

Appendix 1. ICD-9-CM diagnosis and reason for visit codes used for this analysis.

Diagnosis of BPH	ICD-9-CM diagnosis codes: 594.1, 599.6, 599.69, 600.0, 600.1, 600.2, 600.21, 600.9, 600.91, 788.20, 788.21, 788.29, 788.4, 788.41, 788.42, 788.43, 788.61, 788.62
Patient complaint of LUTS	Reason for visit codes: 1645.0, 1645.1, 1650.0, 1655.0, 1655.1, 1660.1, 1660.2, 1660.4, 1665.1, 1665.2, 1710.0, 1710.1
Diagnosis of hypertension	ICD-9-CM diagnosis codes: 140.1, 140.11, 140.19
Diagnosis of UTI	ICD-9-CM diagnosis codes: 159.5, 159.59, 160.11, 159.9, 160.1, 160.12, 160.13

Appendix 2. Drug codes used to identify BPH medication use.

Alpha-blockers	Drug codes
Doxazosin	92120, 51973, 00726, 92012, 08162
Terazosin	94133, 56290, 00386, 15307
Tamsulosin	59731, 00053, 04121, 08006, 97126
Alfuzosin	04797, 70814, 06166, 04138
Silodosin	10370, 07354, 09797
5-alpha reductase inhibitors	
Finasteride	95177, 57218, 00563, 93127
Dutasteride	70675, 05194, 03002
AB-5ARI combination	
Dutasteride-tamsulosin	10532, 07634
Anticholinergics	
Flavoxate	04069, 52275, 70784, 01425, 33300
Oxybutynin	22287, 00328, 54105, 09995
Oxybutynin XR	09834, 00003
Tolterodine	01050, 04294, 59811, 98065
Tolterodine LA	01057
Darifenacin	70995, 05422, 06104, 05051
Solifenacin	70990, 05261, 05413, 05074
Fesoterodine	07162, 06104
Trospium	10251, 71024, 10455, 04929, 05266, 08179