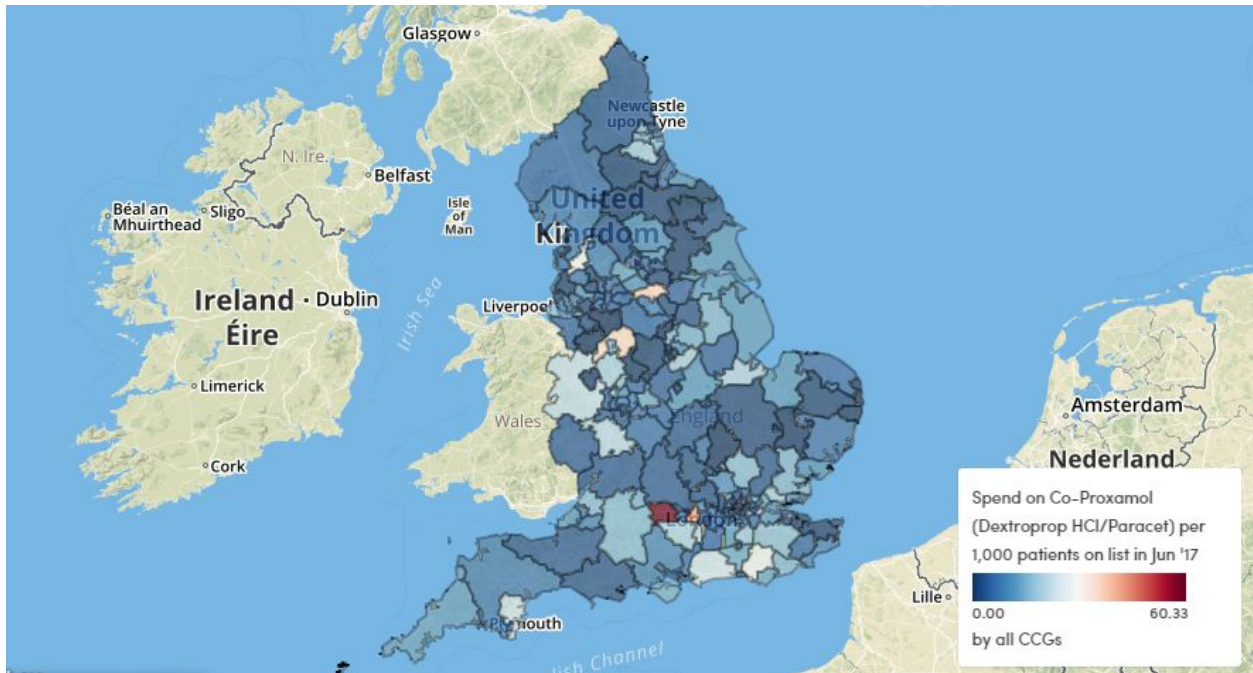


Appendix A - variation and time trends for prescribing of individual “low priority” medicines

From - OpenPrescribing: Identifying the general practices prescribing “low priority” treatments

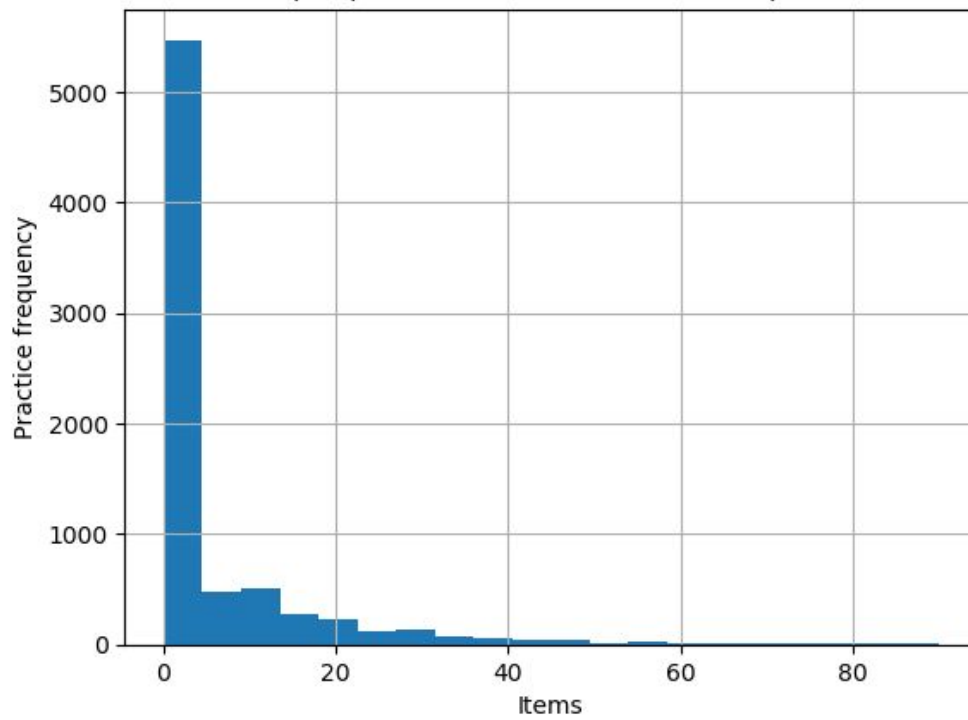
Co-proxamol

Variation in spending per thousand patients across CCGs in June 2017:

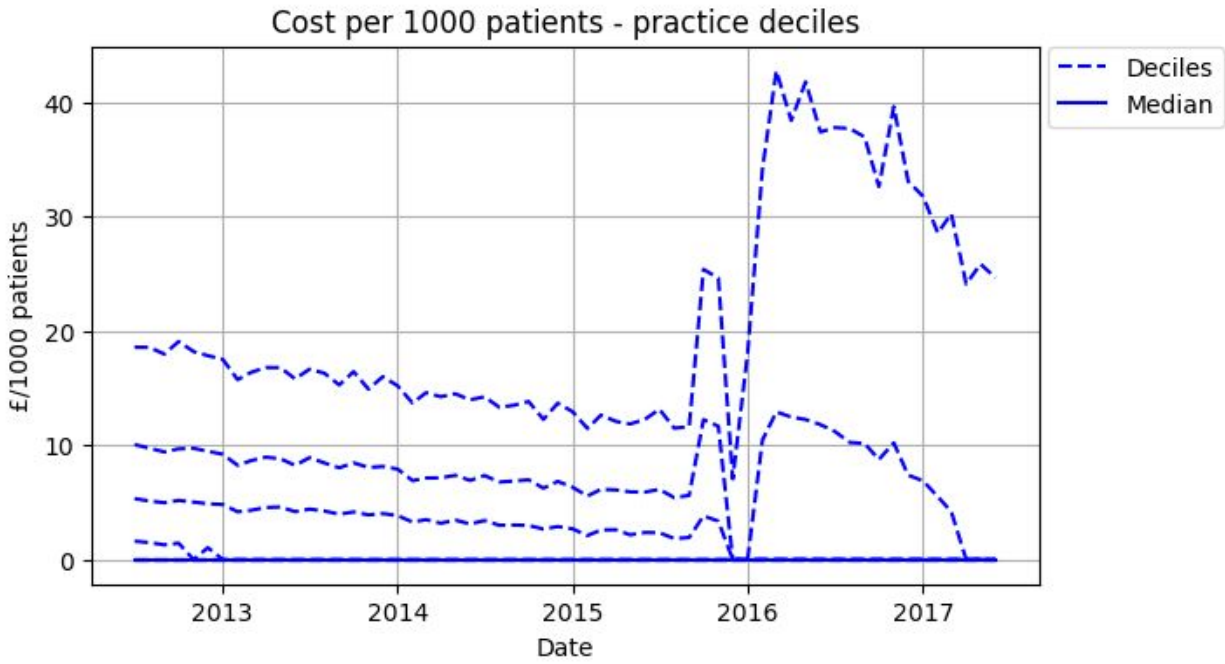
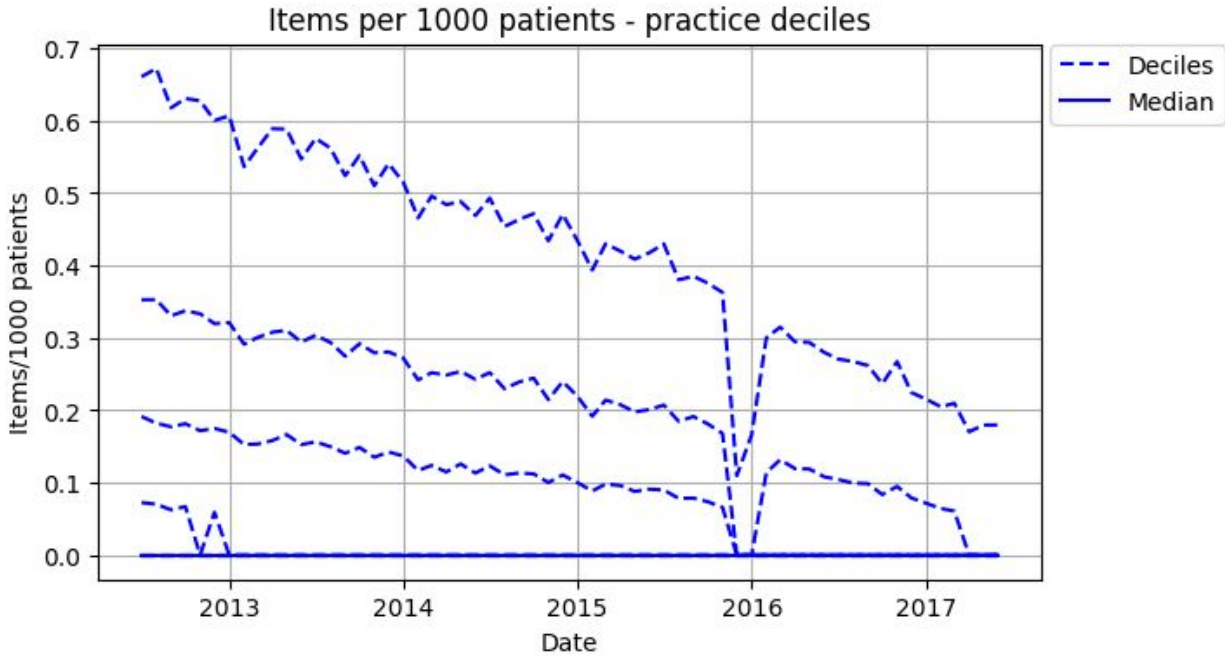


[Interactive map here](#)

Items per practice - distribution across practices

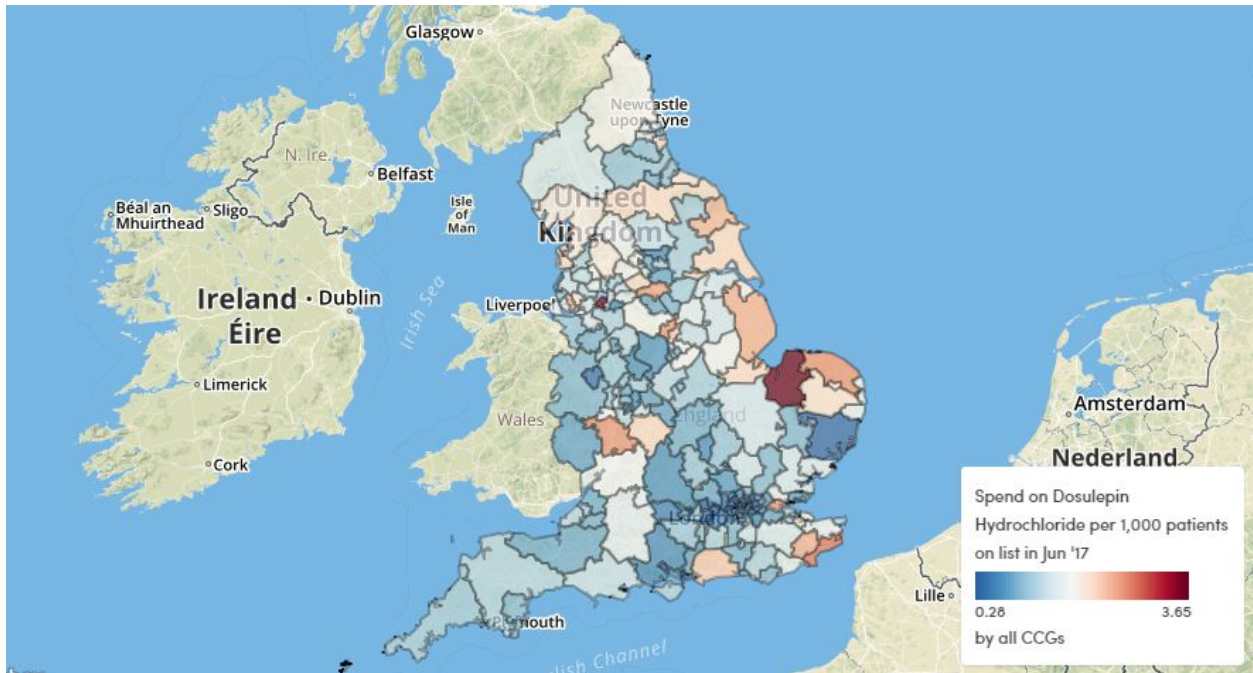


Number of practices prescribing zero items: 4762



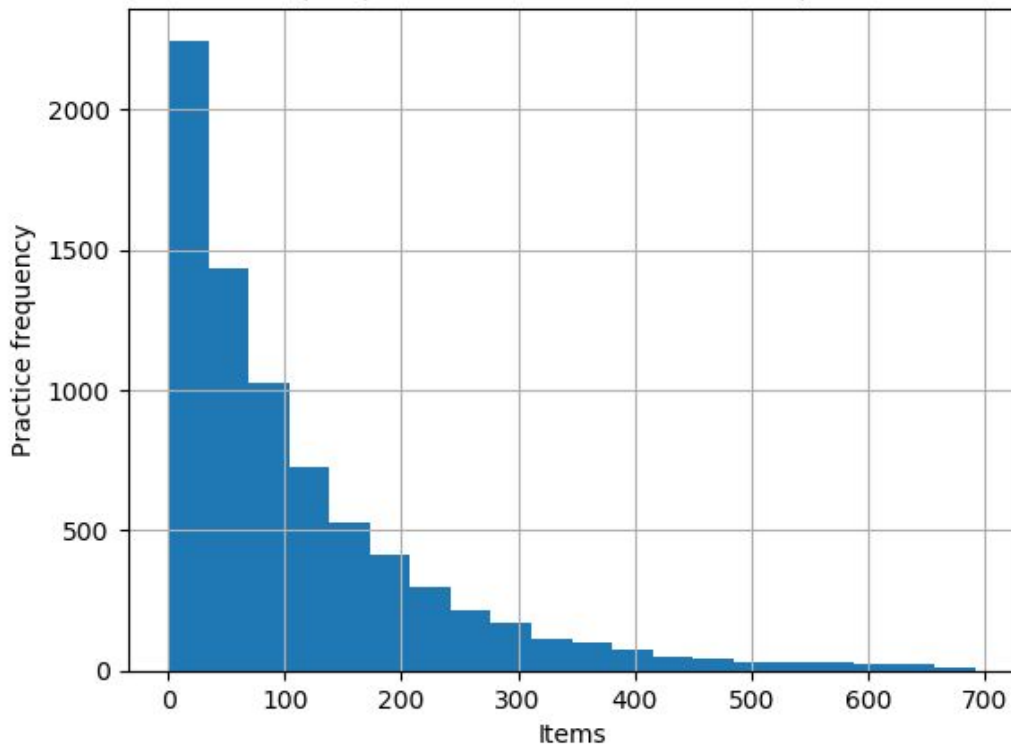
Dosulepin

Variation in spending per thousand patients across CCGs in June 2017:



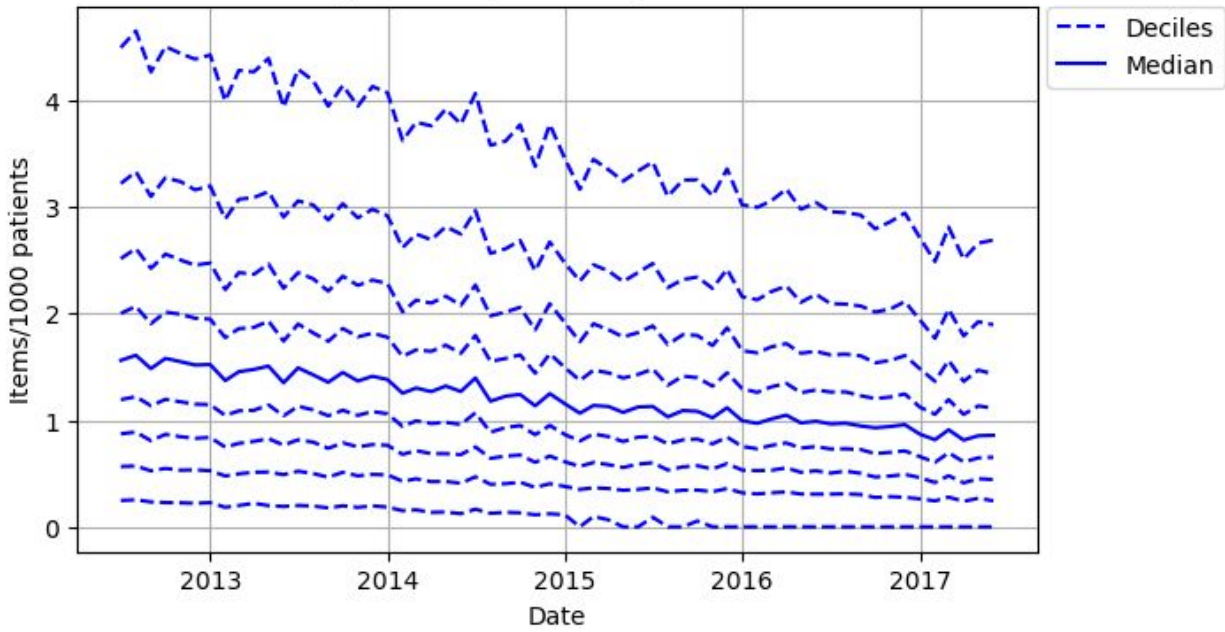
[Interactive map here](#)

Items per practice - distribution across practices

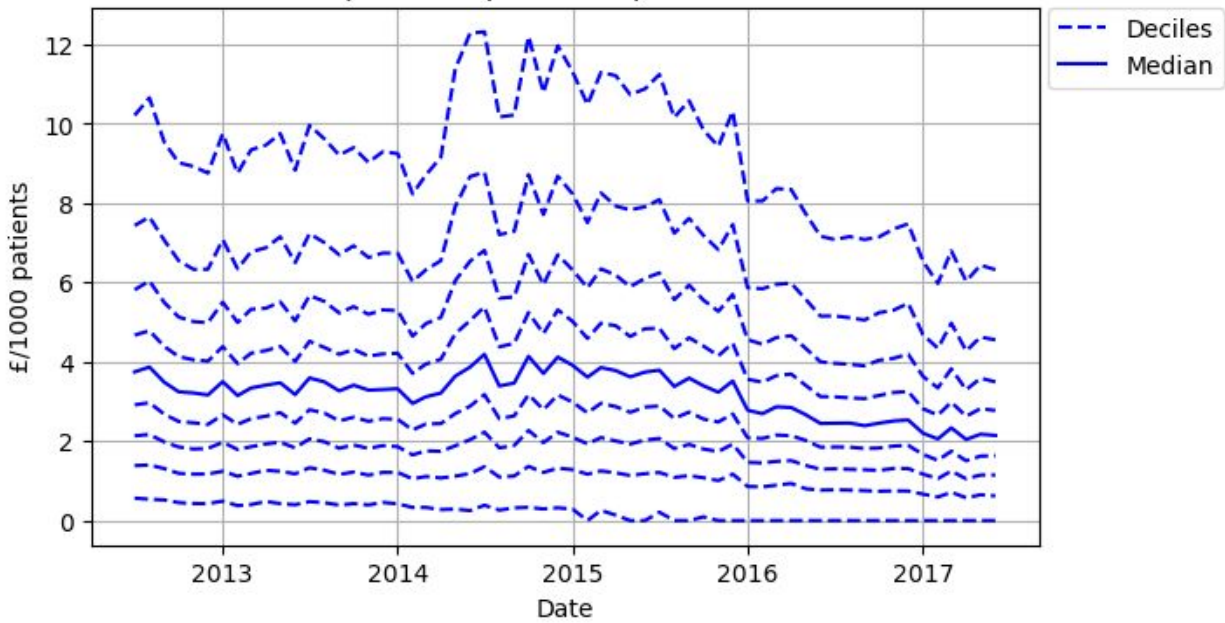


Number of practices prescribing zero items: 422

Items per 1000 patients - practice deciles

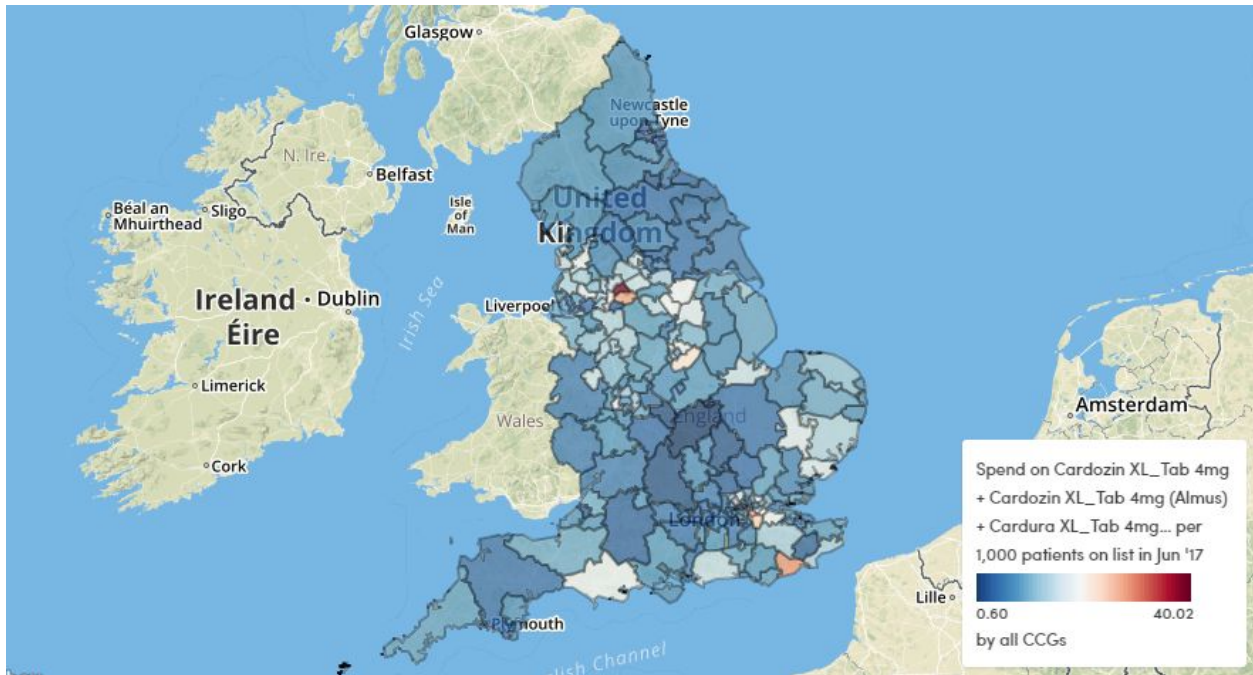


Cost per 1000 patients - practice deciles



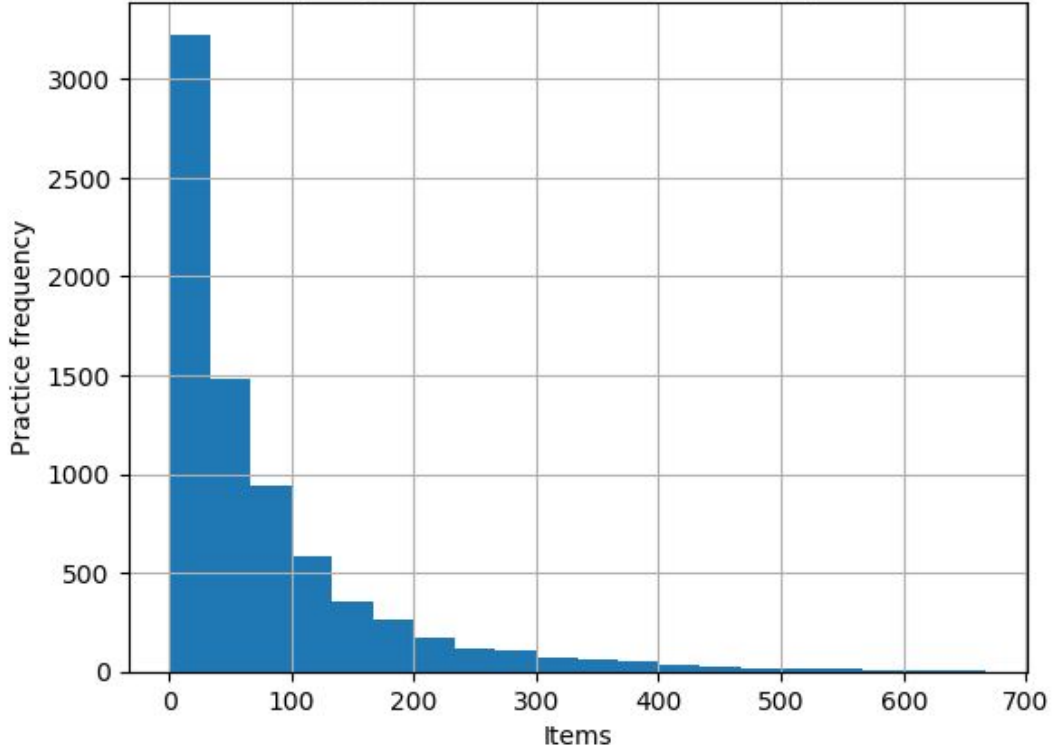
Doxazosin modified release

Variation in spending per thousand patients across CCGs in June 2017:



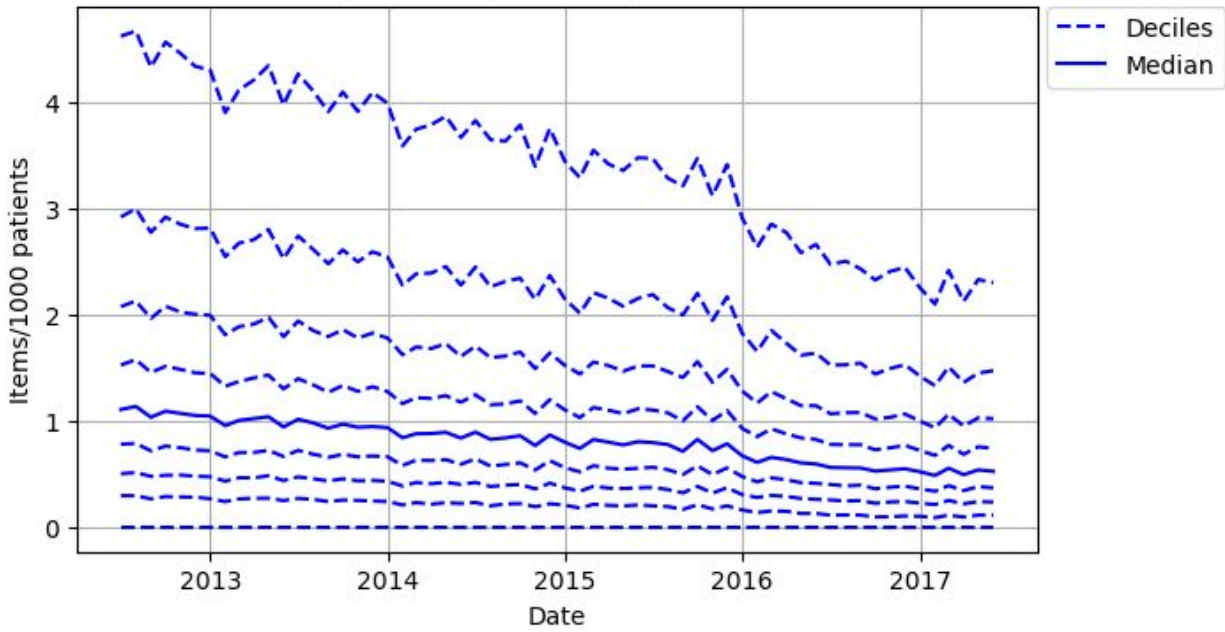
[Interactive map here](#)

Items per practice - distribution across practices

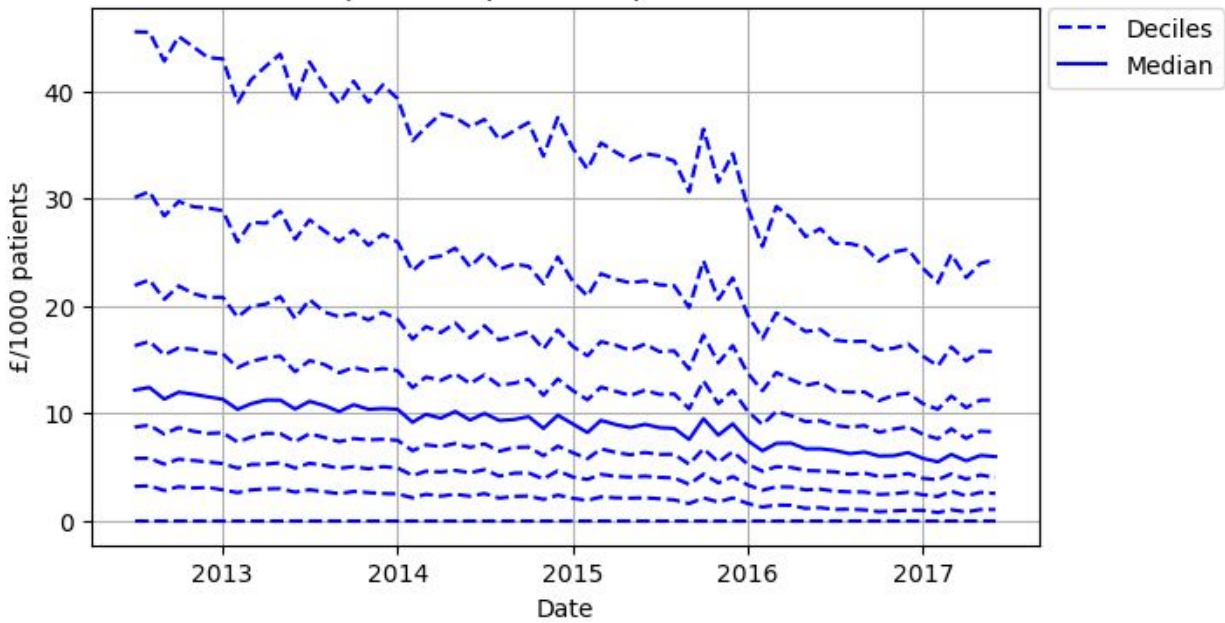


Number of practices prescribing zero items: 556

Items per 1000 patients - practice deciles

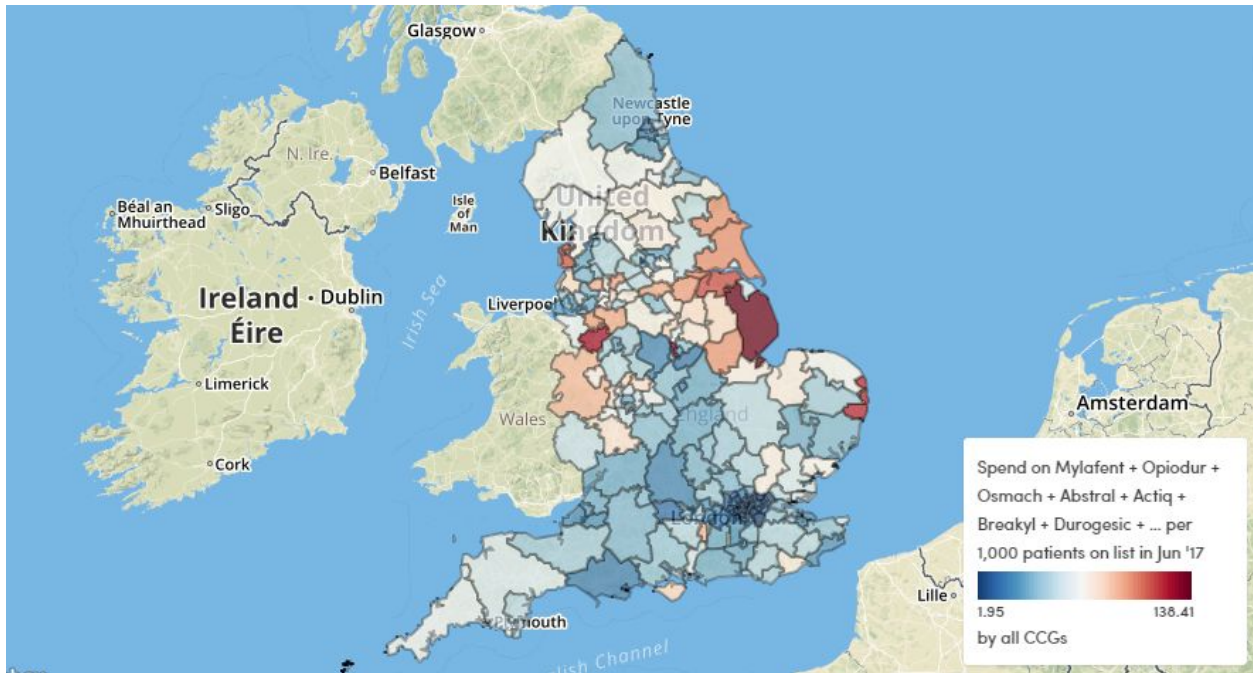


Cost per 1000 patients - practice deciles

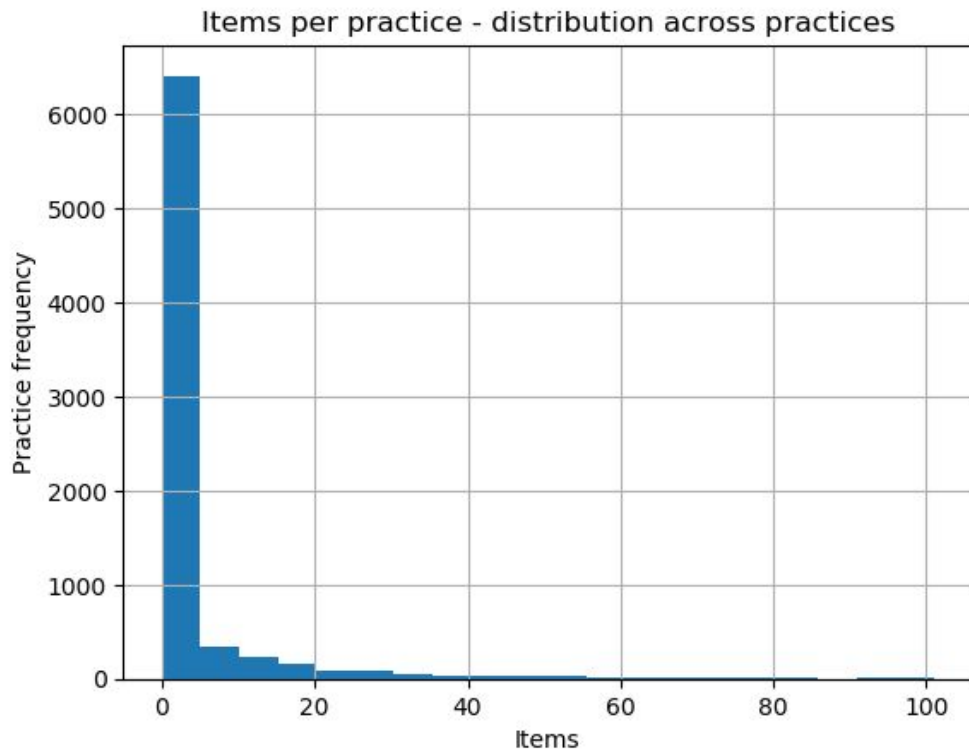


Fentanyl immediate release

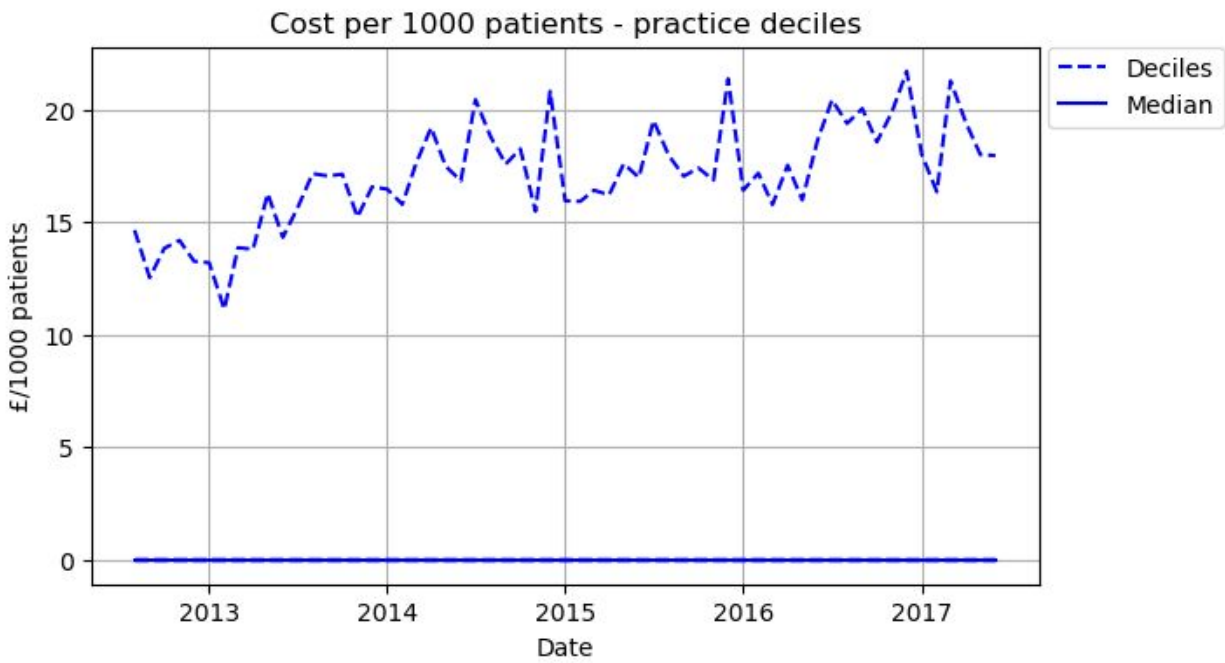
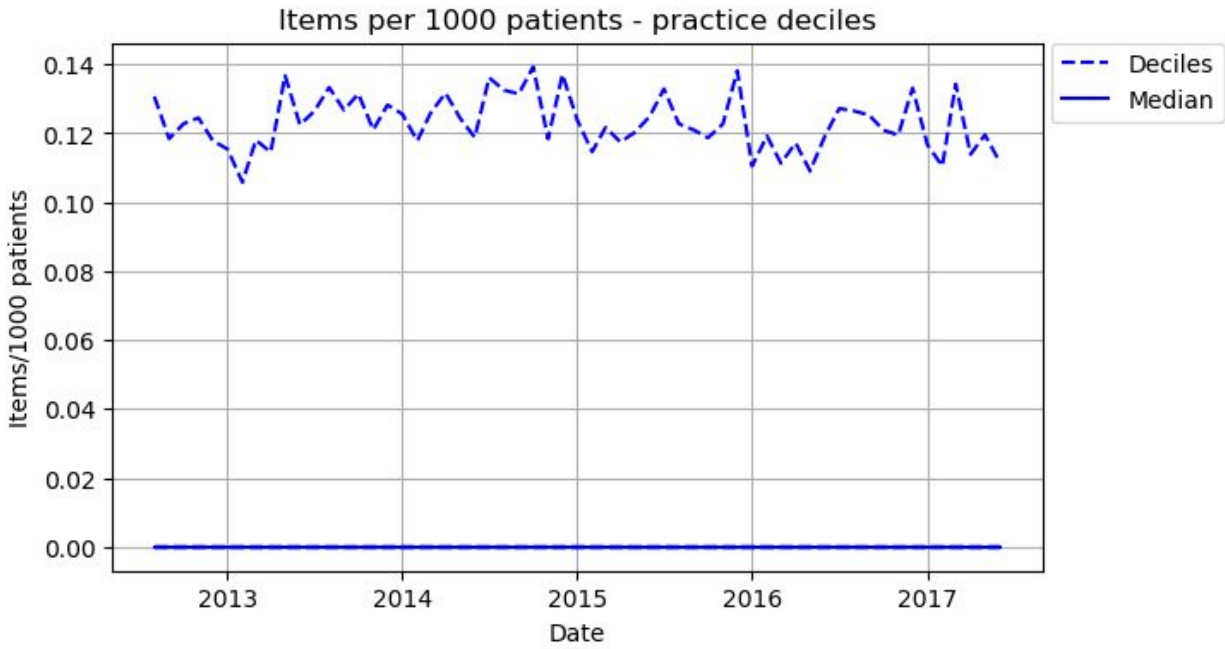
Variation in spending per thousand patients across CCGs in June 2017:



[Interactive map here](#)

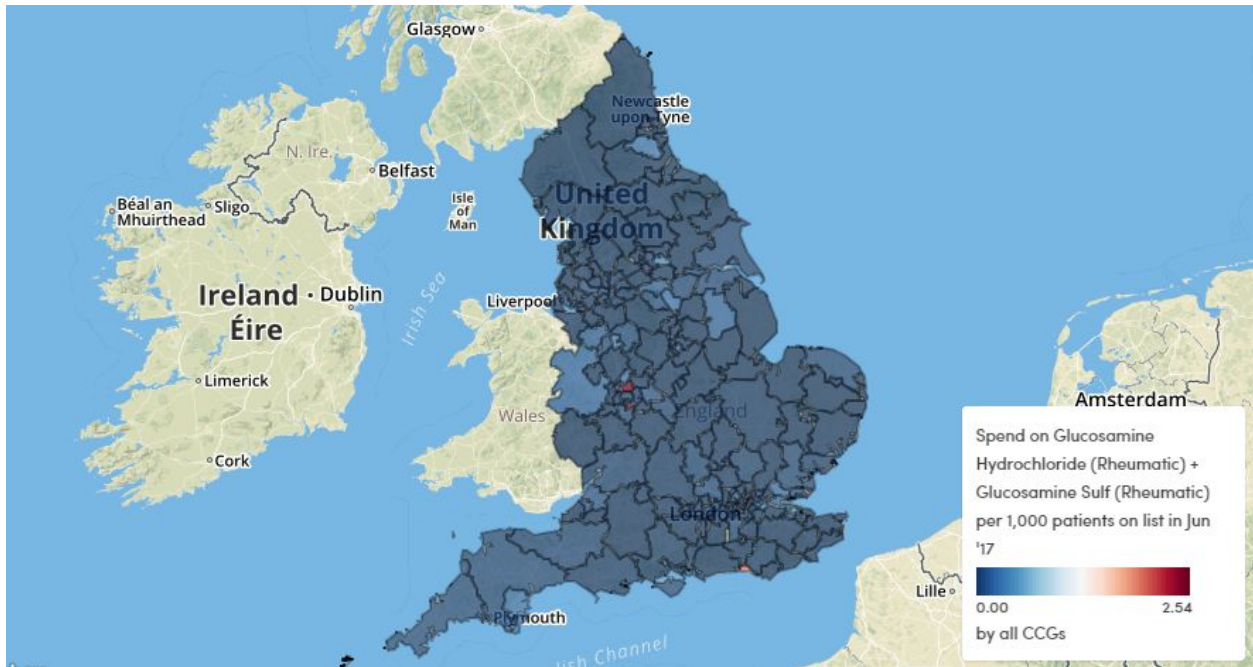


Number of practices prescribing zero items: 5296

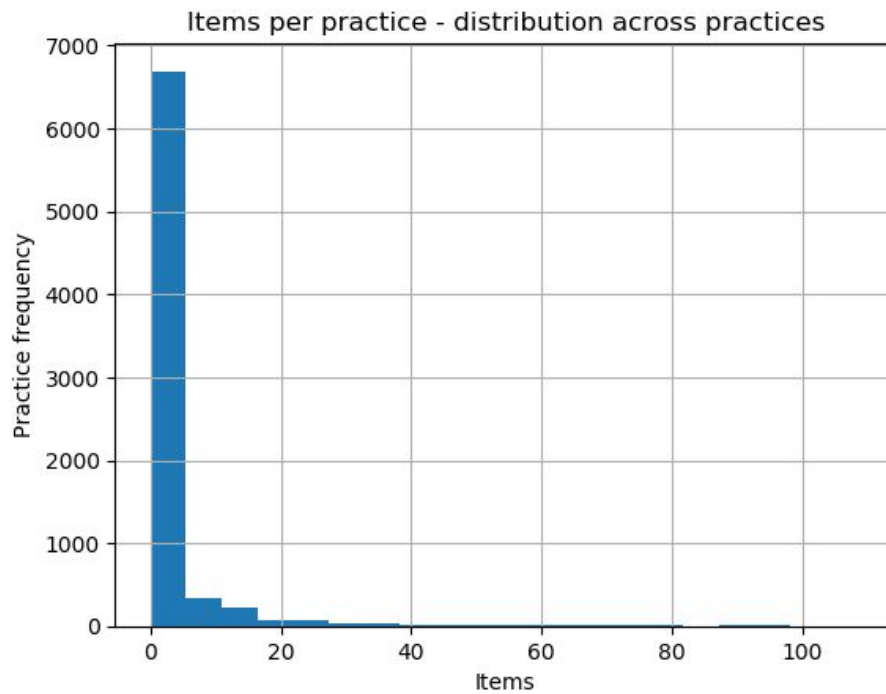


Glucosamine and chondroitin

Variation in spending per thousand patients across CCGs in June 2017:

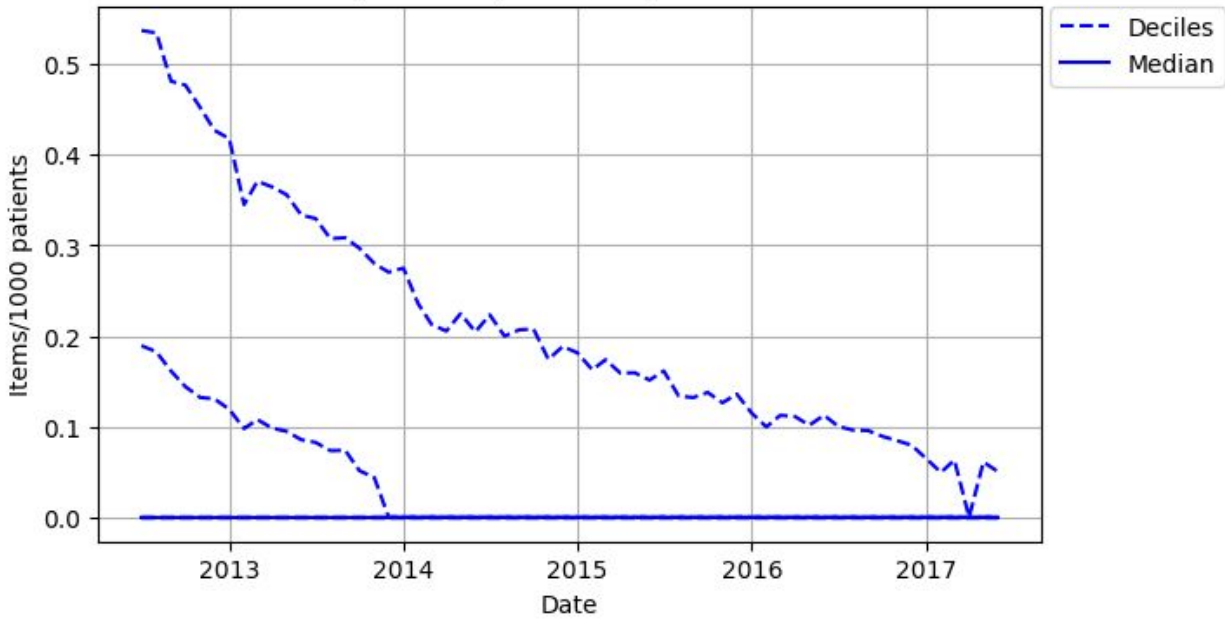


[Interactive map here](#) – this map does not include all relevant products due to web site limitations (though the below charts do)

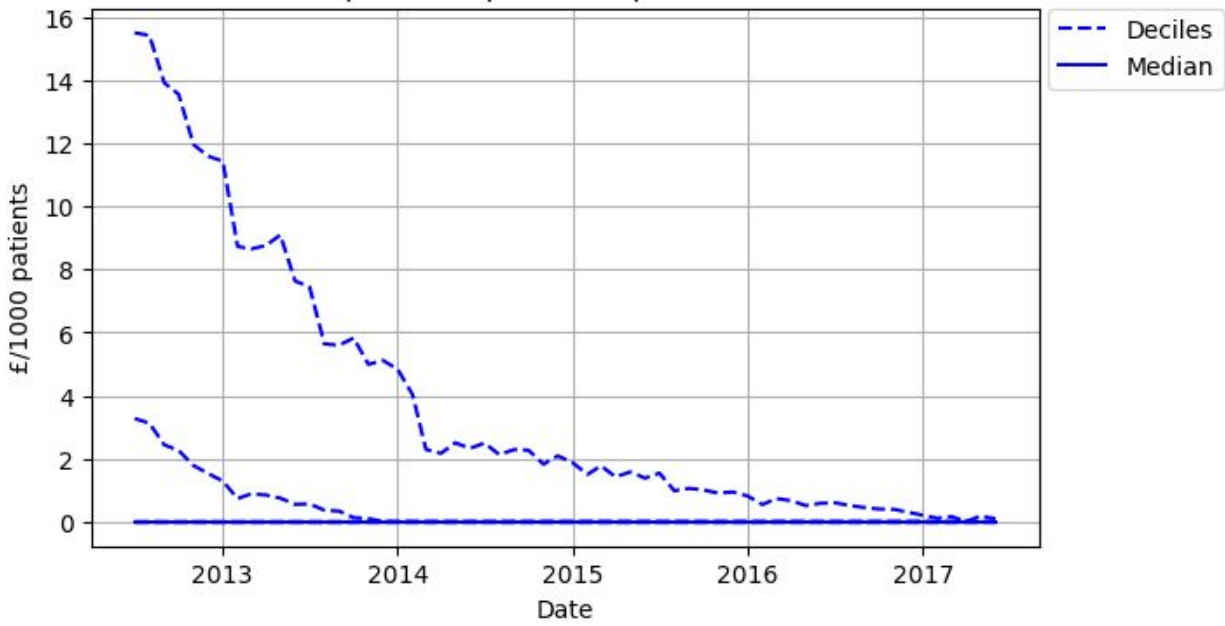


Number of practices prescribing zero items: 5845

Items per 1000 patients - practice deciles

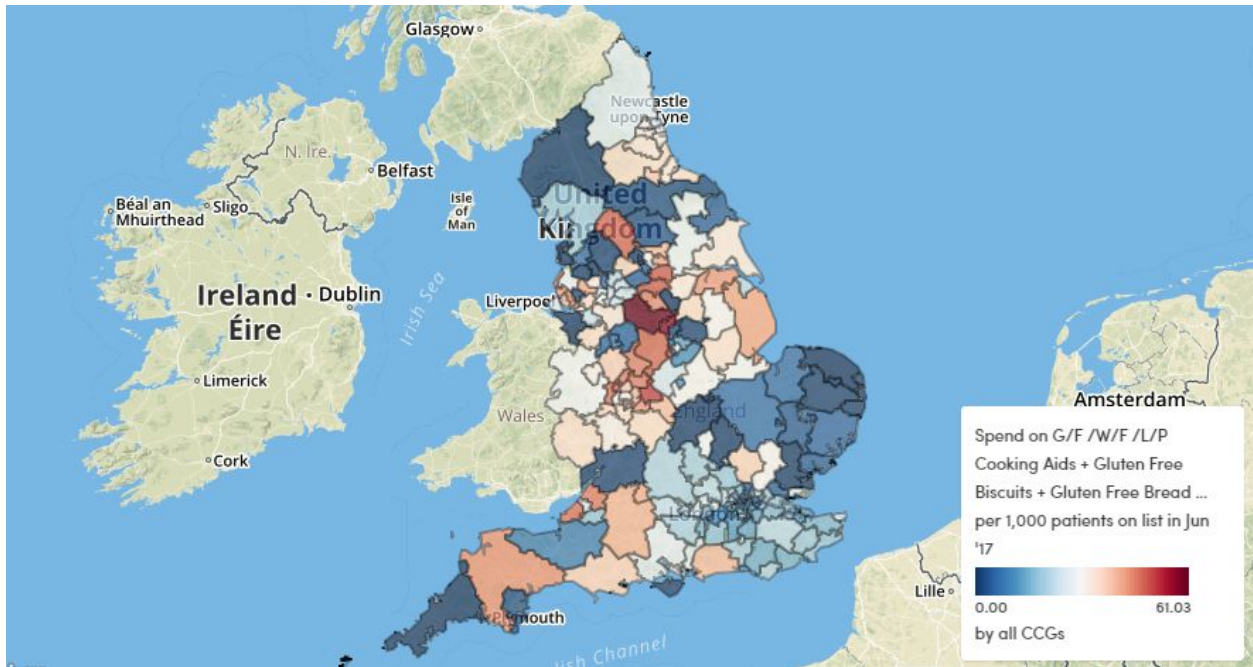


Cost per 1000 patients - practice deciles



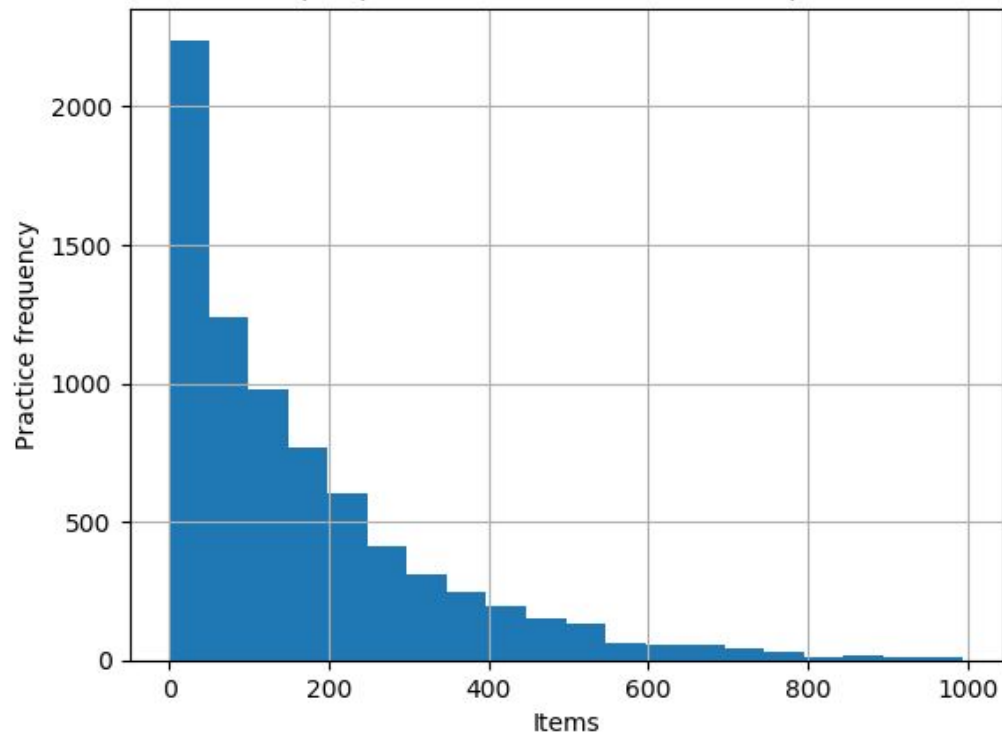
Gluten free products

Variation in spending per thousand patients across CCGs in June 2017:



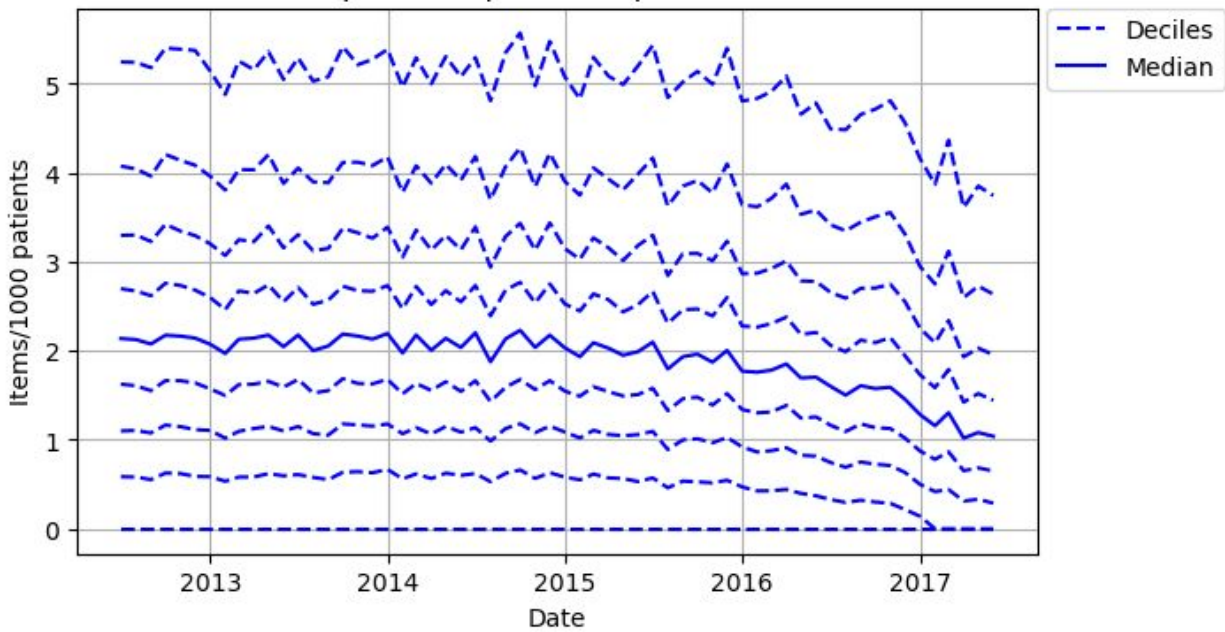
[Interactive map here](#)

Items per practice - distribution across practices

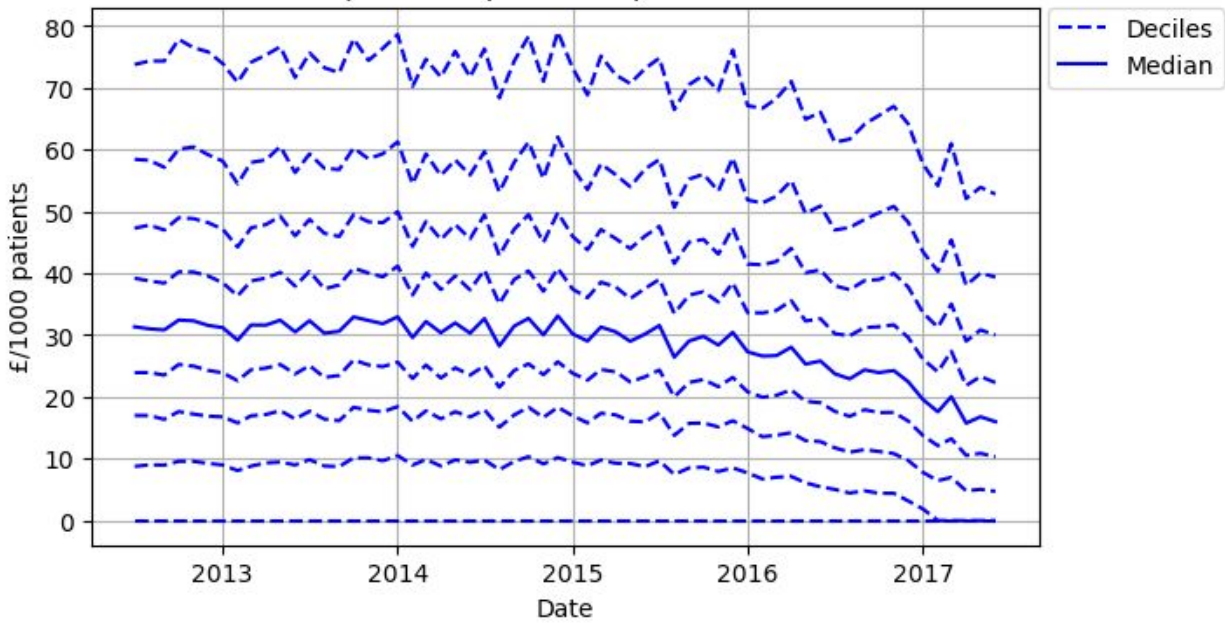


Number of practices prescribing zero items: 605

Items per 1000 patients - practice deciles

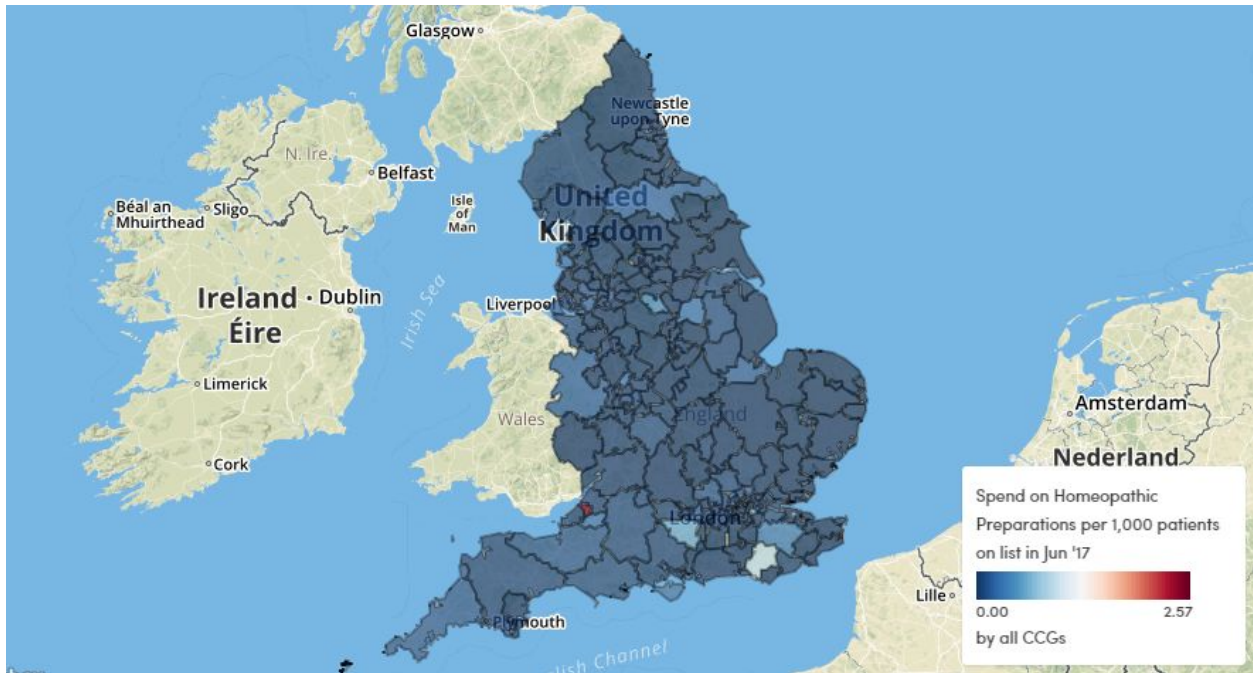


Cost per 1000 patients - practice deciles

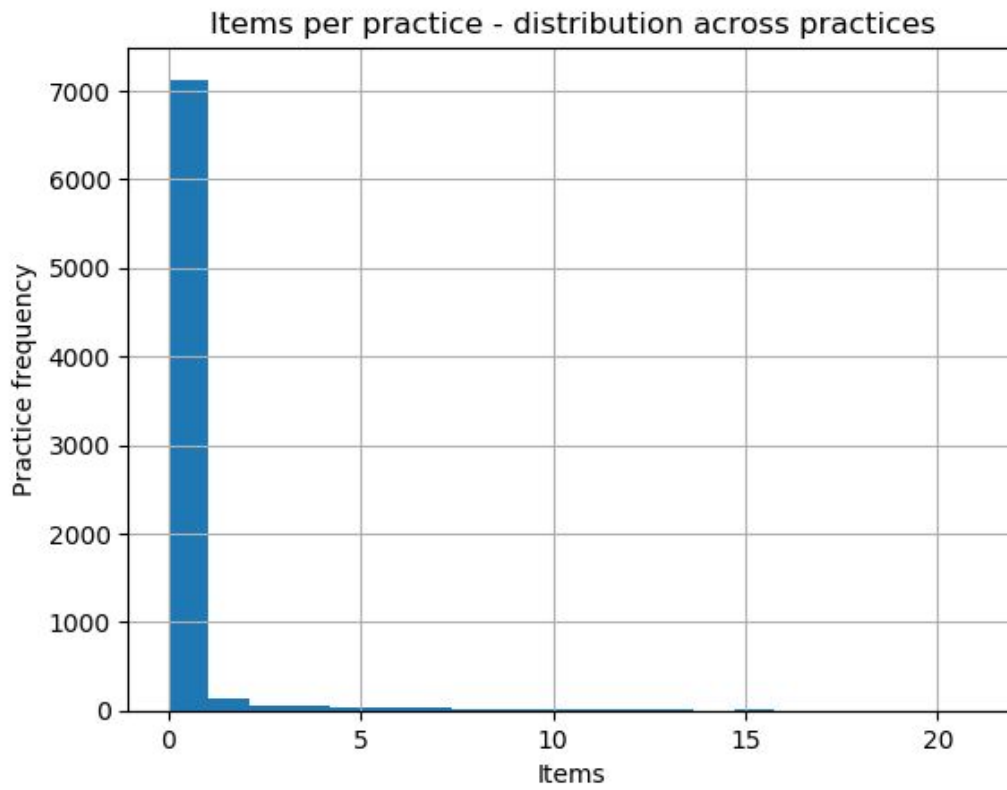


Homeopathy

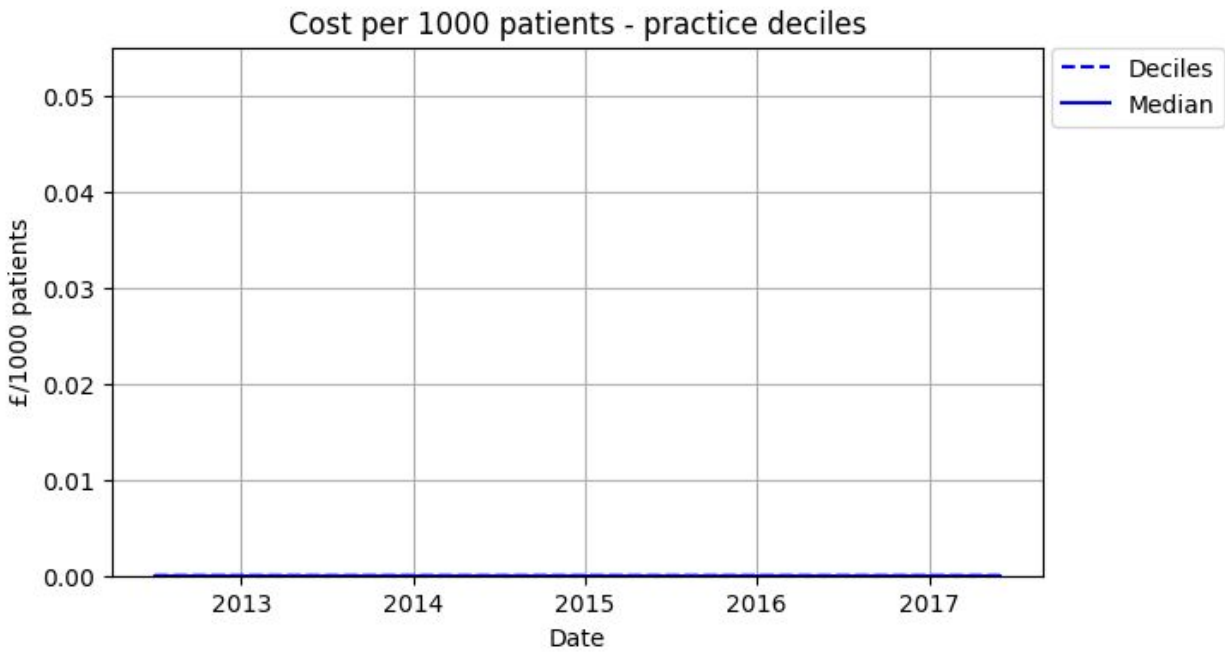
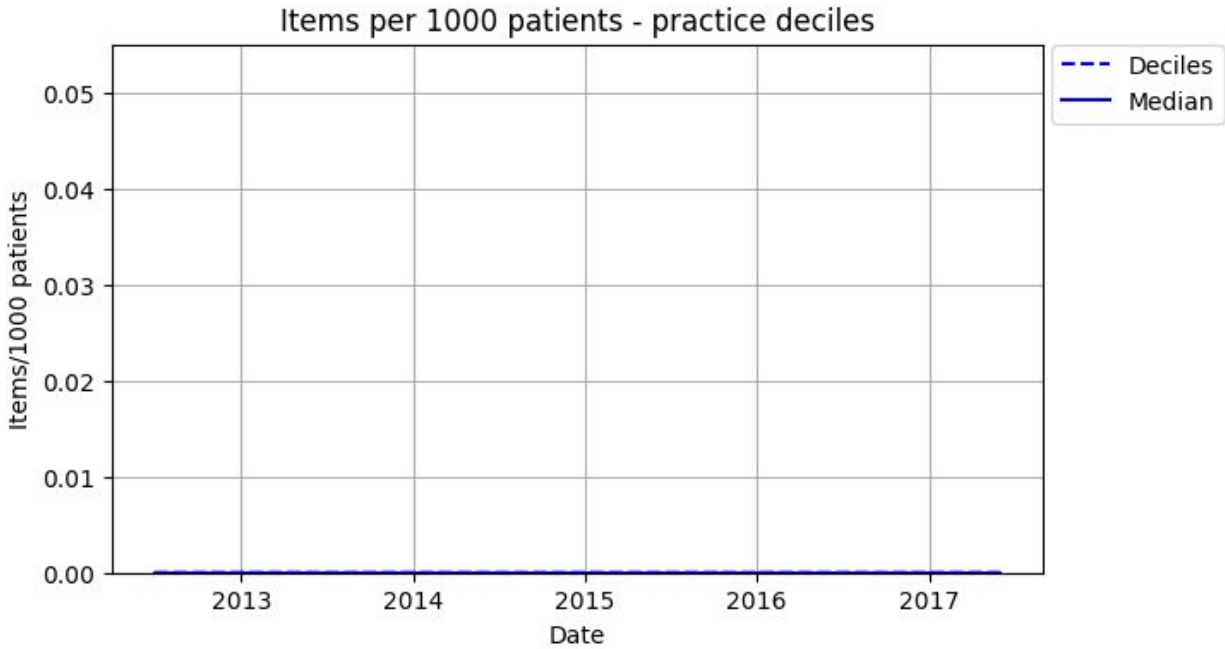
Variation in spending per thousand patients across CCGs in June 2017:



[Interactive map here](#)



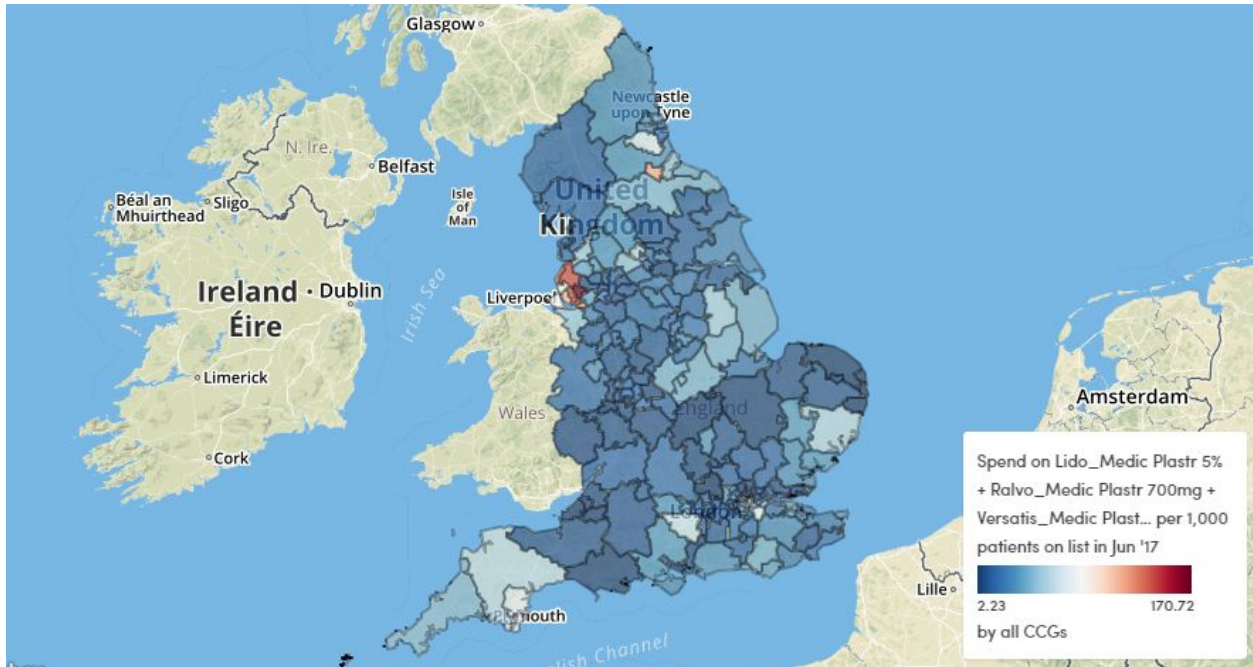
Number of practices prescribing zero items: 6639



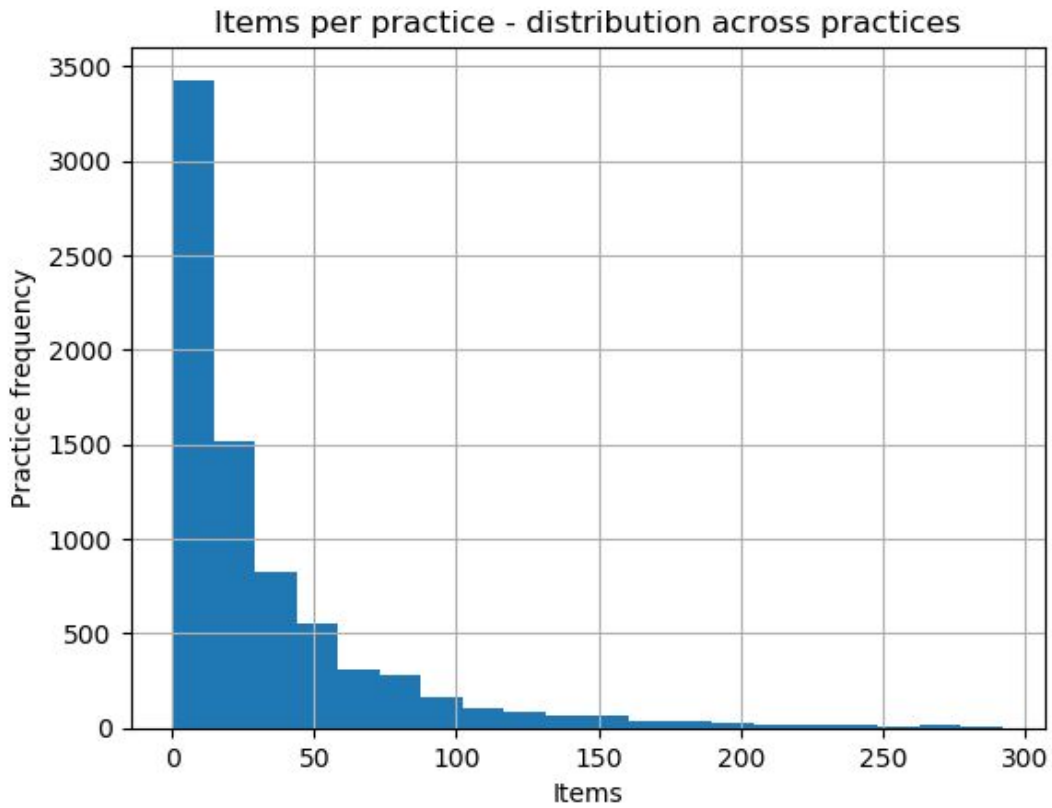
*the deciles here remain at zero, as less than 10% of practices prescribe homeopathic preparations in any given month.

Lidocaine plasters

Variation in spending per thousand patients across CCGs in June 2017:

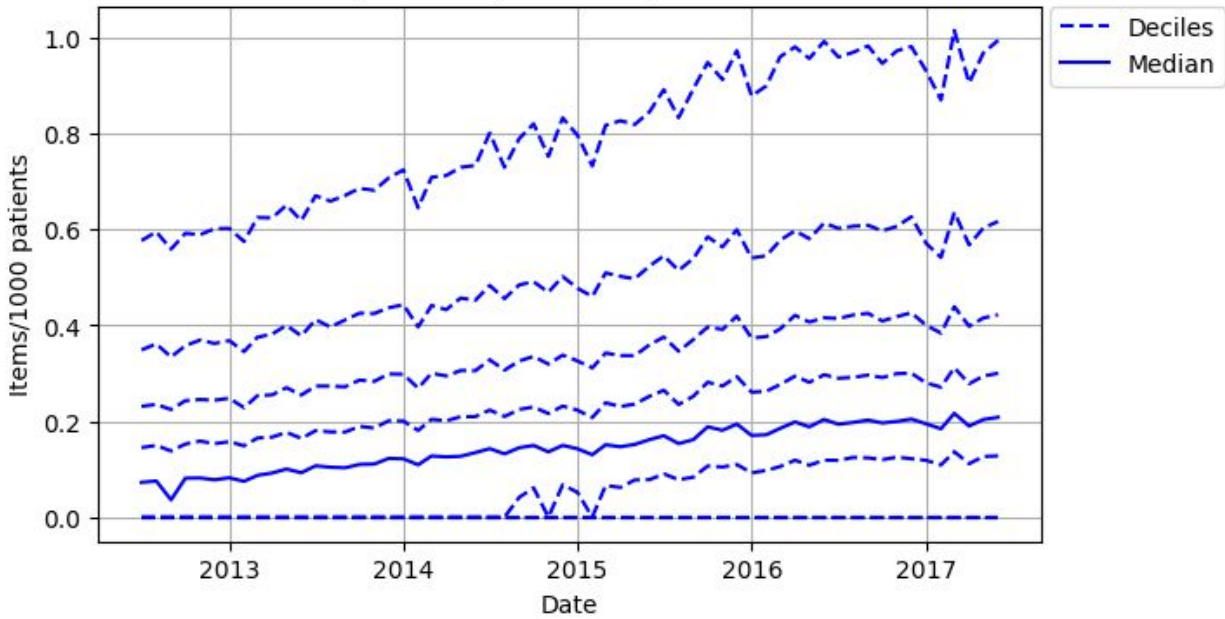


[Interactive map here](#)

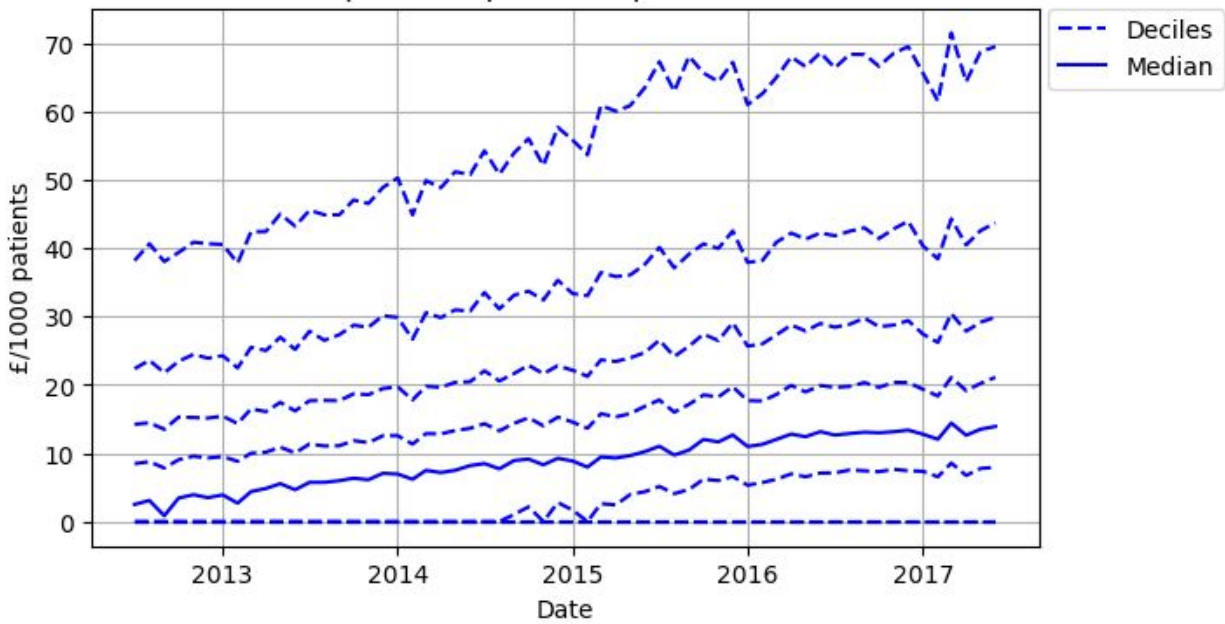


Number of practices prescribing zero items: 810

Items per 1000 patients - practice deciles

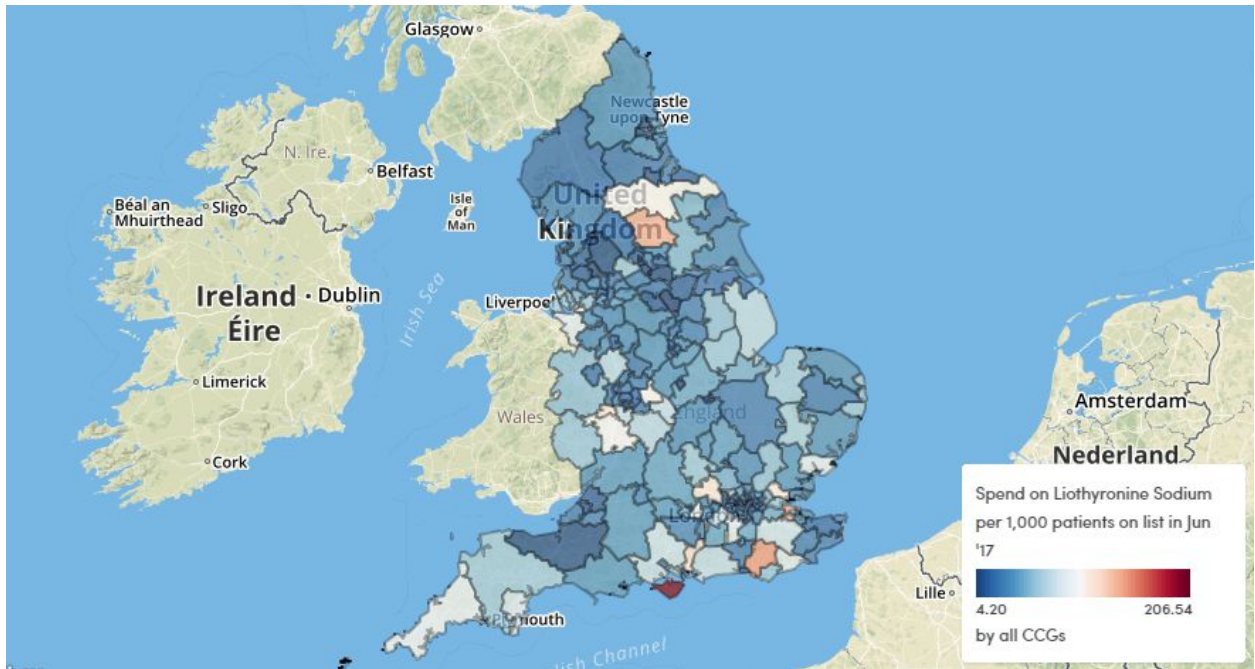


Cost per 1000 patients - practice deciles

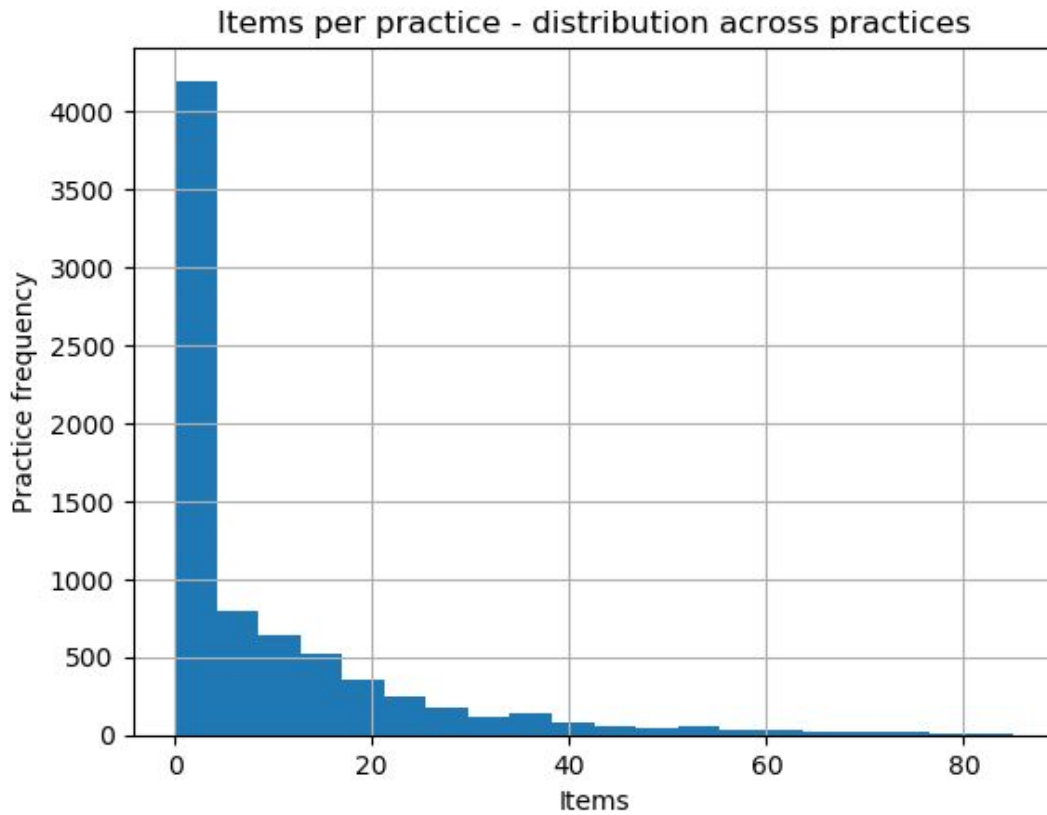


Liothyronine

Variation in spending per thousand patients across CCGs in June 2017:

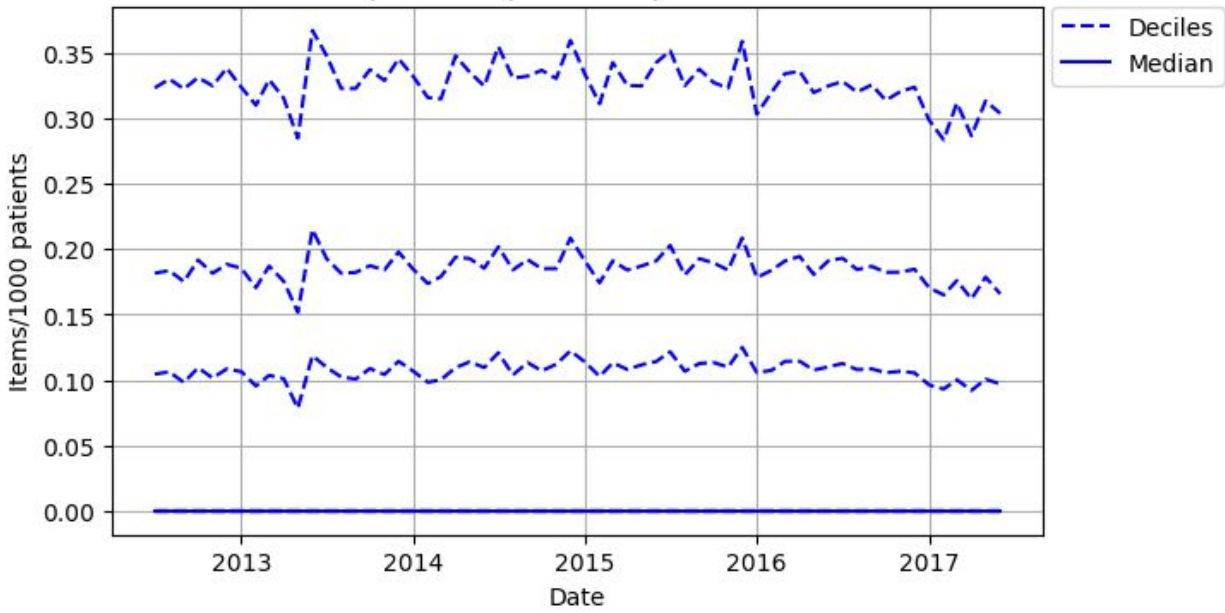


[Interactive map here](#)



Number of practices prescribing zero items: 3426

Items per 1000 patients - practice deciles

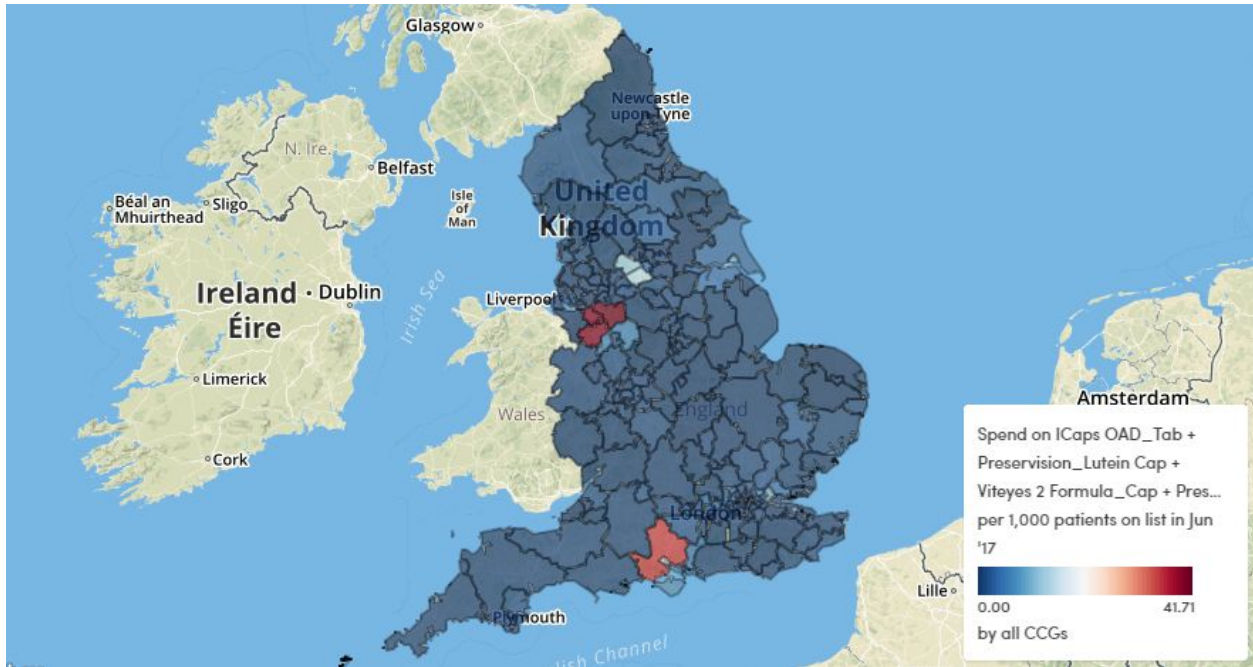


Cost per 1000 patients - practice deciles

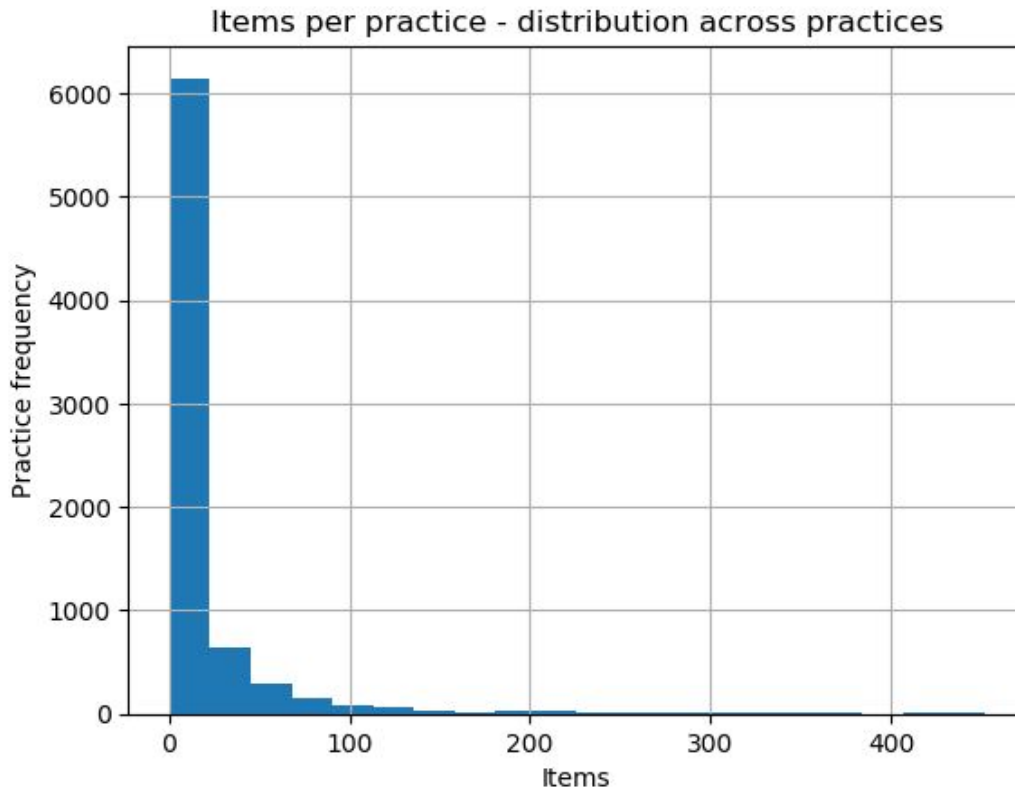


Lutein and antioxidants

Variation in spending per thousand patients across CCGs in June 2017:

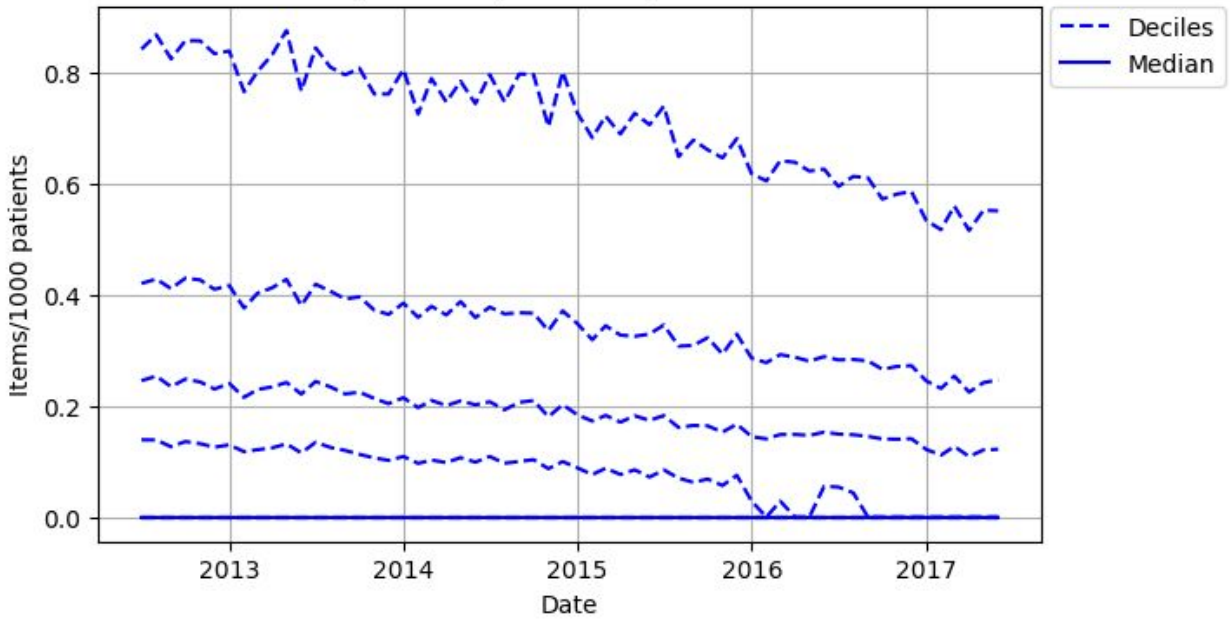


[Interactive map here](#)



Number of practices prescribing zero items: 3382

Items per 1000 patients - practice deciles

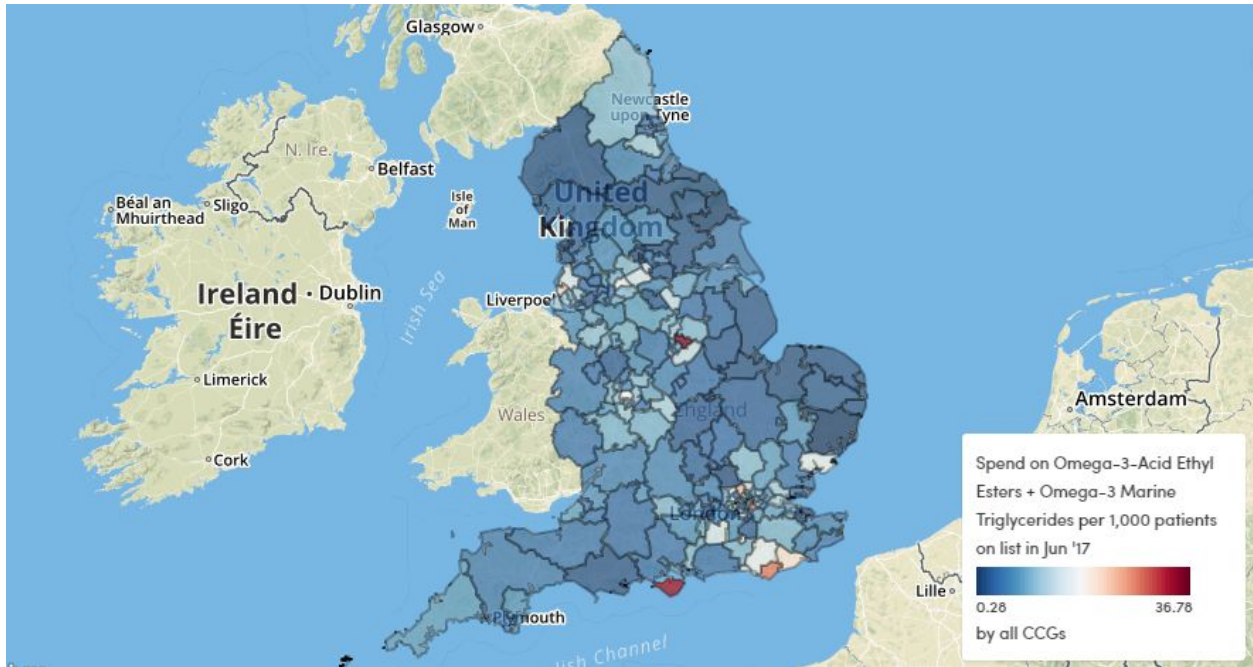


Cost per 1000 patients - practice deciles

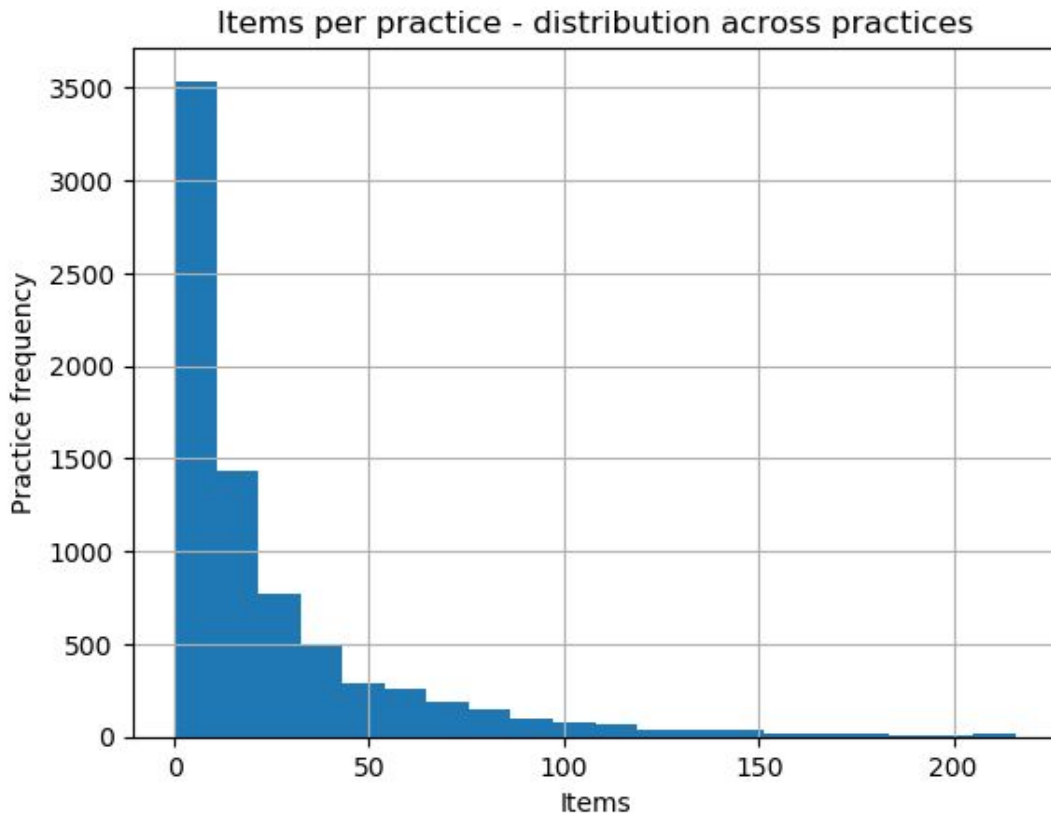


Omega-3 fatty acid compounds

Variation in spending per thousand patients across CCGs in June 2017:

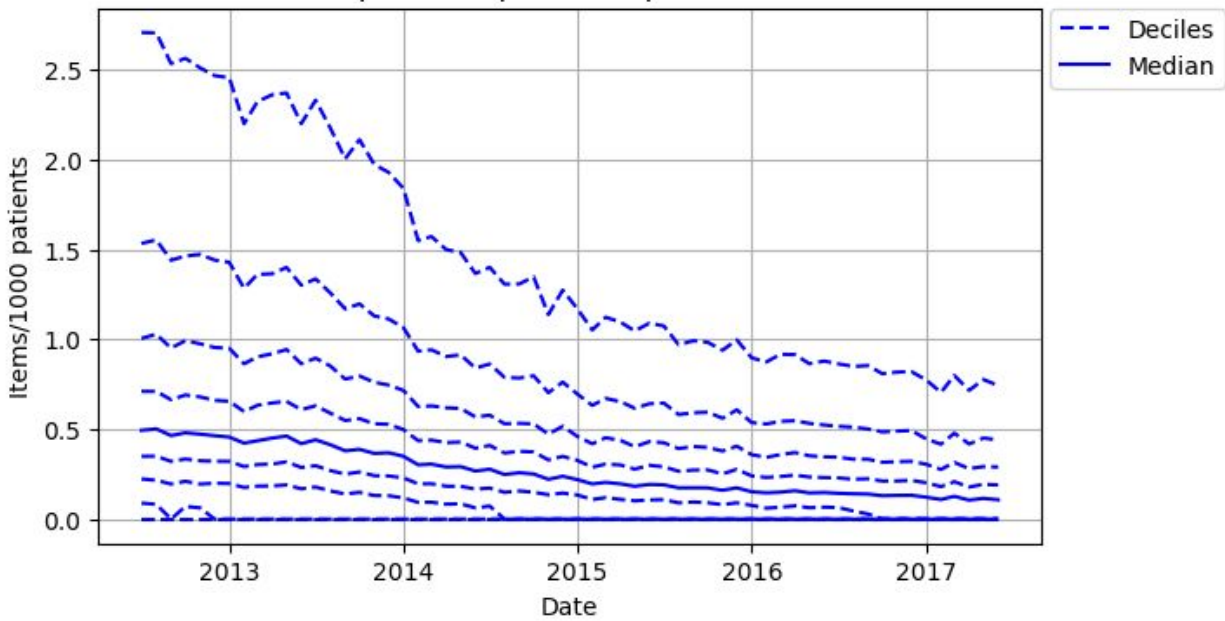


[Interactive map here](#)

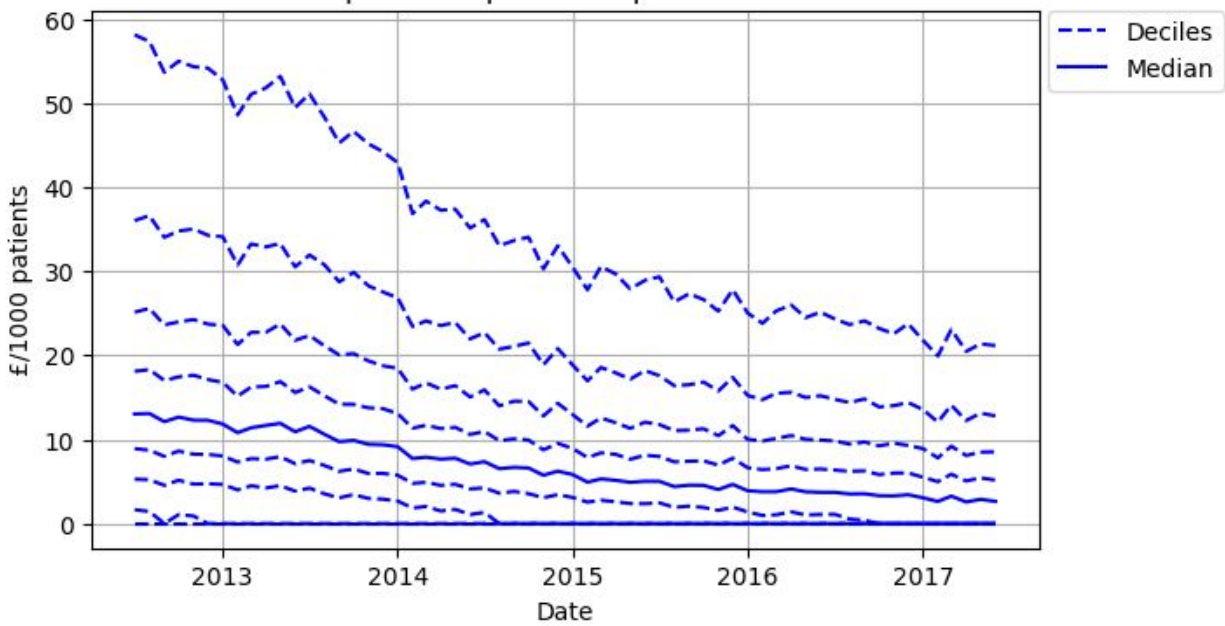


Number of practices prescribing zero items: 1923

Items per 1000 patients - practice deciles

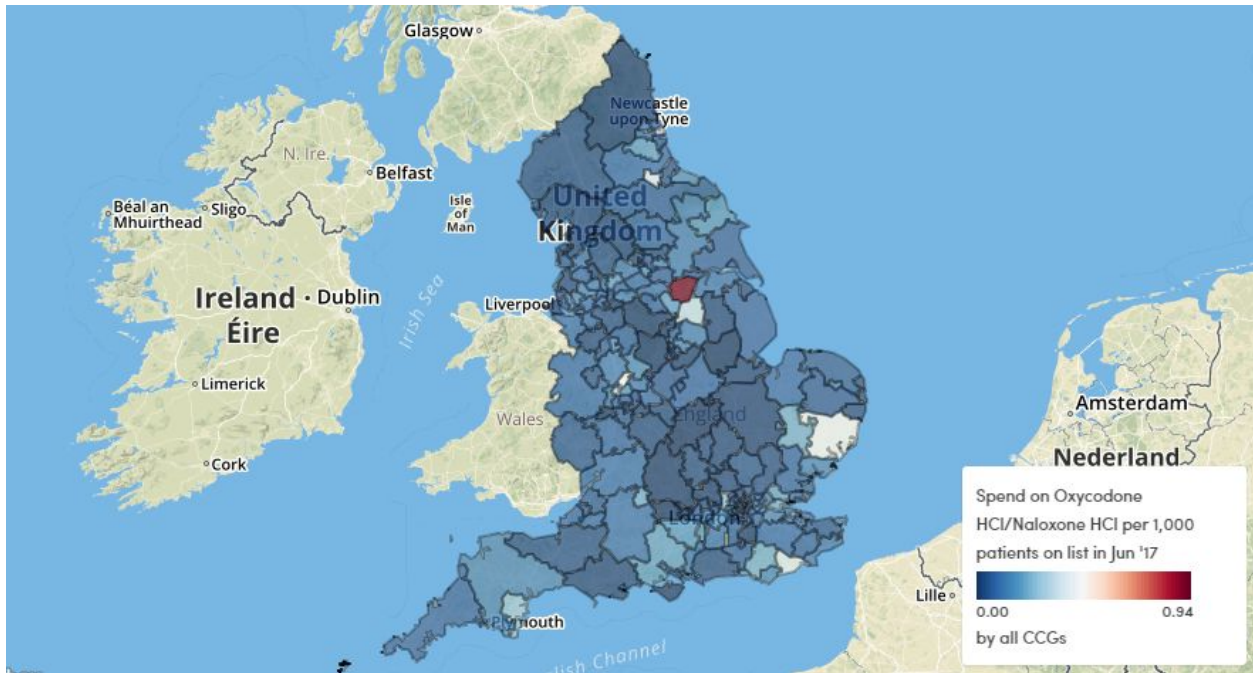


Cost per 1000 patients - practice deciles



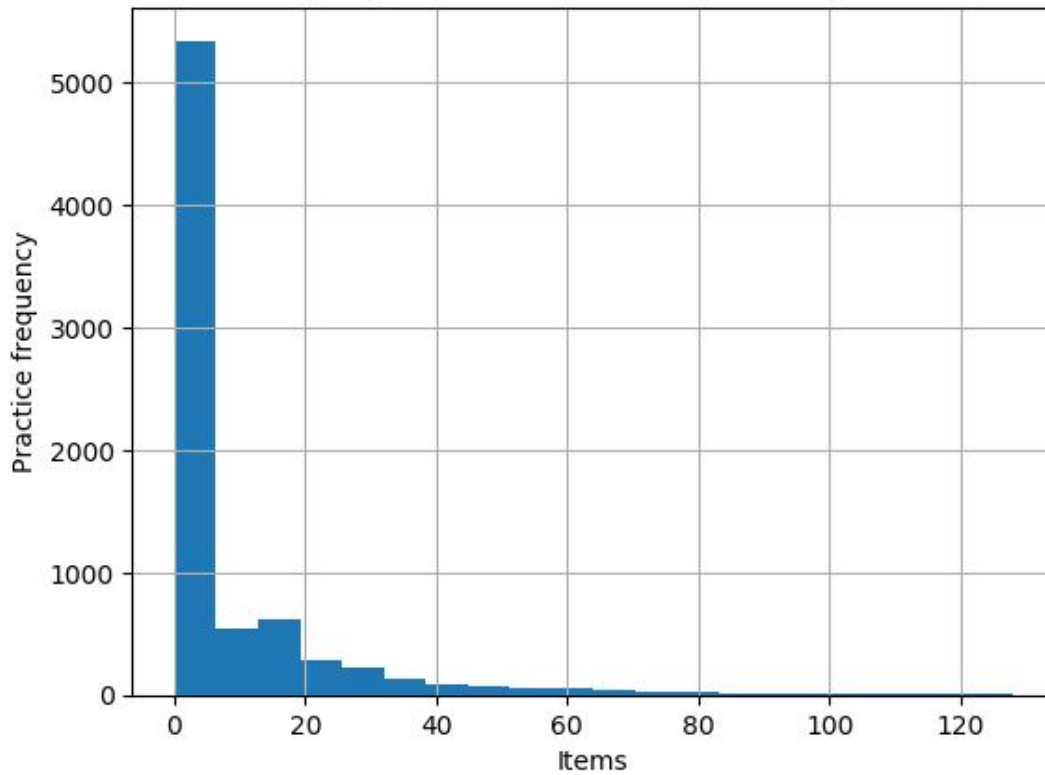
Oxycodone and naloxone combination product

Variation in spending per thousand patients across CCGs in June 2017:

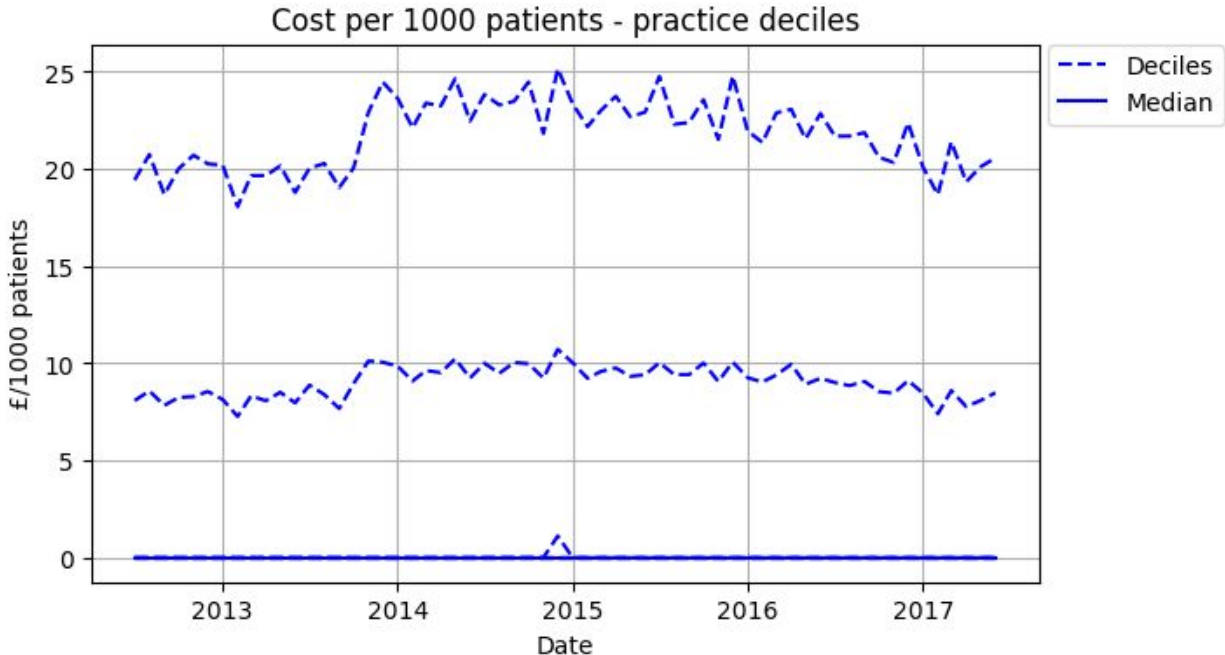
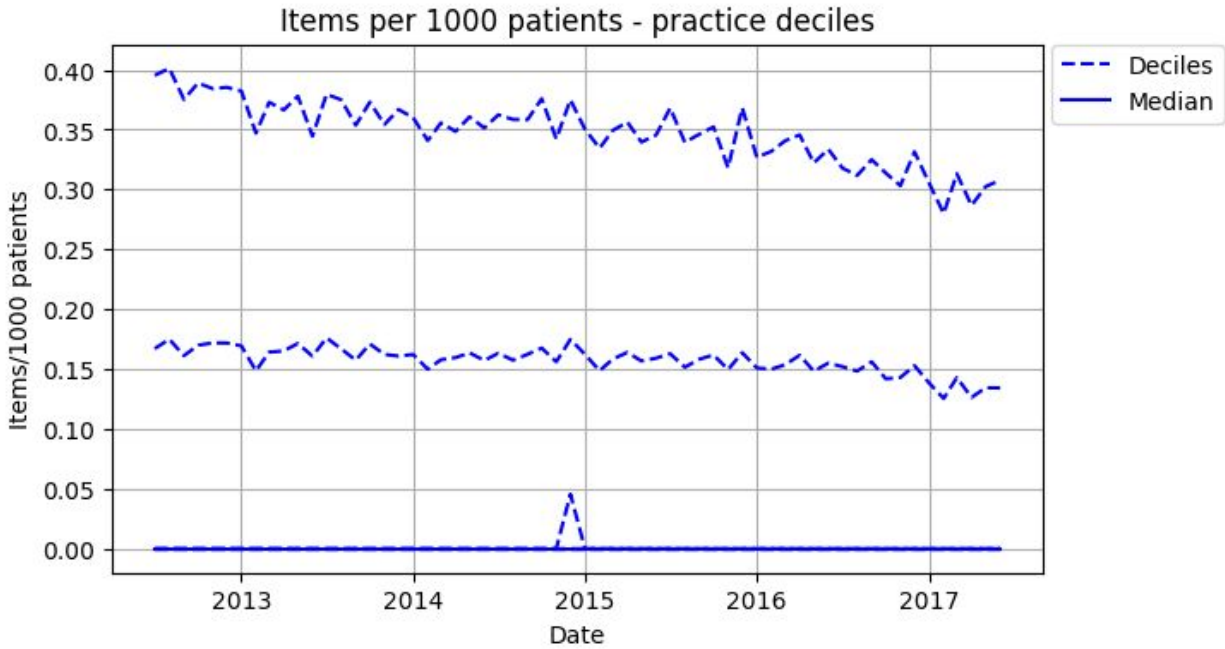


[Interactive map here](#)

Items per practice - distribution across practices

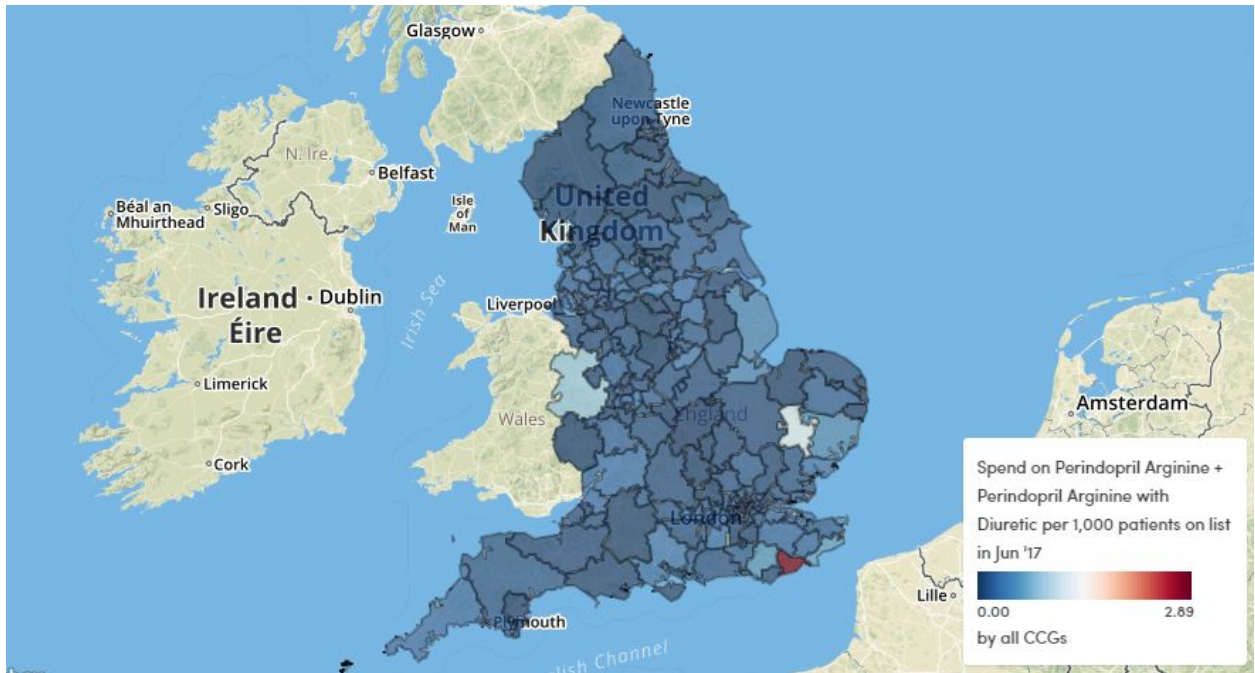


Number of practices prescribing zero items: 4417



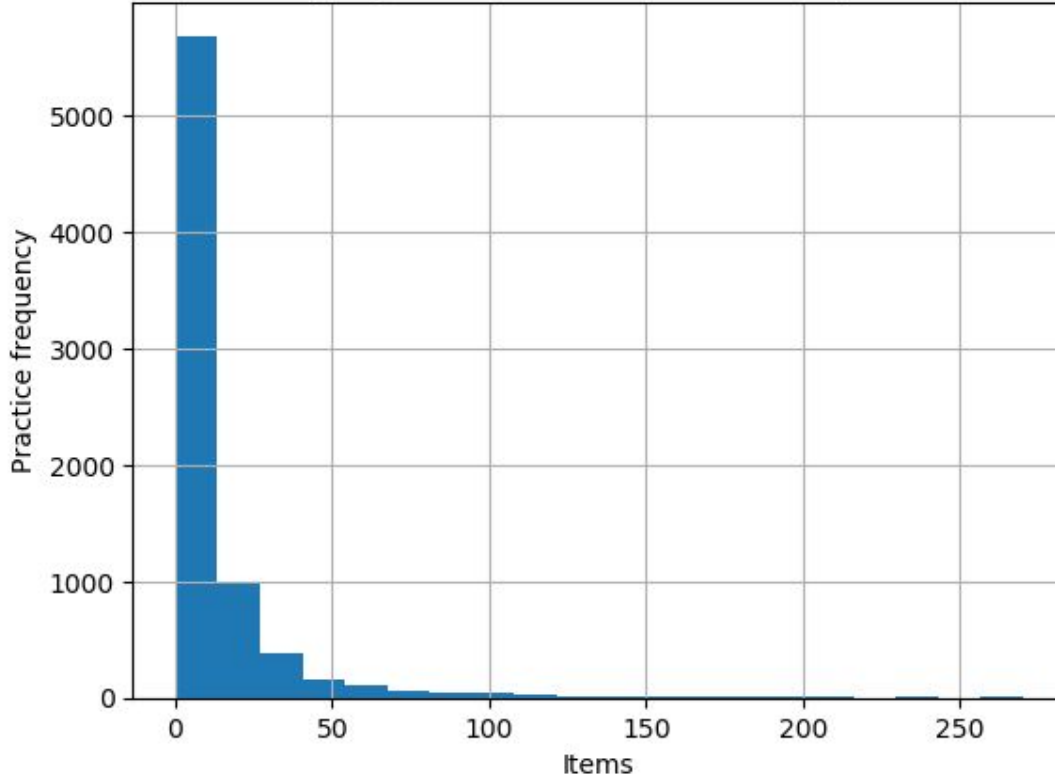
Perindopril arginine

Variation in spending per thousand patients across CCGs in June 2017:



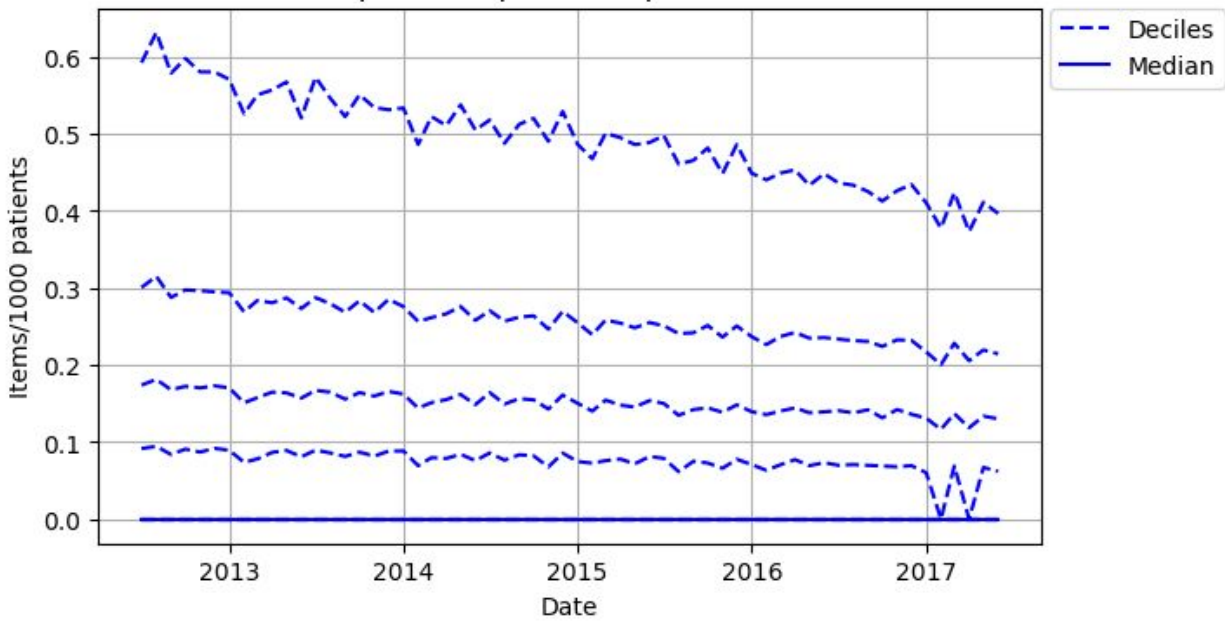
[Interactive map here](#)

Items per practice - distribution across practices

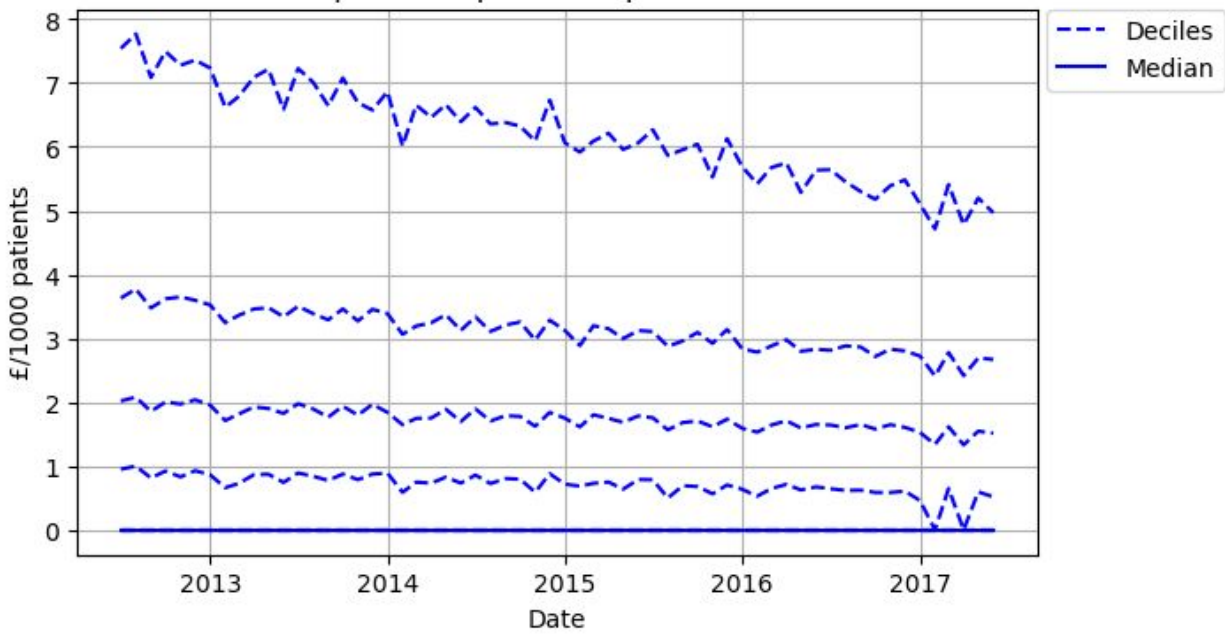


Number of practices prescribing zero items: 3025

Items per 1000 patients - practice deciles

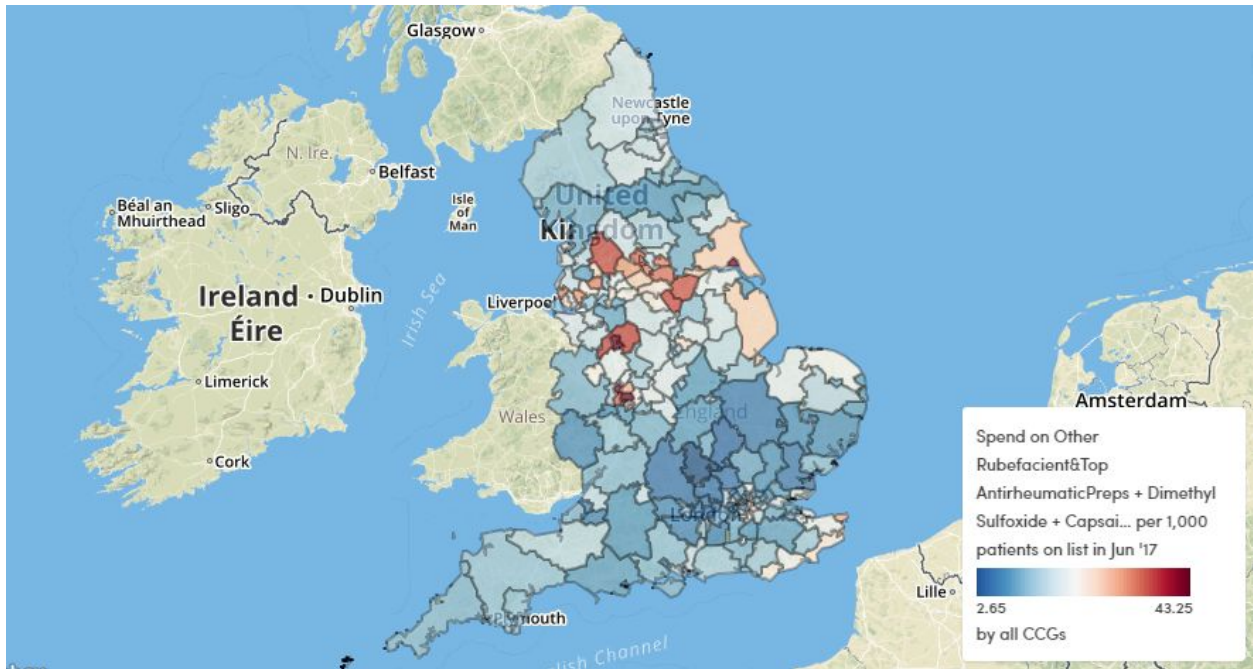


Cost per 1000 patients - practice deciles



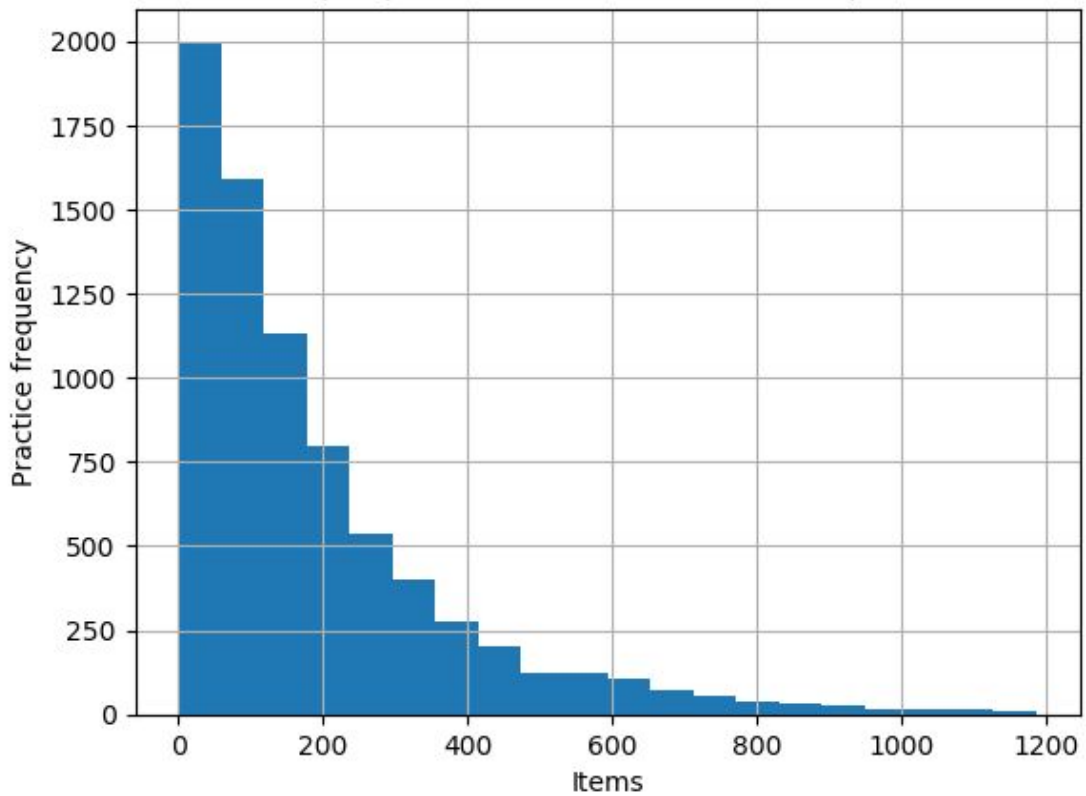
Rubefaciants

Variation in spending per thousand patients across CCGs in June 2017:

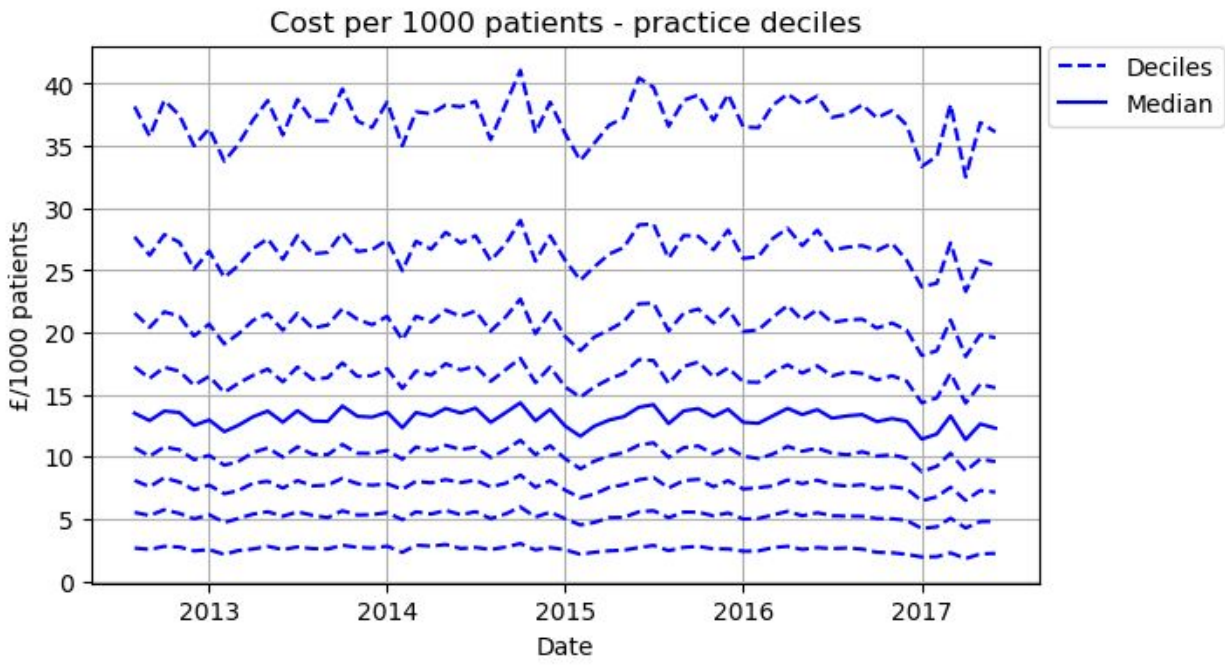
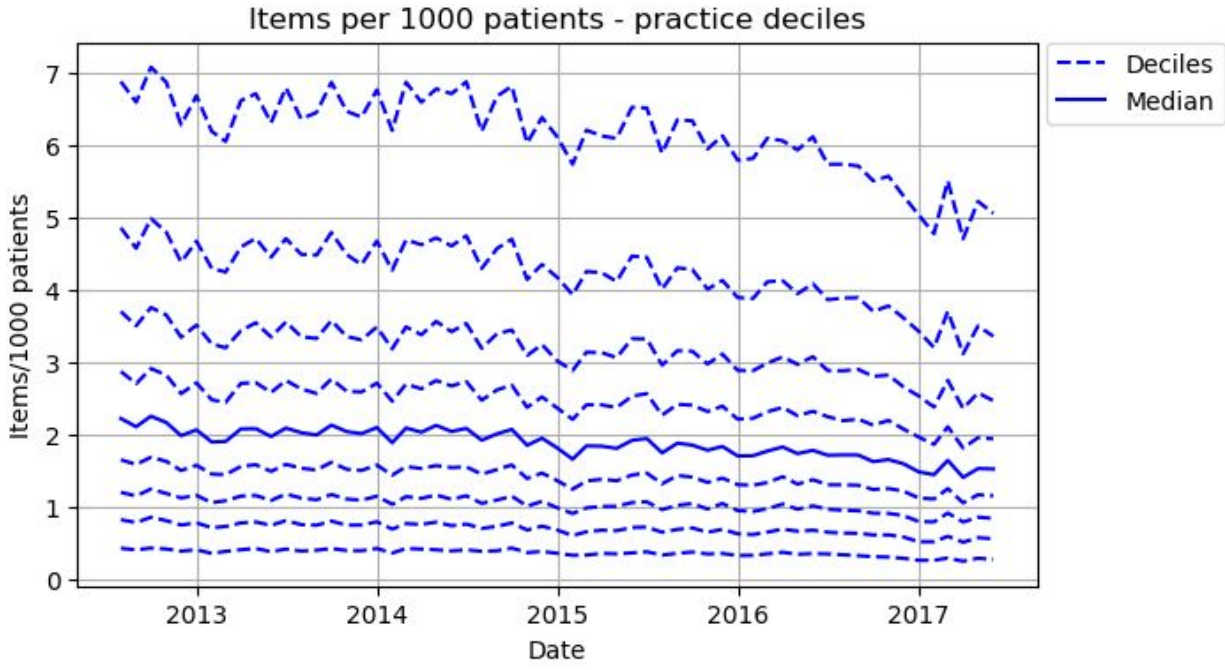


[Interactive map here](#)

Items per practice - distribution across practices

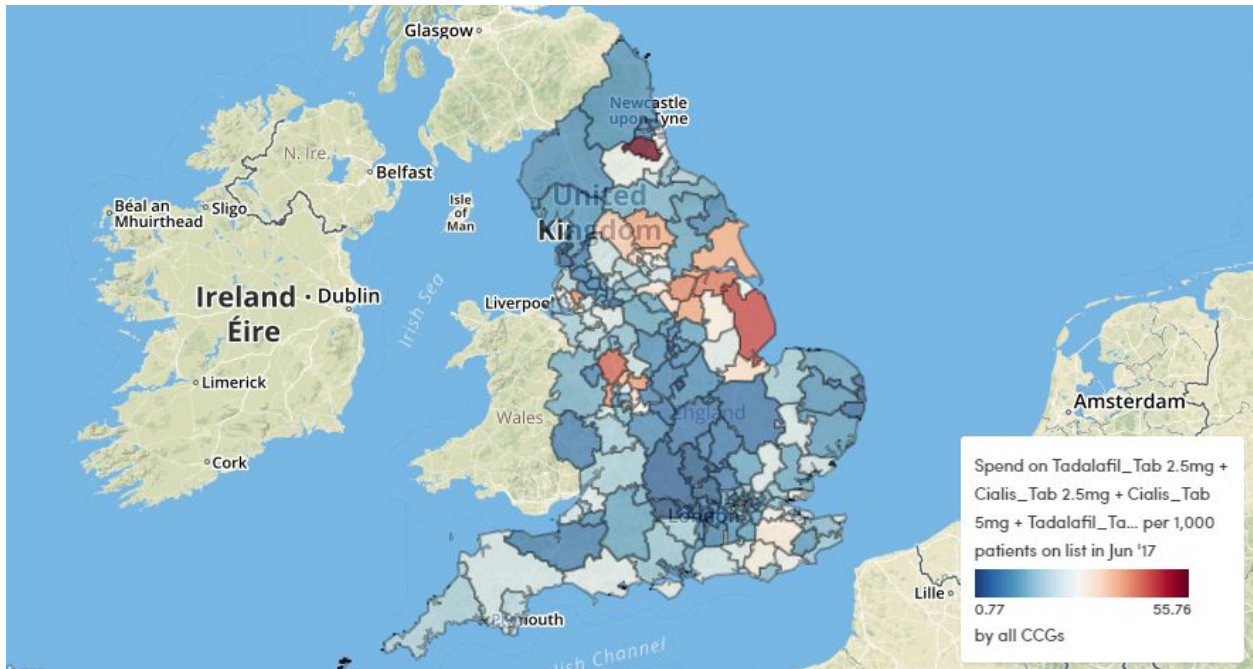


Number of practices prescribing zero items: 72

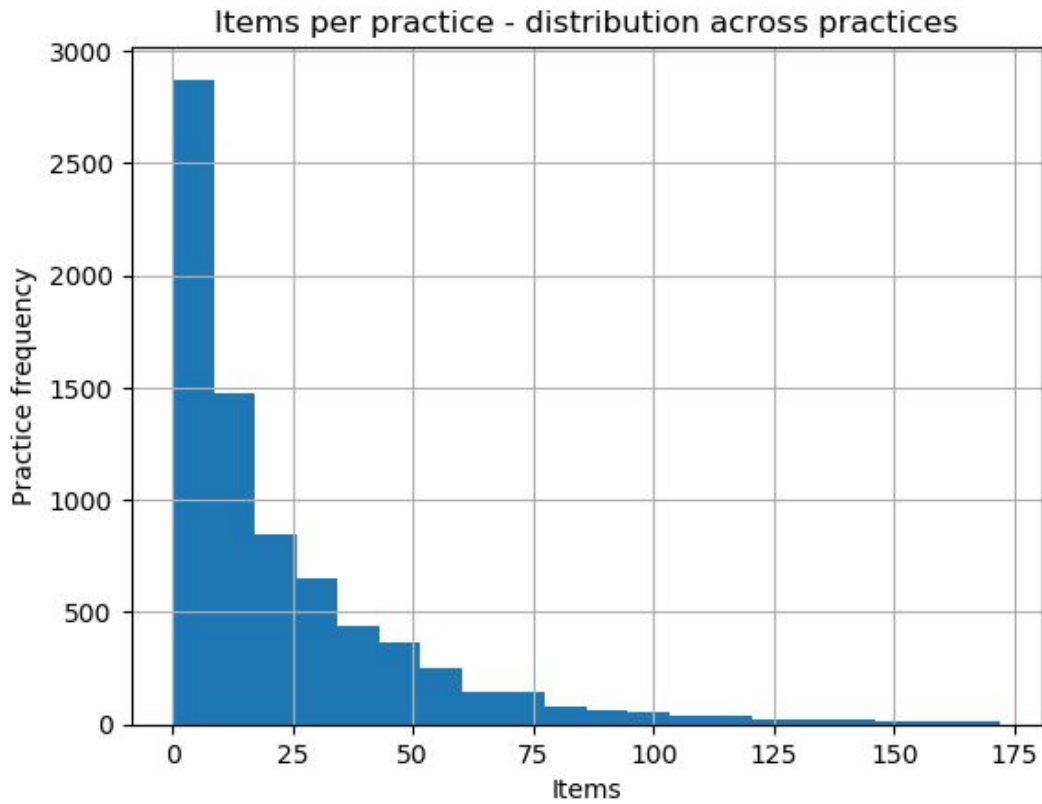


Tadalafil once daily

Variation in spending per thousand patients across CCGs in June 2017:

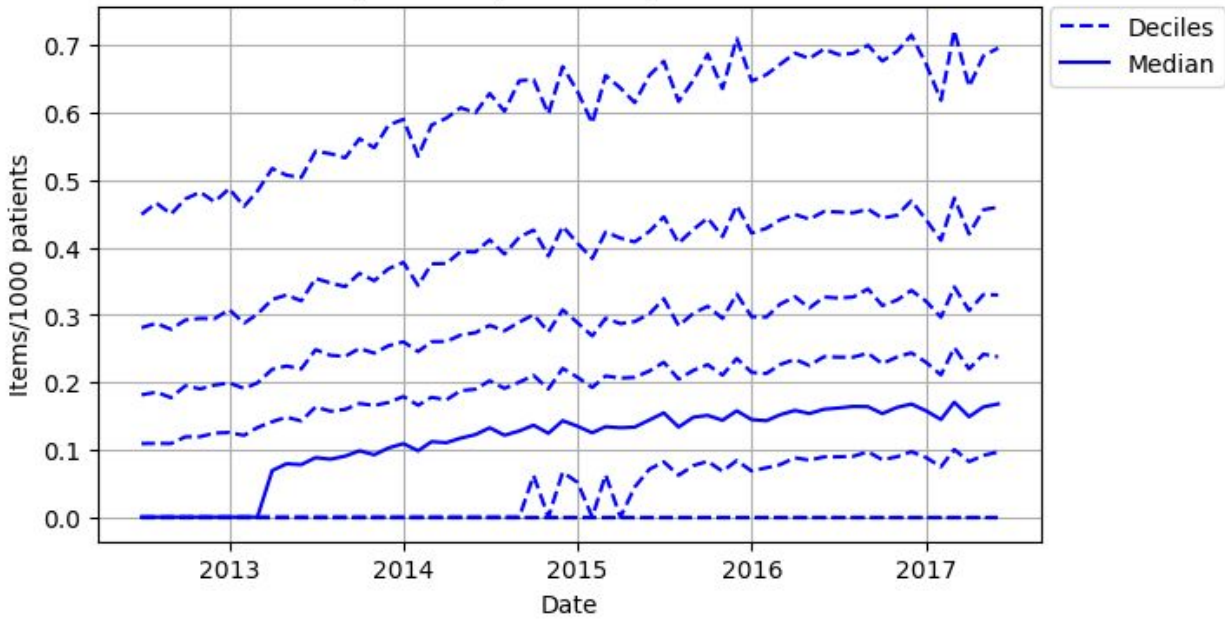


[Interactive map here](#)

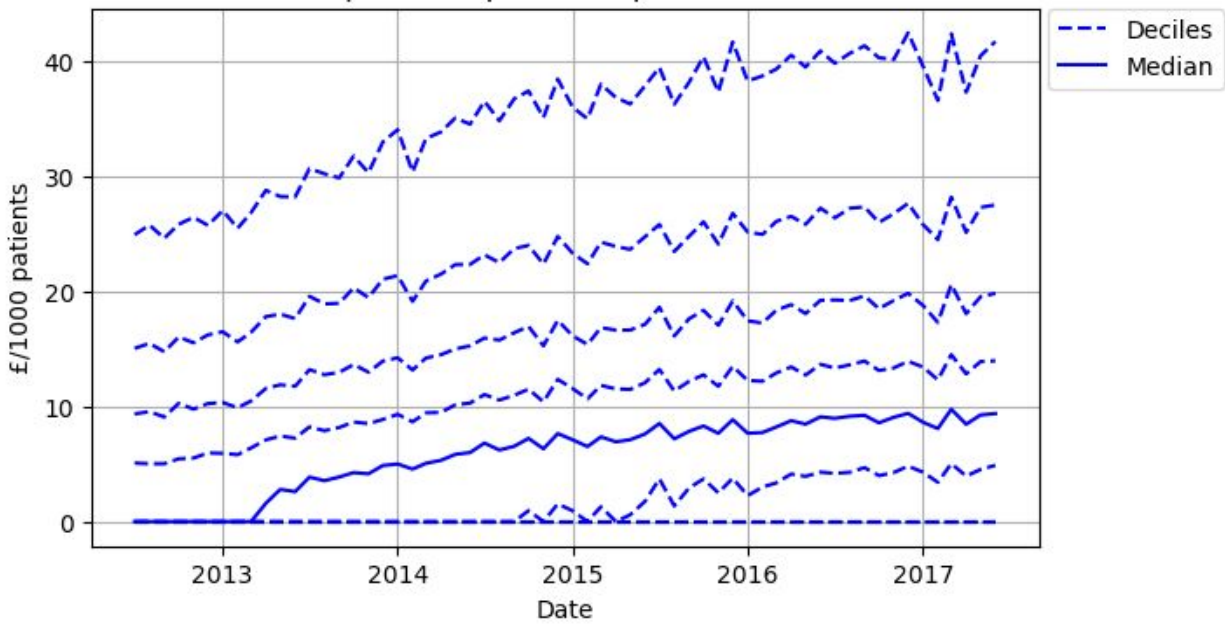


Number of practices prescribing zero items: 1241

Items per 1000 patients - practice deciles

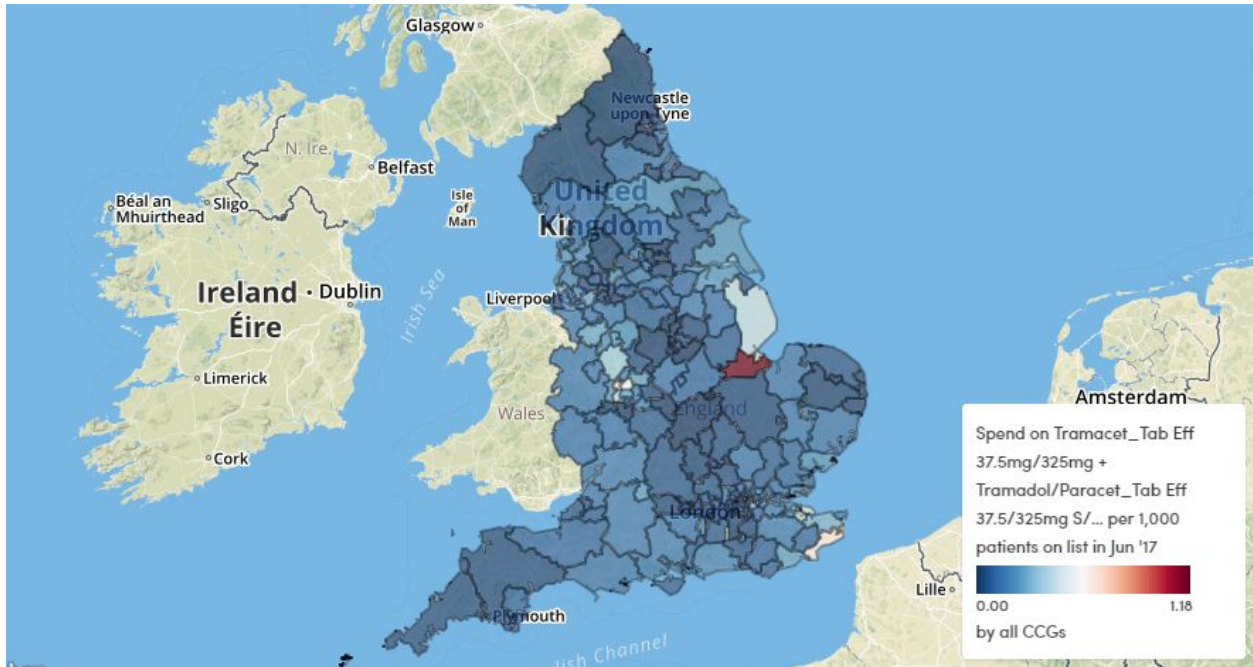


Cost per 1000 patients - practice deciles

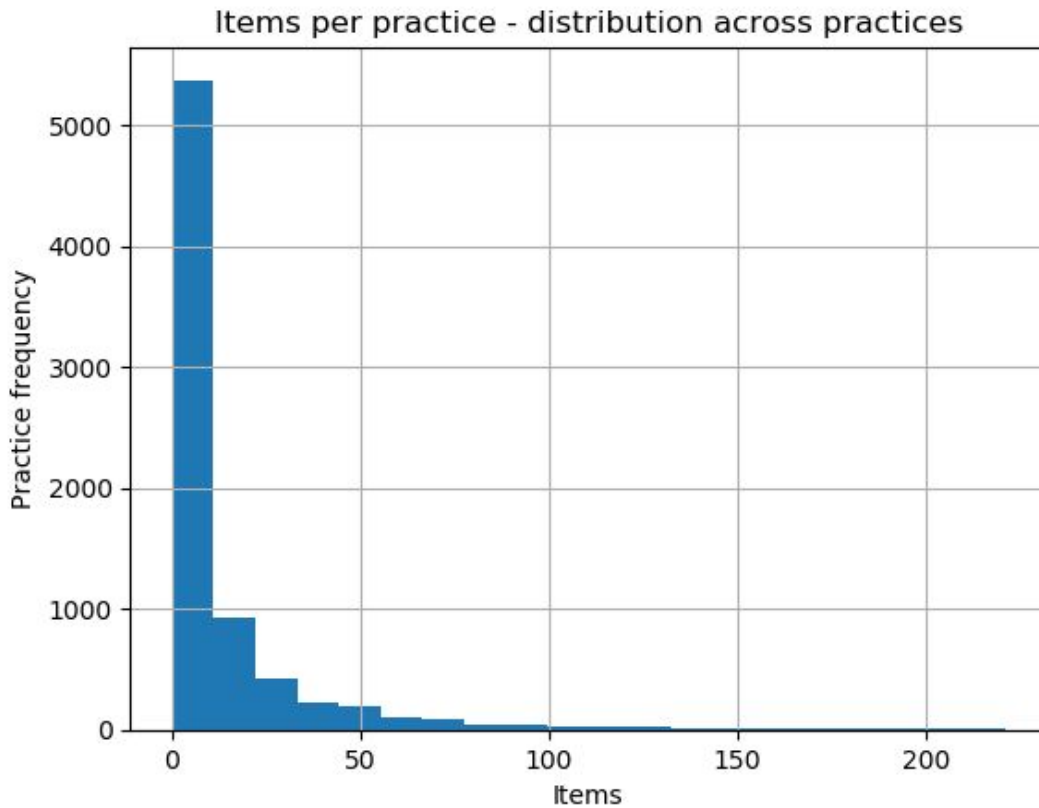


Paracetamol and tramadol combination

Variation in spending per thousand patients across CCGs in June 2017:

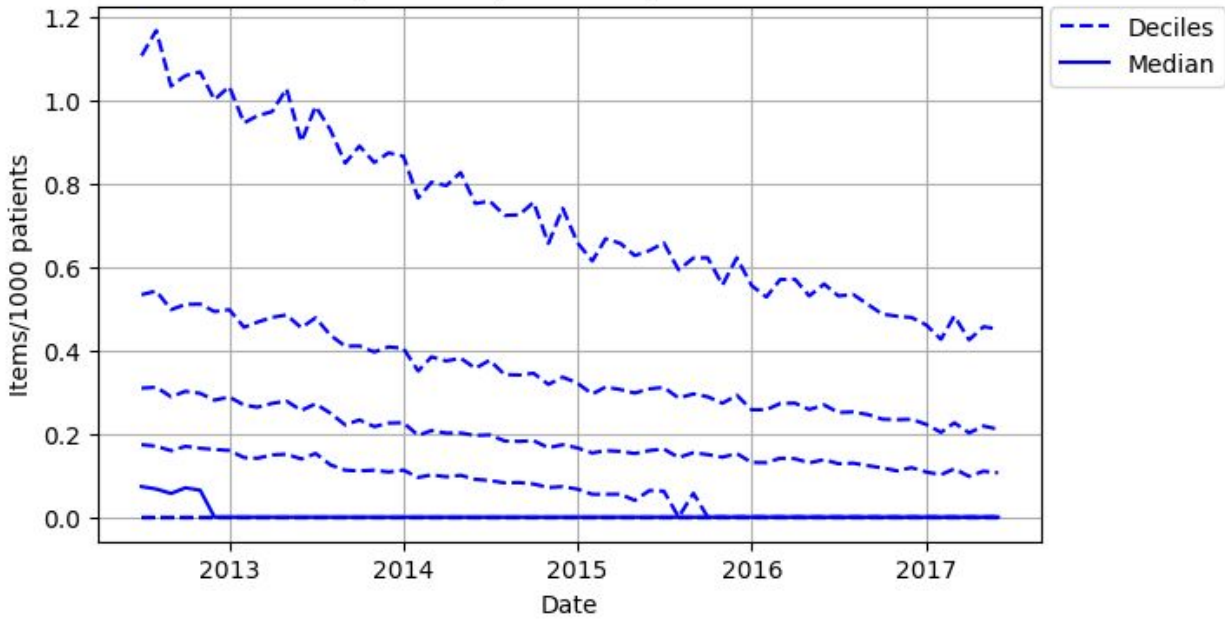


[Interactive map here](#)

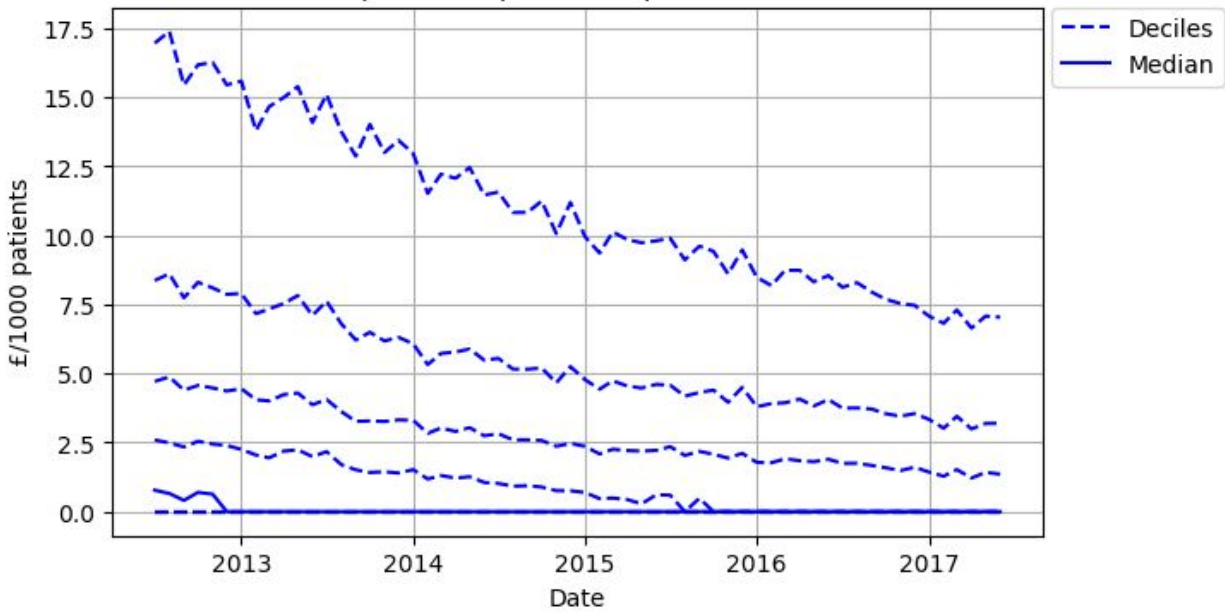


Number of practices prescribing zero items: 3309

Items per 1000 patients - practice deciles

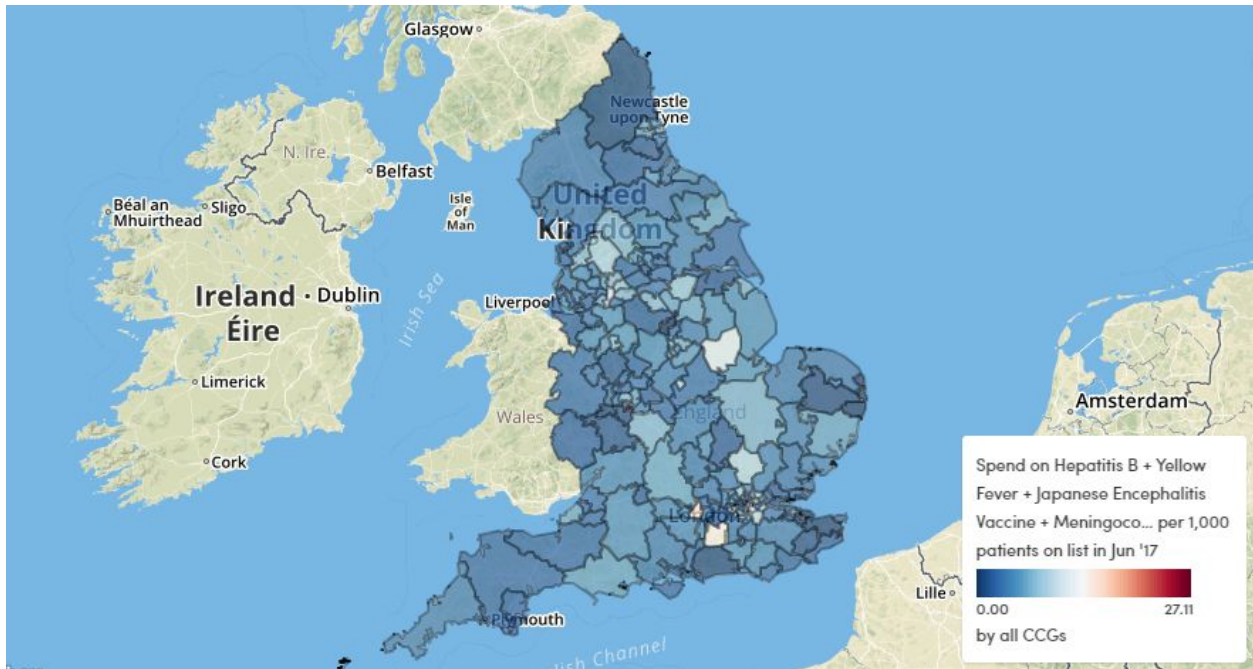


Cost per 1000 patients - practice deciles

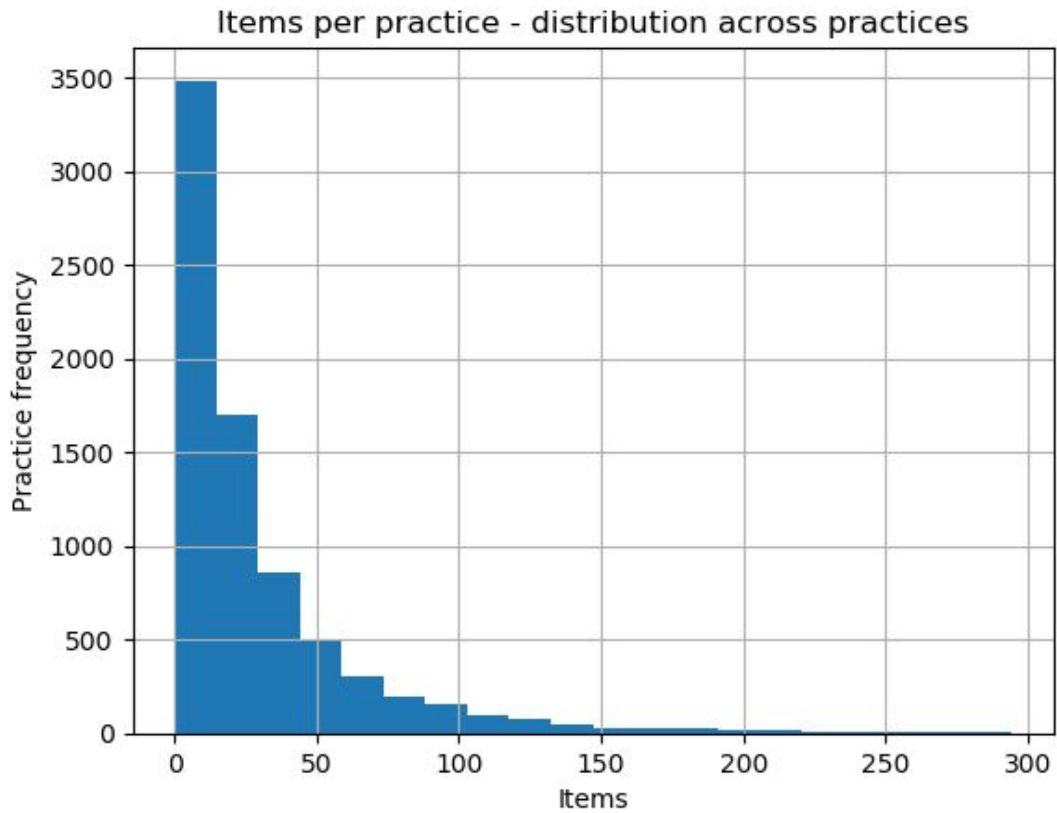


Travel vaccines

Variation in spending per thousand patients across CCGs in June 2017:

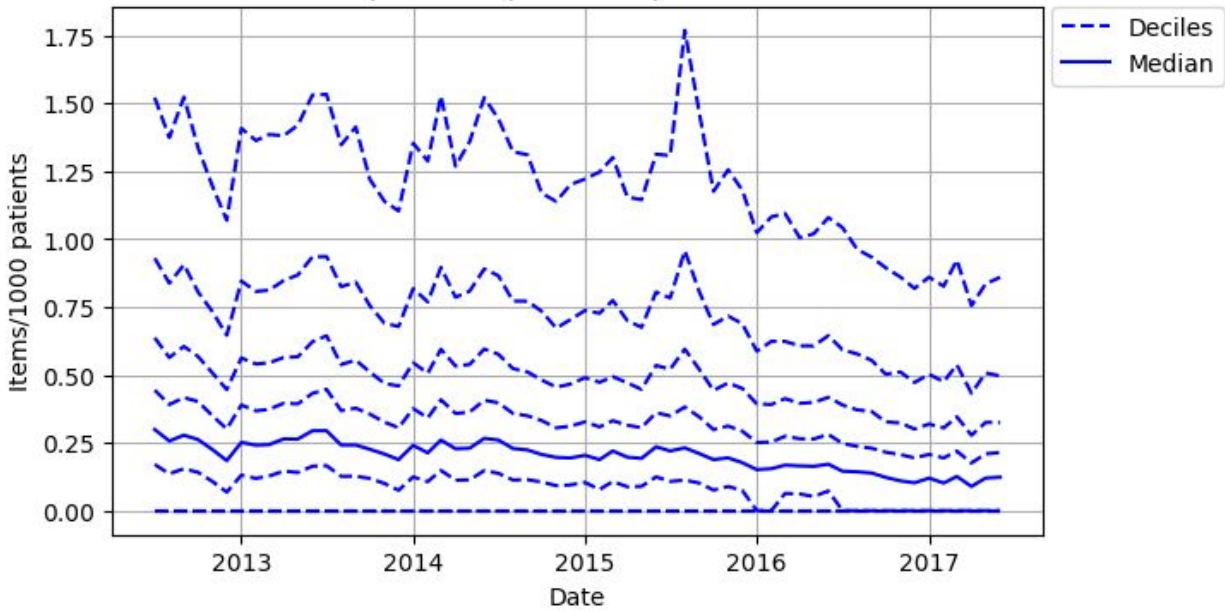


[Interactive map here](#)

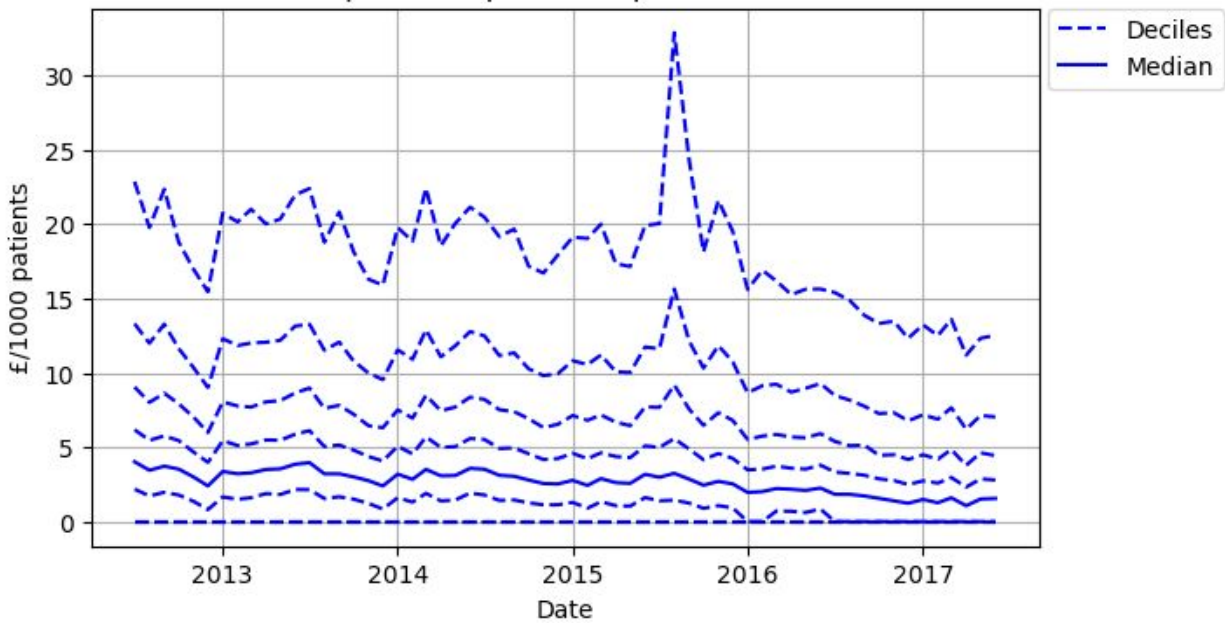


Number of practices prescribing zero items: 483

Items per 1000 patients - practice deciles

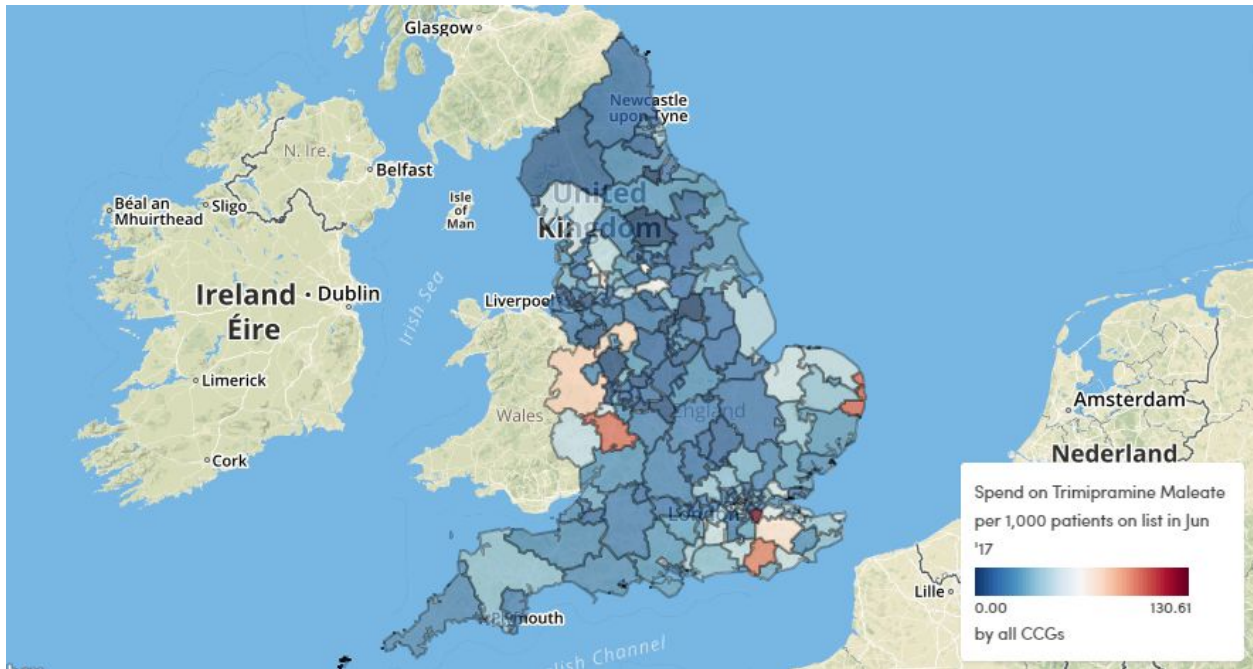


Cost per 1000 patients - practice deciles



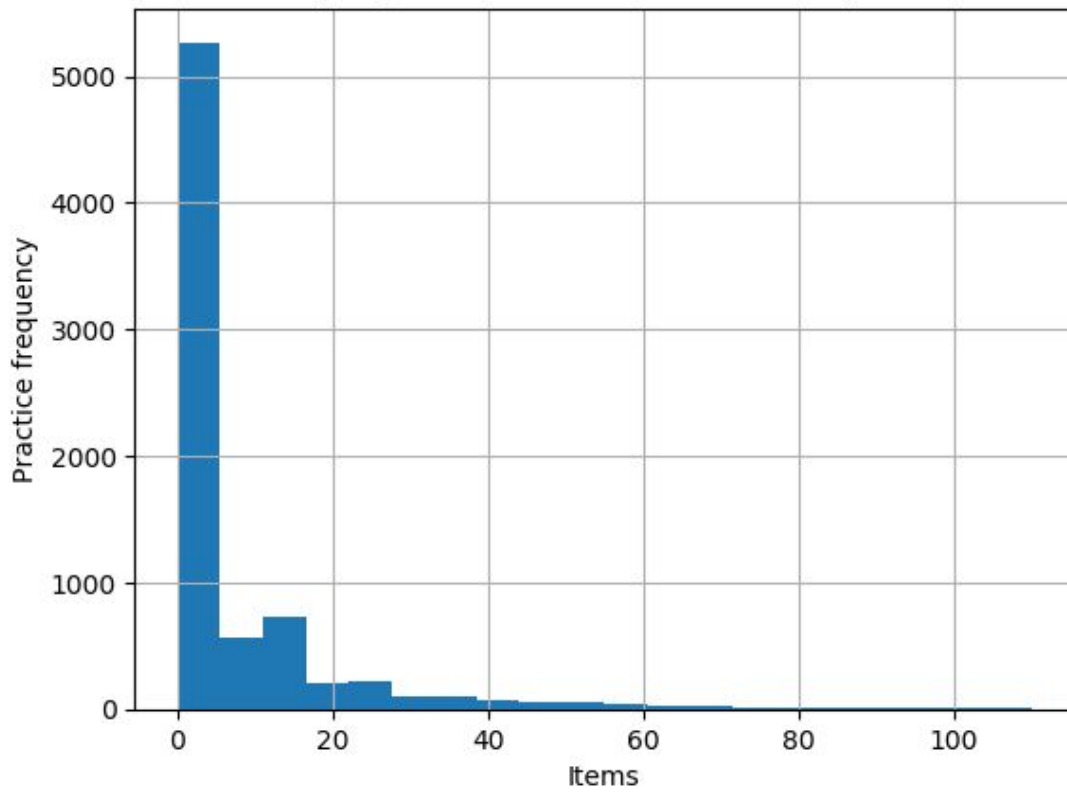
Trimipramine

Variation in spending per thousand patients across CCGs in June 2017:



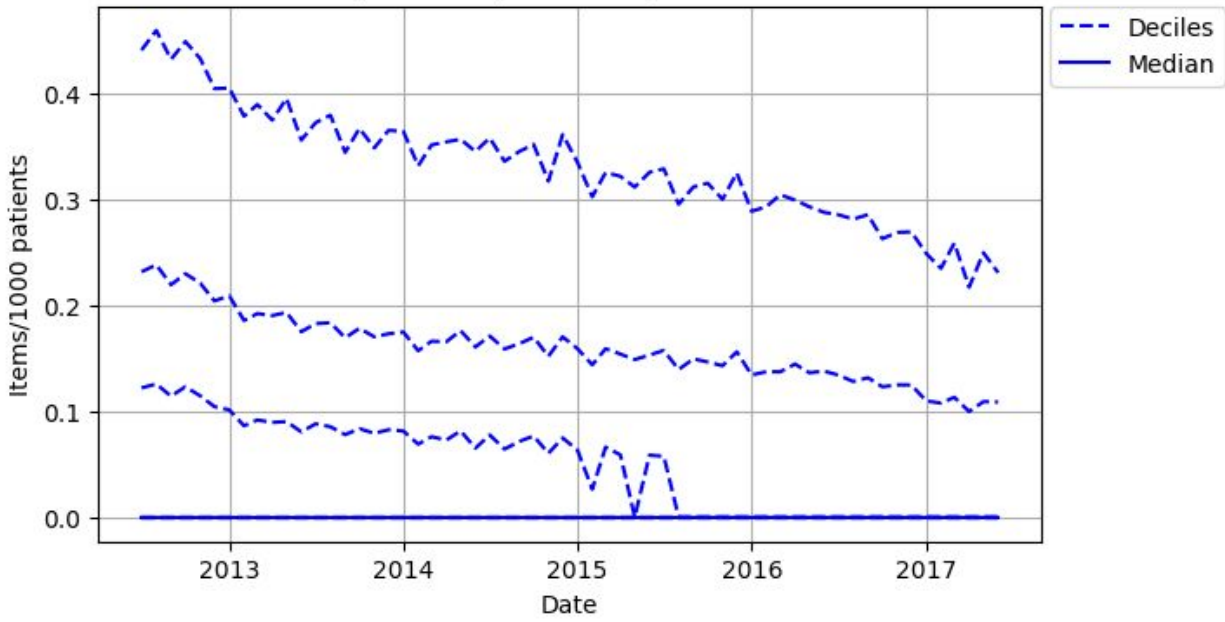
[Interactive map here](#)

Items per practice - distribution across practices

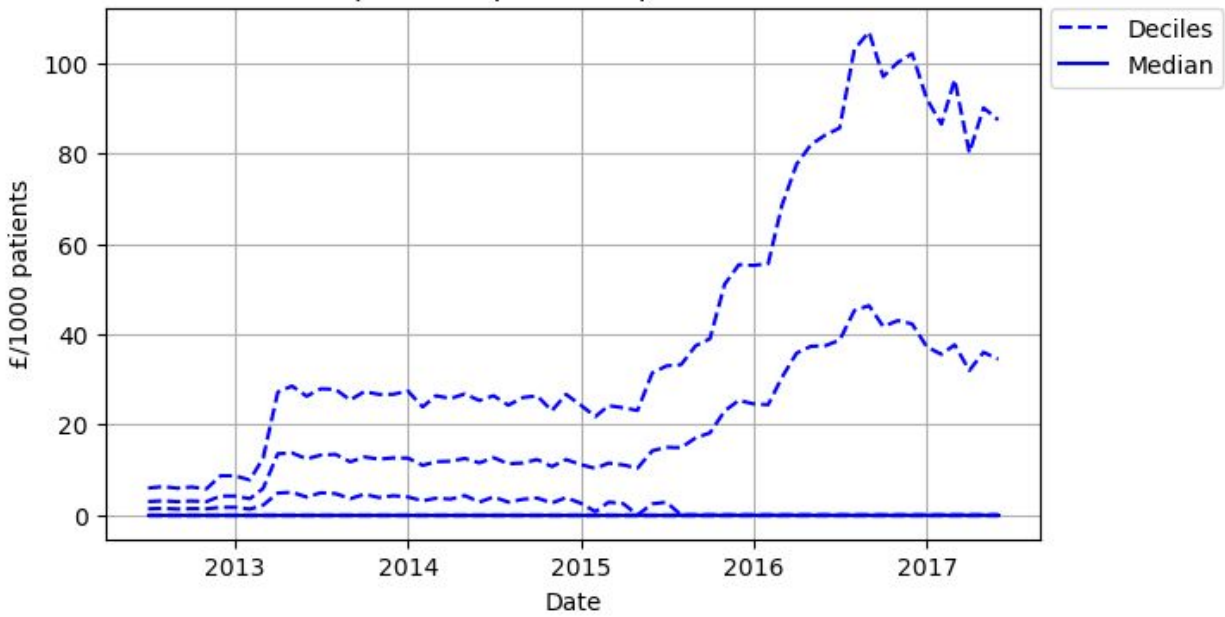


Number of practices prescribing zero items: 4700

Items per 1000 patients - practice deciles



Cost per 1000 patients - practice deciles



Appendix B - BNF code list used to define medication prescribing

BNF codes as used in SQL queries to identify prescribing of each medicine (% = wildcard)

Co-proxamol

0407010Q0%

Dosulepin

0403010J0%

Doxazosin modified release

0205040D0%AQ

0205040D0%AR

Fentanyl immediate release

0407020A0%BI

0407020A0%BY

0407020A0%BK

0407020A0%BR

0407020A0%AJ

0407020A0%AV

0407020A0%BD

0407020A0%BX

0407020A0%AN

0407020A0%BM

0407020A0%BU

0407020A0%BN

0407020A0%BS

0407020A0%BT

0407020A0%AX

0407020A0%AM

0407020A0%AI

0407020A0%AW

0407020A0%AY

0407020A0%BV

0407020A0%BZ

0407020A0%BP

0407020A0%BE

0407020A0%BA

0407020A0%BH

0407020A0%BQ

0407020A0%BB

0407020A0%BF

0407020A0%AK
0407020A0%BC
0407020A0%BL
0407020A0%AZ
0407020A0%BJ
0407020A0%AP
0407020A0%BG
0407020A0%AL

Glucosamine and chondroitin

1001050A0%
1001050B0%
091200000AADWDW%
091200000AAECEC%
091200000AAELEL%
091200000AADGDG%
091200000AAEEEE%
091200000AADIDI%
091200000AADJDJ%
091200000BDGPA0%
091200000BEWDA0%
091200000BEAWA0%
091200000BFMSEC%
091200000BFRYFY%
091200000AAEFEF%
091200000BEZVA0%
091200000BFRFEC%
091200000BFMTTE%
091200000BEWHA0%
091200000AADYDY%
091200000BFMJEC%
091200000BFPZA0%
091200000BEQMA0%
091200000BFIDDI%
091200000BFQXEF%
091200000BFIYA0%
091200000BFCEDG%
091200000BFIFDI%
091200000BEUGA0%
091200000BERTA0%
091200000BFREEE%
091200000AAEGEG%
091200000BETEA0%

091200000BFIGDW%
091200000BFLDA0%
091200000BCJNA0%
091200000AAEYDY%
091200000BFPYA0%
091200000BFSXDY%
091200000BFNIA0%
091200000BERWA0%
091200000BFATDG%
091200000BEFRA0%
091200000BFNYDI%
091200000BFNXA0%
091200000BFJJJDY%
091200000BFMBDG%
091200000BFSRA0%
091200000BDUUA0%
091200000BCWWA0%
091200000BFNTA0%
091200000BFNLA0%
091200000BFPGA0%
091200000BFDSDJ%
091200000BFRHDJ%
091200000BEVPA0%
091200000BFQSEF%
091200000BDYUA0%
091200000BFPMEF%
091200000BFPJEC%
091200000BFPPEC%
091200000BFQNA0%
091200000BDWXA0%
091200000BFNAEE%
091200000BFKIA0%
091200000BFPWEQ%
091200000BFSUA0%
091200000BFSQEQ%
091200000BEWBA0%
091200000BFMYEC%

Gluten free products

0904010AK%
0904010I0%
0904010H0%
0904010L0%

0904010J0%
0904010Z0%
0904010F0%
0904010AE%
090401050%
0904010V0%
090401060%
0904010E0%
0904010T0%
0904010AF%
090401030%
0904010Q0%
0904010A0%
0904010U0%
0904010AD%
0904010AC%
0904010AB%
090401070%
0904010AI%
0904010AJ%
0904010AH%
0904010AG%
0904010AA%
090401080%
0904010AU%

Homeopathy

190203%

Lidocaine plasters

1502010J0%EL

Liothyronine

0602010M0%

Lutein and antioxidants

091000000BBVZA0%
091000000BBVGA0%
091000000BBWQA0%
091000000BBTPA0%
091000000BBVFA0%
091000000BBVXA0%
091000000BBVTA0%

091000000BBWVA0%
091000000BBUZA0%
091000000BBWPA0%
091000000BBTAA0%
091000000BBUQA0%
091000000BBWNA0%
091000000BBVQA0%
091000000BBWHA0%
091000000BBUSA0%
091000000BBWWA0%
091000000BBVSA0%
091200000BFLHA0%
091200000BEJYA0%
091200000BEXXA0%

Omega-3 fatty acid compounds

0212000AB%
0212000V0%

Oxycodone and naloxone combination product

0407020AF%

Perindopril arginine

0205051Y0%
0205051Z0%

Rubefacients

100302000%
100302040%
1003020AA%
1003020AB%
1003020B0%
1003020C0%
1003020D0%
1003020E0%
1003020F0%
1003020G0%
1003020H0%
1003020I0%
1003020J0%
1003020K0%
1003020L0%
1003020N0%

1003020Q0%
1003020S0%
1003020T0%
1003020V0%
1003020W0%
1003020X0%
1003020Y0%
1003020Z0%

Tadalafil once daily

0704050R0%AC
0704050R0%AD

Paracetamol and tramadol combination

040702040%AU
040702040%BA

Travel vaccines

1404000G0%
1404000U0%
1404000AB%
1404000X0%
1404000AA%
1404000N0%
0802040X0%

Trimipramine

0403010Y0%

Appendix C: level of missing data within dataset

Variable	Missing values	% missing
Quality outcomes framework (QOF) score	0	0.0%
Index of Multiple Deprivation (IMD)	1	0.0%
Practice list size	0	0.0%
Dispensing practice status	0	0.0%
% of patients over 65	1	0.0%
% of patients with a long term health condition	6	0.1%
Practices with complete data for all variables	7489	0.1%