

## APPENDIX 1. LITERATURE SEARCH STRATEGY

CLINICAL CONSENSUS NUMBER 3

*General Approaches to Medical Management of Menstrual Suppression*

**Database:** Ovid MEDLINE(R) 1946 to December Week 1 2020 (searched December 17, 2020)

- All searches were limited to human and English.
- Initial searches were conducted in December of 2020 and were limited to 2000-present.
- A bridge search was conducted in March of 2022, limited to 2020-present.

**Menstrual Suppression**

Line	Search	Results
1	menstrual cycle/ or menstruation/ or menarche/ or menstruation disturbances/ or amenorrhea/ or oligomenorrhea/ or menorrhagia/	49204
2	(menstru\$ or menses or menarch\$ or amenorrh\$ or oligomenorr\$ or menorrhagh\$).ti.	18117
3	1 or 2	50324
4	(suppress\$ or manipulats\$ or manage\$ or extended cycl\$).ti.	476045
5	3 and 4	955
6	(menstru\$ adj manage\$).ti,ab.	49
7	((menstru\$ or menses or menarch\$) adj3 (suppress\$ or manipulats\$ or extended cycl\$)).ti,ab.	231
8	5 or 6 or 7	1140
9	limit 8 to (english language and humans)	999
10	limit 9 to yr="2000 -Current"	637
11	Developing Countries/	73743
12	(Developing adj3 Countr\$).ti,ab.	50288
13	(Third adj World adj Countr\$).ti,ab.	928
14	(low adj3 middle adj3 income\$).ti.	3040
15	11 or 12 or 13	106072
16	Moldova/ or Botswana/ or Gabon/ or Paraguay/ or Egypt/ or Turkmenistan/ or Indonesia/ or Palestine.mp. or Vietnam/ or Philippines/ or El Salvador/ or Bolivia/ or South Africa/ or Kyrgyzstan/ or Iraq/ or Cabo Verde/ or Morocco/ or Nicaragua/ or Guatemala/ or Namibia/ or Guyana/ or Micronesia/ or Tajikistan/ or Honduras/ or India/ or Bhutan/ or (Timor adj Leste).mp. or Vanuatu/ or Congo/ or Equatorial Guinea/ or Kiribati/ or Laos/ or Bangladesh/ or Ghana/ or Zambia/ or "Sao Tome And Principe"/ or Cambodia/ or Nepal/ or Myanmar/ or Kenya/ or Pakistan/ or Swaziland/ or Syria/ or Angola/ or Tanzania/ or Nigeria/ or Cameroon/ or Papua New Guinea/ or Zimbabwe/ or Solomon Islands/ or Mauritania/ or Madagascar/ or Rwanda/ or Comoros/ or Lesotho/ or Senegal/ or Haiti/ or Uganda/ or Sudan/ or Togo/ or Benin/ or Yemen/ or Afghanistan/ or Malawi/ or Cote d'Ivoire/ or Djibouti/ or Gambia/ or Ethiopia/ or Mali/ or "Democratic Republic Of The Congo"/ or Liberia/ or Guinea-Bissau/ or Eritrea/ or Sierra	411474

	Leone/ or Mozambique/ or South Sudan/ or Guinea/ or Burundi/ or Burkina Faso/ or Chad/ or Niger/ or Central African Republic/ or "Democratic People's Republic Of Korea"/ or somalia/	
17	15 or 16	482739
18	10 not 17	587
19	exp *blood coagulation disorders/	74645
20	(bleeding disorder\$ or willebrand).ti.	7260
21	19 or 20	78457
22	18 not 21	560
23	contraceptives, oral/ or exp contraceptives, oral, combined/ or exp contraceptives, oral, hormonal/ or contraceptives, oral, sequential/ or contraceptives, oral, synthetic/ or exp contraceptive agents, hormonal/	55577
24	((contracept\$ or cycl\$) adj3 (continuous\$ or extended or regimen\$)).ti,ab.	7190
25	(seasonale or saisonique or nuvaring or annovera).ti,ab.	117
26	((contracept\$ or vaginal\$ or intravaginal\$ or intra-vaginal\$) adj3 ring\$).ti,ab.	1143
27	segesterone.ti,ab.	11
28	(contracept\$ or ethinyl estradiol).ti.	31036
29	administration cutaneous/ and (contraceptive devices female/ or contraceptive devices/ or exp contraceptive agents female/ or exp contraceptive agents/)	635
30	evra.ti,ab.	59
31	((transdermal\$ or patch\$) adj3 contracept\$).ti,ab.	318
32	desogestrel/ or levonorgestrel/ or norethindrone/ or norethynodrel/ or norgestrel/ or norgestrienone/	11229
33	(desogestrel or levonorgestrel or norethindrone or norethynodrel or norgestrel or norgestrienone or drospirenone or aygestin or mini-pill\$ or progesterone only contracept or progesterone only pill\$ or progestogen only contracept\$ or progestogen only pill\$).ti,ab.	7757
34	medroxyprogesterone 17-acetate/ or medroxyprogesterone/	7030
35	(injections/ or injections, intramuscular/) and (exp contraceptive agents female/ or exp contraceptive agents/)	1329
36	(depo-medroxyprogesterone or medroxyprogesterone or depo provera or dmpa or depo-subq or depoprovera or depot).ti,ab.	15594
37	(inject\$ adj3 contracept\$).ti,ab.	1324
38	(drug implants/ or implant\$.ti.) and (exp contraceptive devices female/ or exp contraceptive devices/ or exp contraceptive agents female/ or exp contraceptive agents/ or desogestrel/ or levonorgestrel/)	2136
39	((contracept\$ or etonorgestrel or etonogestrel or levonorgestrel or desogestrel) adj3 (implant\$ or subdermal or transdermal)).ti,ab.	1657
40	(Nexplanon or Implanon or Norplant).ti,ab.	1253
41	intrauterine devices/ or intrauterine devices, medicated/ or Long-Acting Reversible Contraception/	10373
42	(iud or iuds or iucd or iucds or lng-ius or lng-iud or Mirena or skyla or liletta or Kyleena or long acting reversible contracept\$ or larc).ti,ab.	10119

43	((intrauterine or intra-uterine) adj3 (device\$ or contracept\$ or system\$ or levonorgestrel)).ti,ab.	8408
44	Gonadotropin-Releasing Hormone/ag, aa	8357
45	nafarelin/ or goserelin/ or leuprolide/ or buserelin/ or triptorelin pamoate/ or danazol/	9833
46	((gnrh or gonadotropin releasing hormone or gonadotrophin releasing hormone) adj3 (agonist\$ or analog\$)).ti,ab.	8890
47	(elagolix or orilissa or nafarelin or goserelin or leuprolide or buserelin).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	6897
48	testosterone/	68176
49	(testosterone or testoviron\$).ti,ab.	73124
50	23 or 24 or 25 or 26 or 27 or 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42 or 43 or 44 or 45 or 46 or 47 or 48 or 49	196619
51	22 and 50	255
52	Counseling/ or Directive counseling/ or motivational interviewing/ or Health Knowledge, Attitudes, Practice/ or Professional-patient relations/ or physician-patient relations/ or Patient compliance/ or exp informed consent/ or consent forms/ or decision support techniques/ or decision making/ or choice behavior/ or decision making, shared/ or medication adherence/ or patient satisfaction/ or patient preference/ or patient participation/ or treatment refusal/ or "treatment adherence and compliance"/ or patient acceptance of health care/	581810
53	(Counsel\$ or consent\$ or decision\$ or decide\$ or adheren\$ or satisf\$ or prefer\$).ti,ab.	1193320
54	Weight gain/ or fertility/ or fertility preservation/ or gynecological exam/ or pregnancy tests/ or pregnancy tests, immunologic/ or quality of life/	267769
55	(myth\$ or weight gain\$ or fertil\$ or belief\$ or pregnancy test\$).ti,ab.	279486
56	((pelvic or vaginal or Gynecol\$ or Gynaecol\$) adj3 exam\$).ti,ab.	7844
57	adolescent/ or adolescent medicine/ or adolescent health services/ or adolescent psychiatry/ or adolescent behavior/	1997387
58	(adolesc\$ or teen\$ or girl\$ or young adult\$ or young people or young woman* or young women*).ti,ab.	446615
59	52 or 53 or 54 or 55 or 56	1956977
60	22 and 59	203
61	57 and 58	288876
62	60 and 61	50
63	60 not 62	153
64	exp drug interactions/ or contraindications/ or contraindications, drug/ or exp "Drug-Related Side Effects and Adverse Reactions"/	285279
65	((drug\$ or medication\$) adj3 (interact\$ or contraindicat\$ or contra-indicat\$ or side effect\$ or adverse reaction\$)).ti,ab.	55323
66	anticonvulsants/	50603

67	((drug\$ or medication\$ or agent\$) adj3 (anticonvuls\$ or anti-convuls\$ or antiepileptic or anti-epileptic or seizure\$ or epileps\$)).ti,ab.	28727
68	(drug\$ or medication\$ or agent\$).ti,ab. and (seizures/ or epilepsy/)	25258
69	(Orkambi or Lumacaftor or ivacaftor or Brivaracetam or Cannabidiol or Epidiolex or Carbamazepine\$ or Epitol or Tegretol\$ or Carbatrol or Cenobamate or Xcopri or Clobazam or Onfi or Sympazan or Clonazepam or Epiril or Klonopin or Rivotril or Diazepam or Valtoco or Diastat or Divalproex or Depacon or Depakote\$ or Epival or Eslicarbazepine or Aptiom or Ethosuximide or Zarontin or Ezogabine or Potiga or Felbamate or Felbatol or Fenfluramine or Gabapentin or Neurontin or Lacosamide or Vimpat or Lamotrigine or Lamictal or Levetiracetam\$ or Keppra\$ or Roweepra or Lorazepam or Ativan or Midazolam or Nayzilam or Oxcarbazepine or Oxtellar or Trileptal or Perampanel or Fycompa or Phenobarbital or Phenytoin or Dilantin or Epanutin or Phenytek or Pregabalin or Lyrica or Primidone or Mysoline or Rufinamide or Banzel or Inovelon or Stiripentol or Diacomit or Tiagabine Hydrochloride or Gabitril or Topiramate or Topamax or Qudexy or Trokendi or Valproic Acid or Convulex or Depakene or Depakine or Orfiril or Valporal or Valprosid or Vigabatrin or Sabril or Zonisamide or Zonegran).mp.	124119
70	antipsychotic agents/	52816
71	(antipsychotic\$ or anti-psychotic\$ or neuroleptic\$ or tranquiliz\$ or tranquilis\$).ti,ab.	52809
72	(Chlorpromazine or Largactil or Haloperidol or Haldol or Perphenazine or Trilafon or Fluphenazine or Risperidone or Risperdal or Olanzapine or Zyprexa or Quetiapine or Seroquel or Ziprasidone or Zeldox or Aripiprazole or Abilify or Paliperidone or Invega or clozapine or Clozaril or flupenthixol or Fluaxol or afluphenazine or Modecate or loxapine or Loxapac or pimozide or Orap or trifluoperazine or Stelazine or thiothixene or Navane or zuclopenthixol or Clopixol).mp.	71391
73	(contraindicat\$ or contra-indicat\$).ti,ab.	42680
74	64 or 65 or 66 or 67 or 68 or 69 or 70 or 71 or 72 or 73	593981
75	22 and 74	36
76	transgender persons/ or health services for transgender persons/ or "sexual and gender minorities"/ or gender identity/ or sex reassignment procedures/ or sex reassignment surgery/	24307
77	(transgender\$ or nonbinary or non-binary or gender identity or transmen\$ or trans man\$ or trans men\$ or trans or gender affirm\$ or gender confirm\$ or gender minorit\$ or gender divers\$ or gender expans\$).ti,ab.	104492
78	76 or 77	124047
79	22 and 78	13
80	developmental disabilities/ or exp intellectual disability/ or down syndrome/ or exp neurocognitive disorders/ or neurodevelopmental disorders/ or communication disorders/ or cognition disorders/ or exp disabled persons/ or Health Services for Persons with Disabilities/ or exp paralysis/ or exp musculoskeletal diseases/ or exp genetic diseases, inborn/ or exp congenital abnormalities/ or cerebral palsy/ or exp neurobehavioral manifestations/ or exp muscular disorders, atrophic/	2443920

81	((cognitive\$ or physical\$ or development\$ or intellectual\$) adj3 (disabled or disabilit\$ or handicap\$ or challenge\$ or delay\$)).ti,ab.	58027
82	(disabled\$ or disabilit\$ or handicap\$ or down\$ syndrome or wheelchair or paraly\$ or hemipleg\$ or parapleg\$ or quadripleg\$ or cerebral palsy).ti,ab.	298023
83	80 or 81 or 82	2593937
84	22 and 83	87
85	(equit\$ or inequit\$ or inequalit\$ or disparit\$ or equality).ti,ab.	98885
86	(ethnic\$ or race or racial\$ or racis\$ or prejudic\$ or race-relat\$).ti,ab.	200875
87	(implicit adj3 bias).ti,ab.	509
88	((bias or prejudic\$ or racis\$) and (unconciou\$ or implicit\$ or institutional\$ or structural\$ or dismantl\$)).ti,ab.	5412
89	((social\$ or socio-economic or socioeconomic or economic or structural or material) adj3 (advantage\$ or disadvantage\$ or exclude\$ or exclusion or include\$ or inclusion or status or position or gradient\$ or hierarch\$ or class\$ or determinant\$)).ti,ab.	100498
90	(disproportionate risk\$ or systemic barrier\$).ti,ab.	455
91	(health adj3 (gap\$ or gradient\$ or hierarch\$)).ti,ab.	2913
92	(SES or SEP or sociodemographic\$ or socio-demographic\$ or income or wealth\$ or poverty or educational level or (level adj education\$) or educational attainment or well educated or better educated or unemploy\$ or home owner\$ or tenure or affluen\$ or well off or better off or worse off).ti,ab.	231404
93	(socio-economic or socioeconomic).ti,ab.	97581
94	((African or Black) adj3 American\$).ti,ab.	48382
95	(Hispanic\$ or Latino\$ or Latina\$ or Latinx or Asian American\$).ti,ab.	48884
96	Vulnerable populations/ or medically underserved area/ or Socioeconomic factors/ or Social segregation/ or Race factors/ or Race relations/ or Racism/ or Prejudice/ or Poverty/ or Social class/ or Healthcare disparities/ or Health status disparities/ or Poverty areas/ or Urban population/ or Rural Population/ or Ethnic groups/ or African Americans/ or Hispanic Americans/ or Asian Americans/	446944
97	Medically uninsured/ or health services accessibility/	78813
98	military personnel/ or military health/ or military health services/ or military medicine/ or military deployment/	60277
99	(uninsur\$ or underinsure\$ or military or deploy\$).ti,ab.	80868
100	(access\$ or barrier\$).ti.	101870
101	85 or 86 or 87 or 88 or 89 or 90 or 91 or 92 or 93 or 94 or 95 or 96 or 97 or 98 or 99 or 100	1066197
102	22 and 101	35
103	exp economics/ or ec.fs.	727828
104	(cost or costs or economic\$).ti.	129297
105	(expenditure\$ not energy).mp.	39951
106	exp "Costs and Cost Analysis"/	233952
107	103 or 104 or 105 or 106	754171
108	22 and 107	15
109	102 or 108	50

110	headache/ or exp headache disorders/	58039
111	premenstrual syndrome/ or premenstrual dysphoric disorder/ or dysmenorrhea/	7659
112	(headache\$ or migraine\$).ti,ab.	87784
113	(premenstrual syndrome or pms or premenstrual dysphoric disorder or pmdd or dysmenorrhea).ti,ab.	10419
114	110 or 111 or 112 or 113	112907
115	22 and 114	66
116	51 or 62 or 63 or 75 or 79 or 84 or 109	414
117	115 not 116	19

**Database:** PubMed (searched March 7, 2022)

Line	Search	Results
1	(supress*[tiab] OR manipulat*[tiab])	215724
2	(menarche[tiab] OR menses[tiab] OR menstru*[tiab])	63785
3	#1 AND #2	324
4	(disab*[tiab] OR special need*[tiab])	263066
5	#3 NOT #4	312
6	english[la] AND (publisher[sb] OR inprocess[sb] OR pubmednotmedline[sb] OR (pubstatusnihms AND publisher[sb]) OR (pubstatuspmcsd AND publisher[sb]))	4625211
7	#5 AND #6	31
8	#5 AND #6 from 2000 – 2022	29

## Menstrual Suppression – Health Equity and Subpopulations

**Database:** Ovid MEDLINE(R) 1946 to September Week 4 2021 (searched October 4, 2021)

Line	Search	Results
1	menstrual cycle/ or menstruation/ or menarche/ or menstruation disturbances/ or amenorrhea/ or oligomenorrhea/ or menorrhagia/	51099
2	(menstru\$ or menses or menarch\$ or amenorrh\$ or oligomenorr\$ or menorrhagh\$).ti.	19161
3	1 or 2	52333
4	(suppress\$ or manipulats\$ or manage\$ or extended cycl\$).ti.	519113
5	3 and 4	1016
6	(menstru\$ adj manage\$).ti,ab.	63
7	((menstru\$ or menses or menarch\$) adj3 (suppress\$ or manipulats\$ or extended cycl\$)).ti,ab.	252
8	5 or 6 or 7	1224
9	limit 8 to (english language and humans)	1082
10	limit 9 to yr="2000 -Current"	31
11	Developing Countries/	77749
12	(Developing adj3 Countr\$).ti,ab.	55016

13	(Third adj World adj Countr\$).ti,ab.	953
14	(low adj3 middle adj3 income\$).ti.	4372
15	11 or 12 or 13	114659
16	Moldova/ or Botswana/ or Gabon/ or Paraguay/ or Egypt/ or Turkmenistan/ or Indonesia/ or Palestine.mp. or Vietnam/ or Philippines/ or El Salvador/ or Bolivia/ or South Africa/ or Kyrgyzstan/ or Iraq/ or Cabo Verde/ or Morocco/ or Nicaragua/ or Guatemala/ or Namibia/ or Guyana/ or Micronesia/ or Tajikistan/ or Honduras/ or India/ or Bhutan/ or (Timor adj Leste).mp. or Vanuatu/ or Congo/ or Equatorial Guinea/ or Kiribati/ or Laos/ or Bangladesh/ or Ghana/ or Zambia/ or "Sao Tome And Principe"/ or Cambodia/ or Nepal/ or Myanmar/ or Kenya/ or Pakistan/ or Swaziland/ or Syria/ or Angola/ or Tanzania/ or Nigeria/ or Cameroon/ or Papua New Guinea/ or Zimbabwe/ or Solomon Islands/ or Mauritania/ or Madagascar/ or Rwanda/ or Comoros/ or Lesotho/ or Senegal/ or Haiti/ or Uganda/ or Sudan/ or Togo/ or Benin/ or Yemen/ or Afghanistan/ or Malawi/ or Cote d'Ivoire/ or Djibouti/ or Gambia/ or Ethiopia/ or Mali/ or "Democratic Republic Of The Congo"/ or Liberia/ or Guinea-Bissau/ or Eritrea/ or Sierra Leone/ or Mozambique/ or South Sudan/ or Guinea/ or Burundi/ or Burkina Faso/ or Chad/ or Niger/ or Central African Republic/ or "Democratic People's Republic Of Korea"/ or somalia/	456545
17	15 or 16	533940
18	10 not 17	24
19	exp *blood coagulation disorders/	78818
20	(bleeding disorder\$ or willebrand).ti.	7667
21	19 or 20	82812
22	18 not 21	22
23	(equit\$ or inequit\$ or inequalit\$ or disparit\$ or equality).ti,ab.	118110
24	(ethnic\$ or race or racial\$ or identit\$).ti. or (racis\$ or prejudic\$ or race-relat\$).ti,ab.	70634
25	(implicit adj3 bias).ti,ab.	719
26	((bias or prejudic\$ or racis\$) and (unconciou\$ or implicit\$ or institutional\$ or structural\$ or dismantl\$)).ti,ab.	6909
27	((social\$ or socio-economic or socioeconomic or economic\$ or structural or material) adj3 (advantage\$ or disadvantage\$ or exclude\$ or exclusion or include\$ or inclusion or status or position or gradient\$ or hierarch\$ or class\$ or determinant\$)).ti,ab.	116381
28	(disproportionate risk\$ or systemic barrier\$).ti,ab.	595
29	((health adj3 (gap\$ or gradient\$ or hierarch\$)) or health services).ti,ab.	69904
30	(SES or SEP or sociodemographic\$ or socio-demographic\$ or income or wealth\$ or poverty or educational level or (level adj education\$) or educational attainment or well educated or better educated or unemploy\$ or home owner\$ or tenure or affluen\$ or well off or better off or worse off).ti,ab.	270832
31	(socio-economic or socioeconomic).ti.	19678
32	mistrust.ti,ab.	2174
33	bias.ti.	17152
34	((African or Black) adj3 American\$).ti.	17113
35	(Hispanic\$ or Latino\$ or Latina\$ or Latinx or Asian American\$).ti.	14920
36	Vulnerable populations/ or medically underserved area/ or Socioeconomic factors/ or Social segregation/ or Race factors/ or Race relations/ or Racism/ or Prejudice/ or Poverty/ or Social class/ or Healthcare disparities/ or Health status disparities/ or	501368

	Poverty areas/ or Urban population/ or Rural Population/ or Ethnic groups/ or *African Americans/ or *Hispanic Americans/ or *Asian Americans/ or *Native Americans/ or *Pacific Islanders/ or Social Determinants of Health/ or Social Marginalization/ or *Health services accessibility/ or Resource Allocation/	
37	(marginalized adj3 identit\$).mp.	72
38	(resource\$ adj3 (stratif\$ or allocat\$)).ti,ab.	16682
39	or/23-38	895313
40	limit 39 to (english language and humans)	745365
41	*insurance, health/ or medically uninsured/	28808
42	exp medicare/ or medicaid/ or medical assistance/	69948
43	national health insurance, united states/ or "patient protection and affordable care act"/ or health insurance exchanges/	10242
44	(uninsured or underinsured or under-insured or affordable care act).ti,ab.	12075
45	(insured or insurance).ti.	24007
46	or/41-45	116085
47	limit 46 to (english language and humans)	82675
48	environment/ or environmental health/ or *social environment/ or environment\$.ti,ab.	945079
49	limit 48 to (english language and humans)	467420
50	"Transients and Migrants"/ or "Emigrants and Immigrants"/ or "Emigration and Immigration"/ or "Undocumented Immigrants"/ or Refugees/	56050
51	(alien\$ or emigrant\$ or foreigner\$ or Immigrant\$ or migran\$ or refugee\$ or border crossing or chain migration or emigration or in-migration or international migration).ti,ab.	65874
52	or/50-51	88715
53	limit 52 to (english language and humans)	60948
54	(veteran\$ or military).ti,ab.	73306
55	veterans/ or veterans health/ or veterans disability claims/ or united states department of veterans affairs/ or hospitals, veterans/ or veterans health services/ or military family/ or military personnel/ or military facilities/ or psychology, military/ or military psychiatry/ or military medicine/ or hospitals, military/ or military deployment/ or military health services/ or military health/	94170
56	limit 54 to (english language and humans)	60264
57	exp Homeless Persons/ or Public Housing/	10960
58	(homeless\$ or public housing).ti.	6281
59	or/57-58	11133
60	limit 59 to (english language and humans)	10342
61	Prisoners/ or Prisons/ or jails/ or Correctional Facilities/	23896
62	(incarcerat\$ or prison\$).ti,ab.	23564
63	limit 62 to (english language and humans)	19880
64	substance related disorders/ or substance abuse, intravenous/ or substance withdrawal syndrome/ or (substance abus\$ or substance misus\$ or substance use\$).ti.	134447
65	"substance use disorder".mp.	5646
66	or/64-65	136141
67	limit 66 to (english language and humans)	115061



68	Gender Identity/ or transgender person/ or Health Services for Transgender Persons/ or transsexualism/ or exp sex reassignment procedures/ or "Sexual and Gender Minorities"/	30753
69	(lesbian\$ or gay\$ or homosexual\$ or bisexual\$ or lgbt\$ or sexual orientation or gender divers\$).ti,ab.	28976
70	(sex reassign\$ or gender confirm\$ or gender affirm\$ or gender change or gender reassign\$ or sex change or gender identity disorder\$).ti,ab.	2524
71	(transgender\$ or transsexual\$ or gender identity or gender fluid\$ or nonbinary or non-binary or gender nonconform\$ or gender non-conform\$).ti,ab.	9900
72	(transgender\$ adj3 health\$).ti,ab.	731
73	Gender Dysphoria/ or (gender adj3 dysphor\$).ti,ab.	1192
74	Homophobia/ or homophob\$.ti,ab. or transphob\$.mp. or queer\$.ti,ab. or genderqueer.ti,ab. or agender.ti,ab.	2884
75	or/68-74	55773
76	limit 75 to (english language and humans)	48790
77	40 or 46 or 49 or 53 or 56 or 67 or 76	1456385
78	22 and 40	1
79	22 and 47	0
80	22 and 60	0
81	22 and 77	4
82	22 and 67	0
83	22 and 56	3

### Menstruation or Reproductive Health and Incarcerated or Homeless

**Database:** Ovid MEDLINE(R) 1946 to September Week 5 2021 (searched October 8, 2021)

Line	Search	Results
1	menstrual cycle/ or menstruation/ or menarche/ or menstruation disturbances/ or amenorrhea/ or oligomenorrhea/ or menorrhagia/ or menstrual hygiene products/	51427
2	reproductive health/ or reproductive health services/	5925
3	women's health/ or women's health services/	31492
4	(menstru\$ adj3 (product\$ or need\$ or hygien\$ or suppress\$ or manipulats\$ or manage\$)).ti,ab.	907
5	(menstru\$ or menses or reproductive health\$ or women's health\$).ti.	23112
6	limit 5 to english language	20064
7	limit 6 to yr="2000 -Current"	12738
8	exp homeless persons/ or (homeless\$ or unhoused or housing).ti,ab.	37895
9	Prisoners/ or Prisons/ or jails/ or Correctional Facilities/ or (incarcerat\$ or prison\$).ti,ab.	34181
10	8 or 9	70909
11	7 and 10	60

## Menstrual Suppression Bridge Search Including Health Equity and Subpopulations

Database: Ovid MEDLINE(R) 1946 to February Week 4 2022 (searched March 9, 2022)

Line	Search	Results
1	menstrual cycle/ or menstruation/ or menarche/ or menstruation disturbances/ or amenorrhea/ or oligomenorrhea/ or menorrhagia/	51631
2	(menstru\$ or menses or menarch\$ or amenorrh\$ or oligomenorr\$ or menorrhagh\$).ti.	19488
3	1 or 2	52899
4	(suppress\$ or manipulats\$ or manage\$ or extended cycl\$).ti.	535040
5	3 and 4	1035
6	(menstru\$ adj manage\$).ti,ab.	69
7	((menstru\$ or menses or menarch\$) adj3 (suppress\$ or manipulats\$ or extended cycl\$)).ti,ab.	264
8	5 or 6 or 7	1256
9	limit 8 to (english language and humans)	1113
10	limit 9 to yr="2020 -Current"	108
11	Developing Countries/	78760
12	(Developing adj3 Countr\$).ti,ab.	56716
13	(Third adj World adj Countr\$).ti,ab.	966
14	(low adj3 middle adj3 income\$).ti.	4868
15	11 or 12 or 13 or 14	117243
16	Moldova/ or Botswana/ or Gabon/ or Paraguay/ or Egypt/ or Turkmenistan/ or Indonesia/ or Palestine.mp. or Vietnam/ or Philippines/ or El Salvador/ or Bolivia/ or South Africa/ or Kyrgyzstan/ or Iraq/ or Cabo Verde/ or Morocco/ or Nicaragua/ or Guatemala/ or Namibia/ or Guyana/ or Micronesia/ or Tajikistan/ or Honduras/ or India/ or Bhutan/ or (Timor adj Leste).mp. or Vanuatu/ or Congo/ or Equatorial Guinea/ or Kiribati/ or Laos/ or Bangladesh/ or Ghana/ or Zambia/ or "Sao Tome And Principe"/ or Cambodia/ or Nepal/ or Myanmar/ or Kenya/ or Pakistan/ or Swaziland/ or Syria/ or Angola/ or Tanzania/ or Nigeria/ or Cameroon/ or Papua New Guinea/ or Zimbabwe/ or Solomon Islands/ or Mauritania/ or Madagascar/ or Rwanda/ or Comoros/ or Lesotho/ or Senegal/ or Haiti/ or Uganda/ or Sudan/ or Togo/ or Benin/ or Yemen/ or Afghanistan/ or Malawi/ or Cote d'Ivoire/ or Djibouti/ or Gambia/ or Ethiopia/ or Mali/ or "Democratic Republic Of The Congo"/ or Liberia/ or Guinea-Bissau/ or Eritrea/ or Sierra Leone/ or Mozambique/ or South Sudan/ or Guinea/ or Burundi/ or Burkina Faso/ or Chad/ or Niger/ or Central African Republic/ or "Democratic People's Republic Of Korea"/ or somalia/	471506
17	15 or 16	550829
18	10 not 17	87
19	exp *blood coagulation disorders/	80325
20	(bleeding disorder\$ or willebrand).ti.	7824
21	19 or 20	84390
22	18 not 21	80
23	(equit\$ or inequit\$ or inequalit\$ or disparit\$ or equality).ti,ab.	127081
24	(ethnic\$ or race or racial\$ or identit\$).ti. or (racis\$ or prejudic\$ or race-relat\$).ti,ab.	74434
25	(implicit adj3 bias).ti,ab.	828

26	((bias or prejudic\$ or racis\$) and (unconscious\$ or implicit\$ or institutional\$ or structural\$ or dismantl\$)).ti,ab.	7622
27	((social\$ or socio-economic or socioeconomic or economic\$ or structural or material) adj3 (advantage\$ or disadvantage\$ or exclude\$ or exclusion or include\$ or inclusion or status or position or gradient\$ or hierarch\$ or class\$ or determinant\$)).ti,ab.	121974
28	(disproportionate risk\$ or systemic barrier\$).ti,ab.	665
29	((health adj3 (gap\$ or gradient\$ or hierarch\$)) or health services).ti,ab.	72812
30	(SES or SEP or sociodemographic\$ or socio-demographic\$ or income or wealth\$ or poverty or educational level or (level adj education\$) or educational attainment or well educated or better educated or unemploy\$ or home owner\$ or tenure or affluen\$ or well off or better off or worse off).ti,ab.	287188
31	(socio-economic or socioeconomic).ti.	20633
32	mistrust.ti,ab.	2380
33	bias.ti.	17954
34	((African or Black) adj3 American\$).ti.	17667
35	(Hispanic\$ or Latino\$ or Latina\$ or Latinx or Asian American\$).ti.	15602
36	Vulnerable populations/ or medically underserved area/ or Socioeconomic factors/ or Social segregation/ or Race factors/ or Race relations/ or Racism/ or Prejudice/ or Poverty/ or Social class/ or Healthcare disparities/ or Health status disparities/ or Poverty areas/ or Urban population/ or Rural Population/ or Ethnic groups/ or *African Americans/ or *Hispanic Americans/ or *Asian Americans/ or *Native Americans/ or *Pacific Islanders/ or Social Determinants of Health/ or Social Marginalization/ or *Health services accessibility/ or Resource Allocation/	512976
37	(marginalized adj3 identit\$).mp.	89
38	(resource\$ adj3 (stratif\$ or allocat\$)).ti,ab.	17565
39	or/23-38	932261
40	limit 39 to (english language and humans)	779679
41	*insurance, health/ or medically uninsured/	29098
42	exp medicare/ or medicaid/ or medical assistance/	71952
43	national health insurance, united states/ or "patient protection and affordable care act"/ or health insurance exchanges/	10448
44	(uninsured or underinsured or under-insured or affordable care act).ti,ab.	12509
45	(insured or insurance).ti.	24646
46	or/41-45	118927
47	limit 46 to (english language and humans)	85451
48	environment/ or environmental health/ or *social environment/ or environment\$.ti,ab.	985794
49	limit 48 to (english language and humans)	488884
50	"Transients and Migrants"/ or "Emigrants and Immigrants"/ or "Emigration and Immigration"/ or "Undocumented Immigrants"/ or Refugees/	57544
51	(alien\$ or emigrant\$ or foreigner\$ or Immigrant\$ or migran\$ or refugee\$ or border crossing or chain migration or emigration or in-migration or international migration).ti,ab.	68213
52	or/50-51	91272
53	limit 52 to (english language and humans)	63185

54	(veteran\$ or military).ti,ab.	75855
55	veterans/ or veterans health/ or veterans disability claims/ or united states department of veterans affairs/ or hospitals, veterans/ or veterans health services/ or military family/ or military personnel/ or military facilities/ or psychology, military/ or military psychiatry/ or military medicine/ or hospitals, military/ or military deployment/ or military health services/ or military health/	95970
56	limit 54 to (english language and humans)	62657
57	exp Homeless Persons/ or Public Housing/	11352
58	(homeless\$ or public housing).ti.	6589
59	or/57-58	11539
60	limit 59 to (english language and humans)	10742
61	Prisoners/ or Prisons/ or jails/ or Correctional Facilities/	24363
62	(incarcerat\$ or prison\$).ti,ab.	24338
63	limit 62 to (english language and humans)	20620
64	substance related disorders/ or substance abuse, intravenous/ or substance withdrawal syndrome/ or (substance abus\$ or substance misus\$ or substance use\$).ti.	136612
65	"substance use disorder".mp.	6212
66	or/64-65	138509
67	limit 66 to (english language and humans)	117249
68	Gender Identity/ or transgender person/ or Health Services for Transgender Persons/ or transsexualism/ or exp sex reassignment procedures/ or "Sexual and Gender Minorities"/	32871
69	(lesbian\$ or gay\$ or homosexual\$ or bisexual\$ or lgbt\$ or sexual orientation or gender divers\$).ti,ab.	30115
70	(sex reassign\$ or gender confirm\$ or gender affirm\$ or gender change or gender reassign\$ or sex change or gender identity disorder\$).ti,ab.	2782
71	(transgender\$ or transsexual\$ or gender identity or gender fluid\$ or nonbinary or non-binary or gender nonconform\$ or gender non-conform\$).ti,ab.	10913
72	(transgender\$ adj3 health\$).ti,ab.	828
73	Gender Dysphoria/ or (gender adj3 dysphor\$).ti,ab.	1324
74	Homophobia/ or homophob\$.ti,ab. or transphob\$.mp. or queer\$.ti,ab. or genderqueer.ti,ab. or agender.ti,ab.	3150
75	or/68-74	58393
76	limit 75 to (english language and humans)	51289
77	40 or 46 or 49 or 53 or 56 or 67 or 76	1517350
78	22 and 77	16