

Table S1: Medical Read Codes Indicating Menopause:

Read Code	Description
67I1.00	Advice about the menopause
ZG61.00	Advice about the menopause
K5A4.00	Artificial menopause state
C163400	Early menopause
1583	H/O: post-menopausal bleeding
66U..11	Hormone replacement therapy
66UI.00	Hormone replacement therapy bleed pattern - abnormal
66UK.00	Hormone replacement therapy bleed pattern - no bleeding
66UH.00	Hormone replacement therapy bleed pattern - normal
66UJ.00	Hormone replacement therapy bleed pattern - not relevant
66U9.00	HRT changed
66U6.00	HRT contraindicated
66U8.00	HRT side-effects
66U7.00	HRT started
66UA.00	HRT stopped
66UC.00	HRT: combined oestrog/progest
66UB.00	HRT: unopposed oestrogen
K5Az.00	Menopausal and postmenopausal disorder NOS
44x2.00	Menopausal profile
1512	Menopause
66U2.00	Menopause follow-up assessment
66U1.00	Menopause initial assessment
66U..00	Menopause monitoring
66UZ.00	Menopause monitoring NOS
66U3.00	Menopause symptoms present
66U5.00	Menopause: bone density check
66UD.00	Menopause: dietary advice
66UF.00	Menopause: gen counselling
66U4.00	Menopause: LH, FSH checked

<b>66UE.00</b>	Menopause: sexual advice
<b>K5Ay.00</b>	Other menopausal and postmenopausal states
<b>66UG.00</b>	Patient refuses HRT
<b>K5A5.00</b>	Perimenopausal atrophic vaginitis
<b>K5A6.00</b>	Perimenopausal menorrhagia
<b>151K.00</b>	Postmenopausal state
<b>C163111</b>	Premature menopause NOS
<b>151J.00</b>	Premenopausal state
<b>66UL.00</b>	Years on hormone replacement therapy

Table S2: Hormonal Replacement Therapy Code List:

Drug code	BNF code	Generic name	Formulation
84485998	06.04.01.02	Progesterone 200mg capsules	capsules
84486998	06.04.01.02	Progesterone micronised 100mg capsules	capsules
84704998	06.04.01.02	Progesterone micronised 100mg capsules	capsules
84487998	06.04.01.02	Progesterone micronised 200mg capsules	capsules
84862998	06.04.01.01	Estradiol 0.06% gel (750microgram per actuation)	gel
91399998	06.04.01.01	Estradiol 0.06% gel (750microgram per actuation)	gel
93192979	06.04.01.01	Estradiol 0.06% gel (750microgram per actuation)	gel
93193979	06.04.01.01	Estradiol 0.06% gel (750microgram per actuation)	gel
93194979	06.04.01.01	Estradiol 0.06% gel (750microgram per actuation)	gel
93195979	06.04.01.01	Estradiol 0.06% gel (750microgram per actuation)	gel
91400998	06.04.01.01	Estradiol 1.25g/dose gel	gel
82739998	06.04.01.01	Estradiol 1mg gel sachets	gel
82740998	06.04.01.01	Estradiol 1mg gel sachets	gel
86546979	06.04.01.01	Estradiol 1mg gel sachets	gel
91399997	06.04.01.01	Estradiol 1mg gel sachets	gel
82741998	06.04.01.01	Estradiol 500microgram gel sachets	gel
82742998	06.04.01.01	Estradiol 500microgram gel sachets	gel
88915998	06.04.01.01	Estradiol 500microgram gel sachets	gel
98911996	06.04.01.01	Estradiol 100mg implant	implant
98911998	06.04.01.01	Estradiol 25mg implant	implant
95351992	06.04.01.01	Estradiol 50mg implant	implant
98468989	06.04.01.01	Estradiol 50mg implant	implant
98911997	06.04.01.01	Estradiol 50mg implant	implant
96748997	06.04.01.01	Estradio; 5m/ml injection	injection
96748998	06.04.01.01	Estradiol 1mg/ml injection	injection
97921998	06.04.01.02	Medroxyprogesterone acetate 50mg/ml injection	injection
95911998	06.04.01.02	Medroxyprogesterone acetate contraceptive 50mg/ml injection	injection
85260998	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection
85264998	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection
92070998	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection
95388996	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection
97515992	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection

97956992	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection
98348996	06.04.01.02	Progesterone 100mg/2ml solution for injection ampoules	injection
98348998	06.04.01.02	Progesterone 10mg/1ml injection	injection
98348997	06.04.01.02	Progesterone 25mg/1ml injection	injection
95388997	06.04.01.02	Progesterone 25mg/1ml solution for injection ampoules	injection
85262998	06.04.01.02	Progesterone 50mg/1ml solution for injection ampoules	injection
85263998	06.04.01.02	Progesterone 50mg/1ml solution for injection ampoules	injection
77038978	06.04.01.02	Progesterone 25mg/1.119ml solution for injection vials	injection solution
77039978	06.04.01.02	Progesterone 25mg/1.119ml solution for injection vials	injection solution
88937998	06.04.01.01	Estradiol 150micrograms/dose nasal spray	nasal spray
88935998	06.04.01.01	Estradiol hemihydrate 150mcg nasal spray	nasal spray
96191998	06.04.01.02	Hydroxyprogesterone 250mg/1ml solution for injection ampoules	oily injection
99207998	06.04.01.02	Hydroxyprogesterone caproate 250mg/1ml oily injection	oily injection
96191997	06.04.01.02	Hydroxyprogesterone caproate 500mg/2ml injection	oily injection
99207997	06.04.01.02	Hydroxyprogesterone caproate 500mg/2ml oily injection	oily injection
97759998	06.04.01.01	Estradiol with (estradiol with norethisterone acetate) 50mcg/24 hr with (50mcg+250mcg/24 hr) twice weekly patch	patches
89321998	06.04.01.01	Generic FemSeven Sequi transdermal patches	patches
90620998	06.04.01.01	Estradiol 40micrograms/24hours transdermal patches and dydrogesterone 10mg tablets	patches and tablets
91307997	06.04.01.01	Estradiol 40micrograms/24hours transdermal patches and dydrogesterone 10mg tablets	patches and tablets
92586998	06.04.01.01	Estradiol 50micrograms/24hours transdermal patches and norethisterone 1mg tablets	patches and tablets
94517998	06.04.01.01	Estradiol 50micrograms/24hours transdermal patches and norethisterone acetate 1mg tablets	patches and tablets
91052998	06.04.01.01	Estradiol 80micrograms/24hours transdermal patches and dydrogesterone 10mg tablets	patches and tablets
91307998	06.04.01.01	Estradiol 80micrograms/24hours transdermal patches and dydrogesterone 10mg tablets	patches and tablets
92585998	06.04.01.01	Estradiol with norethisterone 0mcg/24hours(3.2mg/unit) with 1mg patch with tablet	patches and tablets
91680998	06.04.01.01	Estradiol with norethisterone acetate 50mcg/24hours(4mg/unit) with 1mg patch with tablet	patches and tablets
87543998	06.04.01.02	Progesterone 200mg pessaries	pessaries

95390996	06.04.01.02	Progesterone 200mg pessaries	pessaries
95390998	06.04.01.02	Progesterone 200mg pessaries	pessaries
97915996	06.04.01.02	Progesterone 200mg pessaries	pessaries
97915998	06.04.01.02	Progesterone 200mg pessaries	pessaries
87542998	06.04.01.02	Progesterone 400mg pessaries	pessaries
95389998	06.04.01.02	Progesterone 400mg pessaries	pessaries
95390997	06.04.01.02	Progesterone 400mg pessaries	pessaries
97914998	06.04.01.02	Progesterone 400mg pessaries	pessaries
97915997	06.04.01.02	Progesterone 400mg pessaries	pessaries
88542998	06.04.01.00	Raloxifene 60mg tablets	tablets
91378998	06.04.01.00	Raloxifene 60mg tablets	tablets
92925979	06.04.01.00	Raloxifene 60mg tablets	tablets
92930979	06.04.01.00	Raloxifene 60mg tablets	tablets
91096998	06.04.01.01	Conjugat oestrogen equi and (conjugat oestrogen equi with medroxyprogesterone acetate 625 micrograms with (625 microgram	tablets
89171979	06.04.01.01	Conjugated estrogens & medroxyprogesterone 0.625mg+5mg tablets	tablets
89173979	06.04.01.01	Conjugated estrogens & medroxyprogesterone 0.625mg+5mg tablets	tablets
89176979	06.04.01.01	Conjugated estrogens & medroxyprogesterone 0.625mg+5mg tablets	tablets
91114998	06.04.01.01	Conjugated estrogens & medroxyprogesterone 0.625mg+5mg tablets	tablets
99220996	06.04.01.01	Conjugated estrogens 2.5mg tablets	tablets
93764992	06.04.01.01	Conjugated oestrogens / norgestrel 1.25 mg tab	tablets
96609997	06.04.01.01	Conjugated oestrogens 1.25mg tablets	tablets
99220997	06.04.01.01	Conjugated oestrogens 1.25mg tablets	tablets
94472997	06.04.01.01	Conjugated oestrogens 1.25mg tablets and norgestrel 150microgram tablets	tablets
95698997	06.04.01.01	Conjugated oestrogens 1.25mg tablets and Norgestrel 150microgram tablets	tablets
98839998	06.04.01.01	Conjugated oestrogens 1.25mg tablets and Norgestrel 150microgram tablets	tablets
98840998	06.04.01.01	Conjugated oestrogens 1.25mg tablets and norgestrel 150microgram tablets	tablets
96609996	06.04.01.01	Conjugated oestrogens 2.5mg tablets	tablets
87549998	06.04.01.01	Conjugated oestrogens 300microgram / Medroxyprogesterone 1.5mg modified-release tablets	tablets

87550998	06.04.01.01	Conjugated oestrogens 300microgram / Medroxyprogesterone 1.5mg modified-release tablets	tablets
84780998	06.04.01.01	Conjugated oestrogens 300microgram tablets	tablets
84781998	06.04.01.01	Conjugated oestrogens 300microgram tablets	tablets
94252992	06.04.01.01	Conjugated oestrogens 625/norgestrel 500 mcg tab	tablets
91113998	06.04.01.01	Conjugated oestrogens 625microgram / medroxyprogesterone 5mg tablets	tablets
93211979	06.04.01.01	Conjugated oestrogens 625microgram tablets	tablets
96609998	06.04.01.01	Conjugated oestrogens 625microgram tablets	tablets
99220998	06.04.01.01	Conjugated oestrogens 625microgram tablets	tablets
89684979	06.04.01.01	Conjugated oestrogens 625microgram tablets and norgestrel 150microgram tablets	tablets
89685979	06.04.01.01	Conjugated oestrogens 625microgram tablets and norgestrel 150microgram tablets	tablets
94472998	06.04.01.01	Conjugated oestrogens 625microgram tablets and norgestrel 150microgram tablets	tablets
98892998	06.04.01.01	Conjugated oestrogens 625microgram tablets and norgestrel 150microgram tablets	tablets
99219998	06.04.01.01	Conjugated oestrogens 625microgram tablets and norgestrel 150microgram tablets	tablets
87953998	06.04.01.01	Conjugated oestrogens equine with medroxyprogesterone acetate 625micrograms with 10mg tablets	tablets
96392998	06.04.01.01	Dienestrol 1mg tablets	tablets
96392997	06.04.01.01	Dienestrol 5mg tablets	tablets
97765997	06.04.01.01	Estradiol & norethisterone acetate 2mg+1mg tablets	tablets
86831998	06.04.01.01	Estradiol 1mg / Drospirenone 2mg tablets	tablets
86832998	06.04.01.01	Estradiol 1mg / Drospirenone 2mg tablets	tablets
88207998	06.04.01.01	Estradiol 1mg / Dydrogesterone 5mg tablets	tablets
88635979	06.04.01.01	Estradiol 1mg / Dydrogesterone 5mg tablets	tablets
88638979	06.04.01.01	Estradiol 1mg / Dydrogesterone 5mg tablets	tablets
89803998	06.04.01.01	Estradiol 1mg / dydrogesterone 5mg tablets	tablets
92171998	06.04.01.01	Estradiol 1mg / Dydrogesterone 5mg tablets	tablets
89399998	06.04.01.01	Estradiol 1mg / Norethisterone acetate 500microgram tablets	tablets
91412996	06.04.01.01	Estradiol 1mg / Norethisterone acetate 500microgram tablets	tablets
90875998	06.04.01.01	Estradiol 1mg tablets	tablets

97762997	06.04.01.01	Estradiol 1mg tablets	tablets
88320998	06.04.01.01	Estradiol 2mg / Norethisterone acetate 1mg tablets	tablets
91423998	06.04.01.01	Estradiol 2mg / Norethisterone acetate 1mg tablets	tablets
91862998	06.04.01.01	Estradiol 2mg / Norethisterone acetate 1mg tablets	tablets
92440998	06.04.01.01	Estradiol 2mg / Norethisterone acetate 1mg tablets	tablets
93174979	06.04.01.01	Estradiol 2mg / Norethisterone acetate 1mg tablets	tablets
86058998	06.04.01.01	Estradiol 2mg tablets	tablets
89953998	06.04.01.01	Estradiol 2mg tablets	tablets
90875997	06.04.01.01	Estradiol 2mg tablets	tablets
96747998	06.04.01.01	Estradiol 2mg tablets	tablets
97762998	06.04.01.01	Estradiol 2mg tablets	tablets
54611979	06.04.01.01	Estradiol 500micrograms / Dydrogesterone 2.5mg tablets	tablets
91388998	06.04.01.01	Estradiol and (estradiol with dydrogesterone) 1mg with (1mg with 10mg) tablets	tablets
91388997	06.04.01.01	Estradiol and (estradiol with dydrogesterone) 2mg with (2mg with 10 mg) tablets	tablets
91388996	06.04.01.01	Estradiol and (estradiol with dydrogesterone) 2mg with (2mg with 20mg) tablets	tablets
94161997	06.04.01.01	Estradiol and (estradiol with norethisterone) and (estradiol) triphasic forte 4mg with (4mg with 1mg) with (1mg) tablets	tablets
90523998	06.04.01.01	Estradiol valerate & norethisterone 2mg+0.7mg tablets	tablets
93164979	06.04.01.01	Estradiol valerate & norethisterone 2mg+0.7mg tablets	tablets
93165979	06.04.01.01	Estradiol valerate & norethisterone 2mg+0.7mg tablets	tablets
97625997	06.04.01.01	Estradiol valerate (2mg) with norethisterone (1 mg) tablets	tablets
90618997	06.04.01.01	Estradiol valerate 1mg / Medroxyprogesterone 2.5mg tablets	tablets
91350996	06.04.01.01	Estradiol valerate 1mg / Medroxyprogesterone 2.5mg tablets	tablets
91350998	06.04.01.01	Estradiol valerate 1mg / Medroxyprogesterone 2.5mg tablets	tablets
90618998	06.04.01.01	Estradiol valerate 1mg / Medroxyprogesterone 5mg tablets	tablets
91350997	06.04.01.01	Estradiol valerate 1mg / Medroxyprogesterone 5mg tablets	tablets
91859998	06.04.01.01	Estradiol valerate 1mg tablets	tablets
93341979	06.04.01.01	Estradiol valerate 1mg tablets	tablets
93696998	06.04.01.01	Estradiol valerate 1mg tablets	tablets
94737998	06.04.01.01	Estradiol valerate 1mg tablets	tablets
96747997	06.04.01.01	Estradiol valerate 1mg tablets	tablets

97457998	06.04.01.01	Estradiol valerate 1mg tablets	tablets
97826992	06.04.01.01	Estradiol valerate 1mg tablets	tablets
90617998	06.04.01.01	Estradiol valerate 2mg / Medroxyprogesterone 5mg tablets	tablets
90618996	06.04.01.01	Estradiol valerate 2mg / Medroxyprogesterone 5mg tablets	tablets
91086998	06.04.01.01	Estradiol valerate 2mg / Norethisterone 1mg tablets	tablets
91412998	06.04.01.01	Estradiol valerate 2mg / Norethisterone 1mg tablets	tablets
91546998	06.04.01.01	Estradiol valerate 2mg / Norethisterone 1mg tablets	tablets
88912998	06.04.01.01	Estradiol valerate 2mg / norethisterone 700microgram tablets	tablets
91865998	06.04.01.01	Estradiol valerate 2mg tablets	tablets
93321979	06.04.01.01	Estradiol valerate 2mg tablets	tablets
93325979	06.04.01.01	Estradiol valerate 2mg tablets	tablets
93696997	06.04.01.01	Estradiol valerate 2mg tablets	tablets
94737997	06.04.01.01	Estradiol valerate 2mg tablets	tablets
97457997	06.04.01.01	Estradiol valerate 2mg tablets	tablets
95657998	06.04.01.01	Estradiol valerate and (estradiol valerate with levonorgestrel) 2mg with (2mg with 75micrograms) tablets	tablets
97625998	06.04.01.01	Estradiol valerate and (estradiol valerate with norethisterone) 1mg with (1mg with 1mg) tablets	tablets
92251998	06.04.01.01	Estradiol with (estradiol with norethisterone acetate) 1mg with (1mg with 1mg) tablets	tablets
91412997	06.04.01.01	Estradiol with norethisterone acetate ( continuous combined) 2mg with 0.7mg tablets	tablets
96744997	06.04.01.01	Estriol 1mg tablets	tablets
99295997	06.04.01.01	Estriol 1mg tablets	tablets
95363992	06.04.01.01	Estriol 250mcg tablets	tablets
99295998	06.04.01.01	Estriol 250mcg tablets	tablets
96744998	06.04.01.01	Estriol 250micrograms tablets	tablets
94971998	06.04.01.01	Estropipate 1.5mg tablets	tablets
99571998	06.04.01.01	Estropipate 1.5mg tablets	tablets
97993998	06.04.01.01	Ethinylestradiol 10microgram tablets	tablets
99602990	06.04.01.01	Ethinylestradiol 10microgram tablets	tablets
93578998	06.04.01.01	Ethinylestradiol 1mg tablets	tablets
97993997	06.04.01.01	Ethinylestradiol 20micrograms tablet	tablets
97993996	06.04.01.01	Ethinylestradiol 50microgram tablets	tablets

99602989	06.04.01.01	Ethinylestradiol 50microgram tablets	tablets
98728998	06.04.01.01	Ethinylestradiol with methyltestosterone 4.4micrograms + 3.6mg tablet	tablets
91328998	06.04.01.01	Generic adgyn combi tablets	tablets
87898979	06.04.01.01	Generic climagest 1mg tablets	tablets
87901979	06.04.01.01	Generic climagest 1mg tablets	tablets
97765998	06.04.01.01	Generic climagest 1mg tablets	tablets
86050998	06.04.01.01	Generic Clinorette tablets	tablets
97458998	06.04.01.01	Generic cyclo-progynova 1mg tablets	tablets
94162998	06.04.01.01	Generic Cyclo-Progynova 2mg tablets	tablets
97458997	06.04.01.01	Generic Cyclo-Progynova 2mg tablets	tablets
90873997	06.04.01.01	Generic Elleste Duet 1mg tablets	tablets
90873998	06.04.01.01	Generic Elleste Duet 2mg tablets	tablets
91389998	06.04.01.01	Generic Femoston 1/10mg tablets	tablets
91389997	06.04.01.01	Generic Femoston 2/10mg tablets	tablets
91389996	06.04.01.01	Generic femoston 2/20mg tablets	tablets
83058998	06.04.01.01	Generic Hormonin tablets	tablets
96745998	06.04.01.01	Generic Hormonin tablets	tablets
96746998	06.04.01.01	Generic Hormonin tablets	tablets
89469998	06.04.01.01	Generic Novofem tablets	tablets
91864998	06.04.01.01	Generic nuvelle tablets	tablets
95603998	06.04.01.01	Generic nuvelle tablets	tablets
91097998	06.04.01.01	Generic premique cycle tablets	tablets
91351998	06.04.01.01	Generic Tridestra tablets	tablets
91479998	06.04.01.01	Generic Tridestra tablets	tablets
97482997	06.04.01.01	Generic trisequens forte tablets	tablets
94161998	06.04.01.01	Generic Trisequens tablets	tablets
97482998	06.04.01.01	Generic Trisequens tablets	tablets
98897998	06.04.01.01	Mestranol with norethisterone tablet	tablets
95698998	06.04.01.01	Norgestrel and conjugated oestrogens (equine) 150micrograms + 625micrograms tablet	tablets
90770998	06.04.01.01	Piperazine oestrone sulphate 1.5mg with medroxyprogesterone 10mg tablet	tablets
90771998	06.04.01.01	Piperazine oestrone sulphate 1.5mg with medroxyprogesterone 10mg tablet	tablets

97947992	06.04.01.01	Premarin 0.625mg/norgestrel 0.15mg mg tab	tablets
96746992	06.04.01.01	Premarin 1.25mg/norgestrel 0.15mg mg tab	tablets
94309992	06.04.01.01	Prempak 1.25mg mg tab	tablets
95339998	06.04.01.01	Quinestradol 250mcg tablets	tablets
93197979	06.04.01.01	Tibolone 2.5mg tablets	tablets
93201979	06.04.01.01	Tibolone 2.5mg tablets	tablets
93204979	06.04.01.01	Tibolone 2.5mg tablets	tablets
93315998	06.04.01.01	Tibolone 2.5mg tablets	tablets
93319998	06.04.01.01	Tibolone 2.5mg tablets	tablets
99594998	06.04.01.02	Allylestrenol 5mg tablets	tablets
96956998	06.04.01.02	Allyoestrenol 5mg tablets	tablets
91426998	06.04.01.02	Dydrogesterone 10mg tablets	tablets
96301998	06.04.01.02	Dydrogesterone 10mg tablets	tablets
99716998	06.04.01.02	Dydrogesterone 10mg tablets	tablets
93186979	06.04.01.02	Medroxyprogesterone 10mg tablets	tablets
95914997	06.04.01.02	Medroxyprogesterone 10mg tablets	tablets
97905997	06.04.01.02	Medroxyprogesterone 10mg tablets	tablets
95914996	06.04.01.02	Medroxyprogesterone 2.5mg tablets	tablets
97905996	06.04.01.02	Medroxyprogesterone 2.5mg tablets	tablets
92535998	06.04.01.02	Medroxyprogesterone 5mg tablets	tablets
95914998	06.04.01.02	Medroxyprogesterone 5mg tablets	tablets
97905998	06.04.01.02	Medroxyprogesterone 5mg tablets	tablets
98910998	06.04.01.02	Medroxyprogesterone 5mg tablets	tablets
92597998	06.04.01.02	Norethisterone 1mg tablets	tablets
92598998	06.04.01.02	Norethisterone 1mg tablets	tablets
93569998	06.04.01.02	Norethisterone 5mg tablets	tablets
95701998	06.04.01.02	Norethisterone 5mg tablets	tablets
96144990	06.04.01.02	Norethisterone 5mg tablets	tablets
96804990	06.04.01.02	Norethisterone 5mg tablets	tablets
96807990	06.04.01.02	Norethisterone 5mg tablets	tablets
97578998	06.04.01.02	Norethisterone 5mg tablets	tablets
97981990	06.04.01.02	Norethisterone 5mg tablets	tablets
99000998	06.04.01.02	Norethisterone 5mg tablets	tablets
58762979	06.04.01.02	Ulipristal 5mg tablets	tablets

58763979	06.04.01.02	Ulipristal 5mg tablets	tablets
83429998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
85962998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
85963998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
85973998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
87042998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
87047998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
88327998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
89082996	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
90241996	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
90247996	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
90819997	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
90834997	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
90835996	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
92065998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
92366998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
92962998	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
93251979	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
93254979	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
93260979	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
93262979	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
94516996	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
94518997	06.04.01.01	Estradiol 100micrograms/24hours transdermal patches	transdermal patches
89209998	06.04.01.01	Estradiol 25mcg transdermal patches	transdermal patches
60489979	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
60490979	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
83431998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
85967998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
85976998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
87046998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
87051998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
89082998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
90241998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
90247998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches

90834996	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
93073997	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
93293979	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
93296979	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
93303979	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
94516998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
94518996	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
94518998	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
94519997	06.04.01.01	Estradiol 25micrograms/24hours transdermal patches	transdermal patches
92221998	06.04.01.01	Estradiol 25micrograms/24hr once weekly patch	transdermal patches
87045998	06.04.01.01	Estradiol 37.5micrograms/24hours transdermal patches	transdermal patches
87050998	06.04.01.01	Estradiol 37.5micrograms/24hours transdermal patches	transdermal patches
91090998	06.04.01.01	Estradiol 37.5micrograms/24hours transdermal patches	transdermal patches
91620998	06.04.01.01	Estradiol 37.5micrograms/24hours transdermal patches	transdermal patches
93352979	06.04.01.01	Estradiol 37.5micrograms/24hours transdermal patches	transdermal patches
88828998	06.04.01.01	Estradiol 40micrograms/24hours transdermal patches	transdermal patches
91054998	06.04.01.01	Estradiol 40micrograms/24hours transdermal patches	transdermal patches
92962996	06.04.01.01	Estradiol 40micrograms/24hours transdermal patches	transdermal patches
96747996	06.04.01.01	Estradiol 40micrograms/24hours transdermal patches	transdermal patches
60462979	06.04.01.01	Estradiol 50micrograms/24hours / Levonorgestrel 7micrograms/24hours transdermal patches	transdermal patches
90645998	06.04.01.01	Estradiol 50micrograms/24hours / Levonorgestrel 7micrograms/24hours transdermal patches	transdermal patches
88889998	06.04.01.01	Estradiol 50micrograms/24hours / Norethisterone 170micrograms/24hours transdermal patches	transdermal patches
89722979	06.04.01.01	Estradiol 50micrograms/24hours / Norethisterone 170micrograms/24hours transdermal patches	transdermal patches
89723979	06.04.01.01	Estradiol 50micrograms/24hours / Norethisterone 170micrograms/24hours transdermal patches	transdermal patches
89725979	06.04.01.01	Estradiol 50micrograms/24hours / Norethisterone 170micrograms/24hours transdermal patches	transdermal patches
97759996	06.04.01.01	Estradiol 50micrograms/24hours / Norethisterone 170micrograms/24hours transdermal patches	transdermal patches
78588978	06.04.01.01	Estradiol 50micrograms/24hours transdermal patches	transdermal patches



85964998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
85974998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
87043998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
87048998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
88329998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
88331998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
89209996	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
89627998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
89629998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
90834998	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
91090996	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
91620996	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
93073996	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
93308979	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
93311979	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
94519996	06.04.01.01	Estradiol 75micrograms/24hours transdermal patches	transdermal patches
88826998	06.04.01.01	Estradiol 80micrograms/24hours transdermal patches	transdermal patches
91457998	06.04.01.01	Estradiol 80micrograms/24hours transdermal patches	transdermal patches
92962997	06.04.01.01	Estradiol 80micrograms/24hours transdermal patches	transdermal patches
93354979	06.04.01.01	Estradiol 80micrograms/24hours transdermal patches	transdermal patches
85771979	06.04.01.01	Ethinylestradiol 33.9micrograms/24hours / Norelgestromin 203micrograms/24hours transdermal patches	transdermal patches
85772979	06.04.01.01	Ethinylestradiol 33.9micrograms/24hours / Norelgestromin 203micrograms/24hours transdermal patches	transdermal patches
89295998	06.04.01.01	Ethinylestradiol 33.9micrograms/24hours / Norelgestromin 203micrograms/24hours transdermal patches	transdermal patches
91878998	06.04.01.01	Ethinylestradiol 33.9micrograms/24hours / Norelgestromin 203micrograms/24hours transdermal patches	transdermal patches
94918998	06.04.01.01	Ethinylestradiol 33.9micrograms/24hours / Norelgestromin 203micrograms/24hours transdermal patches	transdermal patches
97732998	06.04.01.01	Generic estracombi tts transdermal patches	transdermal patches
88887997	06.04.01.01	Generic Evorel Sequi transdermal patches	transdermal patches
88887998	06.04.01.01	Generic Evorel Sequi transdermal patches	transdermal patches
90083998	06.04.01.01	Generic Evorel Sequi transdermal patches	transdermal patches

89216998	06.04.01.01	Generic nuvelle ts transdermal patches	transdermal patches
82828978	06.04.01.02	Progesterone micronised 200mg vaginal capsules	vaginal capsules
82829978	06.04.01.02	Progesterone micronised 200mg vaginal capsules	vaginal capsules
88748998	06.04.01.02	Progesterone 4% vaginal gel	vaginal gel
88752998	06.04.01.02	Progesterone 4% vaginal gel 1.125g applicators	vaginal gel
88753998	06.04.01.02	Progesterone 8% vaginal gel 1.125g applicators	vaginal gel
88754998	06.04.01.02	Progesterone 8% vaginal gel 1.125g applicators	vaginal gel
89500998	06.04.01.01	Estradiol 50mcg/24hours vaginal ring	vaginal ring
90813998	06.04.01.01	Estradiol acetate 1.25mg vaginal ring	vaginal ring
55162978	06.04.01.02	Progesterone 100mg pessaries	vaginal tablets
55163978	06.04.01.02	Progesterone 100mg pessaries	vaginal tablets
90646998	06.04.01.01	Estradiol 50micrograms/24hours / levonorgestrel 7micrograms/24hours transdermal patches	Transdermal patch
91469998	06.04.01.01	Estradiol and (estradiol with levonorgestrel) 50mcg/24hrs with (50mcg+10mcg/24hrs) once weekly patch	Transdermal patch
89212998	06.04.01.01	Estradiol and (estradiol with levonorgestrel) 80mcg/24hrs with (50mcg+20mcg/24hr) twice weekly patch	Transdermal patch
95657997	06.04.01.01	Estradiol valerate and (estradiol valerate with levonorgestrel) 1mg with (1mg with 250micrograms) tablets	
91871998	06.04.01.01	Estradiol valerate with norgestrel 2mg+500micrograms tablets	
87759998	06.04.01.01	Ethinylestradiol 2microgram tablets	
94990992	06.04.01.01	Ethinylestradiol 100 mcg tab	
94156992	06.04.01.01	Ethinylestradiol 15 mcg tab	
93387992	06.04.01.01	Ethinylestradiol 2 mcg tab	
97387992	06.04.01.01	Ethinylestradiol 20 mcg pes	
94458992	06.04.01.01	Ethinylestradiol 25 mcg tab	
94989992	06.04.01.01	Ethinylestradiol 30 mcg tab	
97397992	06.04.01.01	Ethinylestradiol 5 mcg cap	
93336992	06.04.01.01	Ethinylestradiol 5 mg tab	
97404992	06.04.01.01	Ethisterone 5 mg tab	
96371992	06.04.01.01	Oestradiol .01 mg tab	
93461992	06.04.01.01	Oestradiol 17b	
89869998	06.04.01.01	Phyto progesterone 1.5% cream	
89907998	06.04.01.01	Phyto progesterone 3% cream	

88561998	06.04.01.01	Phyto progesterone cream	
89253998	06.04.01.01	Phyto progesterone cream	
91560998	06.04.01.01	Progesterone 1.5% cream	
89901998	06.04.01.01	Progesterone 3% cream	
94361992	06.04.01.01	Tace 12 mg cap	
96673992	06.04.01.02	Gestone 10 mg tab	
97514992	06.04.01.02	Gestone 25 mg tab	
85179998	06.04.01.02	Megestrol acetate (roi) 40mg/ml oral suspension	
96751992	06.04.01.02	Progesterone b.p implant 100 mg	
96073992	06.04.02.00	Fluoxymesterone 5 mg tab	
95201997	06.04.02.00	Generic Sustanon 250mg/1ml solution for injection ampoules	oily injection
99089998	06.04.02.00	Generic Sustanon 250mg/1ml solution for injection ampoules	oily injection
95886998	06.04.02.00	Mesterolone 25mg tablets	tablets
99200998	06.04.02.00	Mesterolone 25mg tablets	tablets
97022997	06.04.02.00	Methyltestosterone 10mg tablet	tablets
97022996	06.04.02.00	Methyltestosterone 25mg tablet	tablets
98660996	06.04.02.00	Methyltestosterone 25mg tablets	tablets
93176998	06.04.02.00	Methyltestosterone 50mg tablet	tablets
97022998	06.04.02.00	Methyltestosterone 5mg tablet	tablets
83496998	06.04.02.00	Saw palmetto 320mg capsule	
83498998	06.04.02.00	Saw palmetto 320mg capsule	
94011992	06.04.02.00	Testoral sublingual 10 mg	
98164992	06.04.02.00	Testosterone 100 mg tab	
98828990	06.04.02.00	Testosterone 100mg implant	implant
98908998	06.04.02.00	Testosterone 100mg implant	implant
95204998	06.04.02.00	Testosterone 10mg tablets	
84719998	06.04.02.00	Testosterone 2% gel (10mg per actuation)	gel
84721998	06.04.02.00	Testosterone 2% gel (10mg per actuation)	gel
98162992	06.04.02.00	Testosterone 2% gel (10mg per actuation)	gel
89777998	06.04.02.00	Testosterone 2.5mg/24hours transdermal patches	transdermal patches
89778998	06.04.02.00	Testosterone 2.5mg/24hours transdermal patches	transdermal patches
98163992	06.04.02.00	Testosterone 200 mg tab	
98908997	06.04.02.00	Testosterone 200mg implant	implant
96483992	06.04.02.00	Testosterone 25 mg tab	
84746998	06.04.02.00	Testosterone 300micrograms/24hours transdermal patches	transdermal patches
84747998	06.04.02.00	Testosterone 300micrograms/24hours transdermal patches	transdermal patches
87502998	06.04.02.00	Testosterone 30mg buccal tablets	buccal tablets
87503998	06.04.02.00	Testosterone 30mg modified-release muco-adhesive buccal tablets	buccal tablets

84085998	06.04.02.00	Testosterone 40mg capsules	capsules
93159979	06.04.02.00	Testosterone 40mg capsules	capsules
95202998	06.04.02.00	Testosterone 40mg capsules	capsules
99186998	06.04.02.00	Testosterone 40mg capsules	capsules
98661997	06.04.02.00	Testosterone 50mg/1ml injection	injection
78425979	06.04.02.00	Testosterone 50mg/5g gel unit dose sachets	gel
78426979	06.04.02.00	Testosterone 50mg/5g gel unit dose sachets	gel
78688979	06.04.02.00	Testosterone 50mg/5g gel unit dose sachets	gel
89033998	06.04.02.00	Testosterone 50mg/5g gel unit dose sachets	gel
91489998	06.04.02.00	Testosterone 50mg/5g gel unit dose sachets	gel
86907998	06.04.02.00	Testosterone 50mg/5g gel unit dose tube	gel
89777997	06.04.02.00	Testosterone 5mg/24hours transdermal patches	transdermal patches
89778997	06.04.02.00	Testosterone 5mg/24hours transdermal patches	transdermal patches
94585998	06.04.02.00	Testosterone 5mg/24hours transdermal patches	transdermal patches
98661996	06.04.02.00	Testosterone 5mg/24hours transdermal patches	transdermal patches
89778996	06.04.02.00	Testosterone 6mg/24hours transdermal patches	transdermal patches
90911998	06.04.02.00	Testosterone 6mg/24hours transdermal patches	transdermal patches
99216998	06.04.02.00	Testosterone enantate 250mg/1ml oily injection	oily injection
93157979	06.04.02.00	Testosterone enantate 250mg/1ml solution for injection ampoules	oily injection
95203998	06.04.02.00	Testosterone enantate 250mg/1ml solution for injection ampoules	oily injection
96671990	06.04.02.00	Testosterone enantate 250mg/1ml solution for injection ampoules	oily injection
98721998	06.04.02.00	Testosterone esters 100mg oily injection	oily injection
95201998	06.04.02.00	Testosterone esters 100mg/ml oily injection	oily injection
96482992	06.04.02.00	Testosterone isocap./testost.phenylprop. 40 mg inj	oily injection
98160992	06.04.02.00	Testosterone propionate 100 mg inj	injection
81950998	06.04.02.00	Testosterone propionate 100mg/2ml solution for injection ampoules	injection
91809998	06.04.02.00	Testosterone propionate 100mg/2ml solution for injection ampoules	injection
95200998	06.04.02.00	Testosterone propionate 25mg/ml injection	injection
95200997	06.04.02.00	Testosterone propionate 50mg/ml oily injection	injection
82223978	06.04.02.00	Testosterone undecanoate 1g/4ml solution for injection vials	injection
82224978	06.04.02.00	Testosterone undecanoate 1g/4ml solution for injection vials	injection
86959998	06.04.02.00	Testosterone undecanoate 1g/4ml solution for injection vials	injection
86960998	06.04.02.00	Testosterone undecanoate 1g/4ml solution for injection vials	injection

Table S3: Annual incidence rate of prescribing of HRT medicines in menopausal women

Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	1024973	5131	5.01	4.87 - 5.14	-
2011	999814.2	5246	5.25	5.11 - 5.39	5%
2012	968653	5262	5.43	5.29 - 5.58	3%
2013	917278	5155	5.62	5.47 - 5.78	3%
2014	846627.4	5119	6.05	5.88 - 6.21	8%
2015	738483	4623	6.26	6.08 - 6.44	3%
2016	632218.8	4443	7.03	6.82 - 7.24	12%
2017	554861.9	4843	8.73	8.49 - 8.98	24%
2018	500708.5	4688	9.36	9.1 - 9.63	7%
2019	452196.9	5295	11.71	11.4 - 12.03	25%
2020	381570.5	2983	7.82	7.54 - 8.1	-33%
2021	270187.4	4906	18.16	17.66 - 18.67	132%
Average percentage annual change					
13.64%, 95% CI 6.97 to 20.30					

Table S4: Annual incidence rate of prescribing of HRT in menopausal women stratified by type of HRT

<b>Fixed combinations of Oestrogen-progesterone (OP)</b>					
<b>Year</b>	<b>PYAR</b>	<b>Incident users</b>	<b>Incidence rate per 1000 PYAR</b>	<b>95% Confidence interval</b>	<b>Percentage change</b>
2010	1020327	3399	3.33	3.22 -3.45	-
2011	1022875	3412	3.34	3.23 -3.45	0%
2012	1019828	3411	3.34	3.23 -3.46	0%
2013	991388.2	3383	3.41	3.3 -3.53	2%
2014	938438.1	3656	3.9	3.77 -4.02	14%
2015	832549.8	3246	3.9	3.77 -4.04	0%
2016	721988.1	3574	4.95	4.79 -5.12	27%
2017	648847.6	4481	6.91	6.71 -7.11	40%
2018	605596.5	4560	7.53	7.31 -7.75	9%
2019	566830.8	5876	10.37	10.1 -10.63	38%
2020	495364.6	2773	5.6	5.39 -5.81	-46%
2021	363387.6	4444	12.23	11.88 -12.59	118%
<b>Average percentage annual change</b>					
17.6%, 95% CI 11.51 to 23.85					
<b>OP sequential preparations</b>					
<b>Year</b>	<b>PYAR</b>	<b>Incident users</b>	<b>Incidence rate per 1000 PYAR</b>	<b>95% Confidence interval</b>	<b>Percentage change</b>
2010	973947.4	2266	2.33	2.23 - 2.42	-
2011	978363.4	2186	2.23	2.14 - 2.33	-4%
2012	977428.6	2219	2.27	2.18 - 2.37	2%
2013	952407.7	2189	2.3	2.2 - 2.4	1%
2014	903885.2	2202	2.44	2.34 - 2.54	6%
2015	804609.4	2188	2.72	2.61 - 2.84	11%
2016	700003.9	2151	3.07	2.95 - 3.21	13%
2017	630982.6	2280	3.61	3.47 - 3.76	18%
2018	591937.6	1987	3.36	3.21 - 3.51	-7%
2019	558194.4	2170	3.89	3.73 - 4.05	16%
2020	490795.2	1074	2.19	2.06 - 2.32	-44%
2021	362310.2	908	2.51	2.35 - 2.67	15%
<b>Average percentage annual change</b>					
4.39%, 95% CI 0.98 to 7.80					
<b>Oestrogens</b>					
<b>Year</b>	<b>PYAR</b>	<b>Incident users</b>	<b>Incidence rate per 1000 PYAR</b>	<b>95% Confidence interval</b>	<b>Percentage change</b>
2010	965049.8	2444	2.53	2.43 - 2.63	-
2011	969373	2595	2.68	2.58 - 2.78	6%
2012	968588.1	2385	2.46	2.37 - 2.56	-8%
2013	943840.7	2249	2.38	2.29 - 2.48	-3%
2014	895449.7	2307	2.58	2.47 - 2.68	8%
2015	796825.9	2131	2.67	2.56 - 2.79	3%
2016	693840.2	2089	3.01	2.88 - 3.14	13%
2017	626679.2	2373	3.79	3.64 - 3.94	26%

<b>2018</b>	588090.8	2473	4.21	4.04 - 4.37	11%
<b>2019</b>	553914.5	3789	6.84	6.63 - 7.06	62%
<b>2020</b>	485463.8	3119	6.42	6.2 - 6.65	-6%
<b>2021</b>	357439	3802	10.64	10.3 - 10.98	66%
<b>Average percentage annual change</b>					
16.7%, 95% CI 10.50 to 22.80					
<b>Progestins</b>					
<b>Year</b>	<b>PYAR</b>	<b>Incident users</b>	<b>Incidence rate per 1000 PYAR</b>	<b>95% Confidence interval</b>	<b>Percentage change</b>
<b>2010</b>	1006999	1998	1.98	1.9 - 2.07	-
<b>2011</b>	1003026	1959	1.95	1.87 - 2.04	-2%
<b>2012</b>	993317.6	1889	1.9	1.82 - 1.99	-3%
<b>2013</b>	959832	1807	1.88	1.8 - 1.97	-1%
<b>2014</b>	902868.7	1708	1.89	1.8 - 1.98	1%
<b>2015</b>	796745.7	1582	1.99	1.89 - 2.09	5%
<b>2016</b>	687853.8	1214	1.76	1.67 - 1.87	-12%
<b>2017</b>	615513.7	1197	1.94	1.84 - 2.06	10%
<b>2018</b>	574153.7	1134	1.98	1.86 - 2.09	2%
<b>2019</b>	538181.3	1926	3.58	3.42 - 3.74	81%
<b>2020</b>	469589.3	2118	4.51	4.32 - 4.71	26%
<b>2021</b>	342941.9	2124	6.19	5.94 - 6.46	37%
<b>Average percentage annual change</b>					
13.24%, 95% CI 5.40 to 21.00					

Table S5: Annual incidence rate of prescribing of HRT by route of administration

Oral formulations of HRT					
Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	776658.7	4877	6.28	6.11 - 6.46	-
2011	775489.2	4935	6.36	6.19 - 6.54	1.3%
2012	770017.4	5010	6.51	6.33 - 6.69	2.4%
2013	746137.2	4904	6.57	6.39 - 6.76	0.9%
2014	703538.8	4876	6.93	6.74 - 7.13	5.5%
2015	623461.7	4190	6.72	6.52 - 6.93	-3.0%
2016	540964.2	3862	7.14	6.92 - 7.37	6.3%
2017	486156.8	3856	7.93	7.69 - 8.19	11.1%
2018	454263.2	3512	7.73	7.48 - 7.99	-2.5%
2019	426454.3	4673	10.96	10.65 - 11.28	41.8%
2020	372572.2	3056	8.2	7.92 - 8.5	-25.2%
2021	273014.7	2854	10.45	10.08 - 10.84	27.4%
Average percentage annual change					
1.67%, 95% CI -0.58 to 3.92					
Local formulations of HRT					
Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	1115448	626	0.56	0.52 - 0.61	-
2011	1117796	715	0.64	0.59 - 0.69	14.3%
2012	1113831	603	0.54	0.5 - 0.59	-15.6%
2013	1082218	467	0.43	0.39 - 0.47	-20.4%
2014	1024639	465	0.45	0.41 - 0.5	4.7%
2015	909065.4	487	0.54	0.49 - 0.59	20.0%
2016	788467.2	544	0.69	0.63 - 0.75	27.8%
2017	709369.9	619	0.87	0.81 - 0.94	26.1%
2018	664379.6	886	1.33	1.25 - 1.42	52.9%
2019	625031.1	1999	3.2	3.06 - 3.34	140.6%
2020	547347.5	2060	3.76	3.6 - 3.93	17.5%
2021	402725.8	2382	5.91	5.68 - 6.16	57.2%
Average percentage annual change					
34.11%, 95% CI 20.67 to 47.56					
Transdermal formulations of HRT					
Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	1045147	1546	1.48	1.41 - 1.55	-
2011	1048583	1669	1.59	1.52 - 1.67	7.4%
2012	1046217	1533	1.47	1.39 - 1.54	-7.5%
2013	1017653	1598	1.57	1.5 - 1.65	6.8%
2014	963992.3	1682	1.74	1.66 - 1.83	10.8%
2015	855527.7	1697	1.98	1.89 - 2.08	13.8%
2016	742027.7	2306	3.11	2.98 - 3.24	57.1%
2017	667647.4	3286	4.92	4.76 - 5.09	58.2%
2018	623474.1	3837	6.15	5.96 - 6.35	25.0%

<b>2019</b>	584067.9	4799	8.22	7.99 - 8.45	33.7%
<b>2020</b>	510607.6	2460	4.82	4.63 - 5.01	-41.4%
<b>2021</b>	373830.5	5439	14.55	14.17 - 14.94	201.9%
<b>Average percentage annual change</b>					
31.51%, 95% CI 20.90 to 42.12					

Table S6: Annual incidence rate of prescribing of testosterone in menopausal women

Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	1129420	182	0.16	0.14 - 0.19	-
2011	1132169	179	0.16	0.14 - 0.18	0%
2012	1128491	163	0.14	0.12 - 0.17	-13%
2013	1096854	86	0.08	0.06 - 0.1	-43%
2014	1038726	104	0.1	0.08 - 0.12	25%
2015	921423.4	84	0.09	0.07 - 0.11	-10%
2016	799220	103	0.13	0.11 - 0.16	44%
2017	719253	136	0.19	0.16 - 0.22	46%
2018	674166.1	107	0.16	0.13 - 0.19	-16%
2019	635091.2	114	0.18	0.15 - 0.22	13%
2020	558007.8	88	0.16	0.13 - 0.19	-11%
2021	411455.5	135	0.33	0.28 - 0.39	106%
<b>Average percentage annual change</b>					
13%, 95% CI 5.20 to 20.81					

Table S7: Annual incidence rate of prescribing of HRT by age group

<b>50-59 years old</b>					
Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	217,437.43	4168	19.17	18.6 - 19.76	-
2011	222,947.38	4154	18.63	18.07 - 19.21	-2.8%
2012	227,179.65	4337	19.09	18.53 - 19.67	2.5%
2013	225,845.85	4316	19.11	18.55 - 19.69	0.1%
2014	193,374.55	4387	22.69	22.03 - 23.37	18.7%
2015	196,315.04	3910	19.92	19.3 - 20.55	-12.2%
2016	172,848.39	3800	21.98	21.3 - 22.69	10.3%
2017	156,709.04	4229	26.99	26.19 - 27.81	22.8%
2018	145,419.95	4085	28.09	27.24 - 28.97	4.1%
2019	134,123.23	4653	34.69	33.71 - 35.7	23.5%
2020	115,622.43	2603	22.51	21.66 - 23.39	-35.1%
2021	82,320.87	4454	54.11	52.54 - 55.72	140.4%
<b>Average percentage annual change</b>					
11.71%, 95% CI 4.45 to 18.98					
<b>60-69 years old</b>					
Year	PYAR	Incident users	Incidence rate per 1000 PYAR	95% Confidence interval	Percentage change
2010	178,985.51	251	1.4	1.24 - 1.59	-
2011	180,296.73	270	1.5	1.33 - 1.69	7.1%
2012	179,827.19	225	1.25	1.1 - 1.43	-16.7%
2013	175,680.30	203	1.16	1.01 - 1.33	-7.2%
2014	165,732.18	201	1.21	1.06 - 1.39	4.3%
2015	149,744.29	200	1.34	1.16 - 1.53	10.7%

<b>2016</b>	130,898.91	185	1.41	1.22 - 1.63	5.2%
<b>2017</b>	117,558.60	197	1.68	1.46 - 1.93	19.1%
<b>2018</b>	111,110.79	189	1.7	1.47 - 1.96	1.2%
<b>2019</b>	106,280.15	221	2.08	1.82 - 2.37	22.4%
<b>2020</b>	95,835.81	108	1.13	0.93 - 1.36	-45.7%
<b>2021</b>	72,031.57	172	2.39	2.06 - 2.77	111.5%
Average percentage annual change					
7.73%, 95% CI 1.72 to 13.74					
<b>70-79 years old</b>					
<b>Year</b>	<b>PYAR</b>	<b>Incident users</b>	<b>Incidence rate per 1000 PYAR</b>	<b>95% Confidence interval</b>	<b>Percentage change</b>
<b>2010</b>	173396.93	86	0.5	0.4 - 0.61	-
<b>2011</b>	166652.25	109	0.65	0.54 - 0.79	30.0%
<b>2012</b>	160924.89	92	0.57	0.47 - 0.7	-12.3%
<b>2013</b>	152990.68	76	0.5	0.4 - 0.62	-12.3%
<b>2014</b>	142041.43	57	0.4	0.31 - 0.52	-20.0%
<b>2015</b>	122826.83	70	0.57	0.45 - 0.72	42.5%
<b>2016</b>	106256.61	62	0.58	0.45 - 0.75	1.8%
<b>2017</b>	96587.35	49	0.51	0.38 - 0.67	-12.1%
<b>2018</b>	90719.42	57	0.63	0.48 - 0.81	23.5%
<b>2019</b>	85584.63	46	0.54	0.4 - 0.72	-14.3%
<b>2020</b>	75554.76	25	0.33	0.22 - 0.49	-38.9%
<b>2021</b>	56014.3	17	0.3	0.19 - 0.49	-9.1%
Average percentage annual change					
-1.9%, 95% CI -6.46 to 2.65					
<b>&gt;80 years old</b>					
<b>Year</b>	<b>PYAR</b>	<b>Incident users</b>	<b>Incidence rate per 1000 PYAR</b>	<b>95% Confidence interval</b>	<b>Percentage change</b>
<b>2010</b>	166772.23	84	0.5	0.41 - 0.62	-
<b>2011</b>	165729.37	89	0.54	0.44 - 0.66	8.0%
<b>2012</b>	162913.54	77	0.47	0.38 - 0.59	-13.0%
<b>2013</b>	154074.5	59	0.38	0.3 - 0.49	-19.1%
<b>2014</b>	143869.92	45	0.31	0.23 - 0.42	-18.4%
<b>2015</b>	123574.51	55	0.45	0.34 - 0.58	45.2%
<b>2016</b>	104064.94	40	0.38	0.28 - 0.52	-15.6%
<b>2017</b>	91167.53	27	0.3	0.2 - 0.43	-21.1%
<b>2018</b>	83442.81	29	0.35	0.24 - 0.5	16.7%
<b>2019</b>	77211.63	24	0.31	0.21 - 0.46	-11.4%
<b>2020</b>	65501.7	25	0.38	0.26 - 0.56	22.6%
<b>2021</b>	47237.25	11	0.23	0.13 - 0.42	-39.5%
Average percentage annual change					
-2.48%, 95% CI -6.09 to 1.13					

Table S8: Annual prescribing prevalence of HRT medicines in menopausal women

Year	Prevalent Users	Mid-year population	Prevalence Per 100 persons	Percentage change
2010	109246	1385241	7.89	-
2011	102429	1369766	7.48	-5%
2012	95673	1339055	7.14	-4%
2013	89081	1282937	6.94	-3%
2014	81696	1199968	6.81	-2%
2015	71215	1048547	6.79	0%
2016	59378	896120	6.63	-2%
2017	53181	796059	6.68	1%
2018	50749	736119	6.89	3%
2019	50761	682658	7.44	8%
2020	40896	596105	6.86	-8%
Average percentage annual change				
-0.38%, 95% CI -1.4 to 0.79				