

Database name: MEDLINE

Database: Ovid MEDLINE(R) <1946 to December 17, 2019>

Search Strategy:

-
- 1 Papillomavirus Infections/ (24693)
 - 2 (papillomavirus adj (human* or infect*)).ti,ab. (3726)
 - 3 hpv*.ti,ab. (36531)
 - 4 exp Hepatitis A/ (20348)
 - 5 exp Hepatitis B/ (56963)
 - 6 ((hepatitis or hep) adj (B or A)).ti,ab. (77275)
 - 7 (HBV or HAV).ti,ab. (39563)
 - 8 or/1-7 (148914)
 - 9 exp Vaccination/ (82370)
 - 10 Immunization/ or Immunization Programs/ or vaccines/ (78346)
 - 11 (vaccin* or immuni*).ti,ab. (457972)
 - 12 booster*.ti,ab. (10253)
 - 13 or/9-12 (492518)
 - 14 Papillomavirus Vaccines/ (7347)
 - 15 Human Papillomavirus Recombinant Vaccine Quadrivalent, Types 6, 11, 16, 18/ (718)
 - 16 Hepatitis B Vaccines/ (9124)
 - 17 Hepatitis A Vaccines/ (1670)
 - 18 (Cervarix or Gardasil).ti,ab. (464)
 - 19 (Ambirix or Twinrix).ti,ab. (68)
 - 20 8 and 13 (31118)
 - 21 14 or 15 or 16 or 17 or 18 or 19 or 20 (33313)
 - 22 (gay adj3 (male* or men)).ti,ab. (3861)
 - 23 Homosexuality, Male/ (14972)
 - 24 "Sexual and Gender Minorities"/ (2698)

- 25 Bisexuality/ (3979)
- 26 Transgender Persons/ (2682)
- 27 Homosexuality/ (12257)
- 28 men who have sex with men.ti,ab. (8850)
- 29 (same sex or non heterosexual* or non-heterosexual*).ti,ab. (5637)
- 30 MSM.ti,ab. (7797)
- 31 (transgender* or transexual* or trans man or trans men or trans masculine or (gender adj (queer* or fluid* or variant*)) or nonbinary or non binary or non-binary or genderless or agender or bi-gender or bi gender or neutrois).ti,ab. (3965)
- 32 (bisexual* or homosexual* or lgbt).ti,ab. (18306)
- 33 (male adj3 (sex work* or prostitut* or transactional sex or escort*).ti,ab. (503)
- 34 or/22-33 (46060)
- 35 21 and 34 (738)
- 36 limit 35 to english language (686)
- 37 limit 36 to (letter or historical article or comment or editorial or news or case reports) (60)
- 38 36 not 37 (626)
- 39 Animals/ not (Humans/ and Animals/) (4622703)
- 40 38 not 39 (626)
- 41 limit 40 to yr="2009 -Current" (372)

Database name: MEDLINE - UPDATE (17 December 2019 – 14 June 2021)

1	Papillomavirus Infections/	26869
2	(papillomavirus adj (human* or infect*)).ti,ab.	3107
3	hpv*.ti,ab.	35638
4	exp Hepatitis A/	4047
5	exp Hepatitis B/	40003
6	((hepatitis or hep) adj (B or A)).ti,ab.	59662
7	(HBV or HAV).ti,ab.	35664
8	or/1-7	109809
9	exp Vaccination/	56971
10	Immunization/ or Immunization Programs/ or vaccines/	46020
11	(vaccin* or immuni*).ti,ab.	365262
12	booster*.ti,ab.	8532
13	or/9-12	380401
14	Papillomavirus Vaccines/	8371
15	Human Papillomavirus Recombinant Vaccine Quadrivalent, Types 6, 11, 16, 18/	759
16	Hepatitis B Vaccines/	7358
17	Hepatitis A Vaccines/	1543
18	(Cervarix or Gardasil).ti,ab.	522
19	(Ambirix or Twinrix).ti,ab.	76
20	8 and 13	27624
21	14 or 15 or 16 or 17 or 18 or 19 or 20	29609
22	gay*.ti,ab.	9140
23	Homosexuality, Male/	16311
24	"Sexual and Gender Minorities"/	5223
25	Bisexuality/	3759
26	Transgender Persons/ or Transsexualism/ or Transgender/ or Health Services for Transgender Persons/	6071
27	Homosexuality/	3331
28	men who have sex with men.ti,ab.	10510
29	(same sex or non heterosexual* or non-heterosexual*).ti,ab.	5214

30	MSM.ti,ab.	9181
31	(transgend* or transex* or transsex* or transma* or transmen* or trans man or trans men or trans masculine or transfem* or transwom* or trans woman or trans women or transperson* or transpeopl* or trans person* or trans people* or (gender adj (queer* or fluid* or variant*)) or nonbinary or non binary or non-binary or genderless or genderqueer* or agender or bi-gender or bi gender or neutrois or crossgender* or cross-gender* or crossex* or cross-sex*).ti,ab.	12967
32	(bisexual* or homosexual* or lgbt).ti,ab.	11740
33	((male or man or men or boy*) adj3 (sex work* or prostitut* or transactional sex or escort*).ti,ab.	803
34	or/22-33	46337
35	21 and 34	730
36	limit 35 to english language	689
37	limit 36 to (letter or historical article or comment or editorial or news or case reports)	46
38	36 not 37	643
39	Animals/ not (Humans/ and Animals/)	2621905
40	38 not 39	643
41	limit 40 to ed=20191217-20210614	121