and compound preparations	963640	0.20	0.45	0.08	-3.01	
Prochlorperazine maleate 	34255	Drugs used in nausea and vertigo	188214	0.18	0.25	0.02	-2.84	
Amitriptyline hydrochloride 	483140	Tricyclic and related antidepressant drugs	637512	0.76	0.85	0.03	-2.83	

Supplementary Figure 1: Prototype dashboard showing the top/bottom five outlying chemicals for Cumbria and North East STP. BNF Chemical is the chemical of interest, Chemical Items provides the number of prescribing items containing this chemical. BNF Subparagraph is the BNF Subparagraph to which the Chemical belongs and Subparagraph Items is the number of prescribing items containing an item belonging to this BNF Subparagraph. Ratio, Mean, std and Z-score place the chemical items count in the context of the subparagraph items count as described in the methods. The sparkline plot shows where the Ratio value for this STP occurs (vertical red line) in the context of the same Ratio in all STPs (summarised by the blue line).