Supplemental Online Content

Goldstein KM, Pace R, Dancu C, et al. An evidence map of the women veterans health literature (2016-2023). *JAMA Netw Open.* 2025;8(5):e256372.

doi:10.1001/jamanetworkopen.2025.6372

eFigure. Literature Flow Diagram

eTable 1. Study Eligibility Criteria

eTable 2. Search Strategies

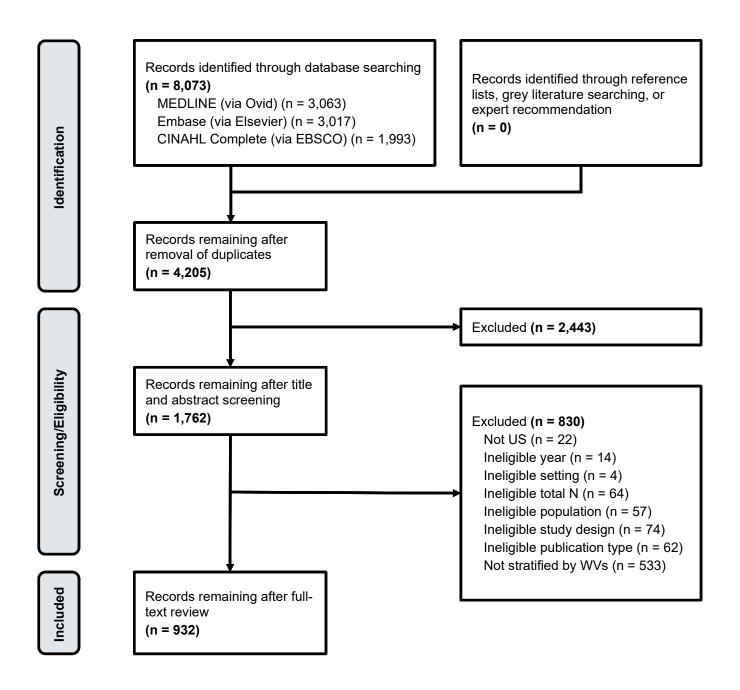
eTable 3. Included Trials

eTable 4. Included Sytematic Reviews

eReferences

This supplemental material has been provided by the authors to give readers additional information about their work.

eFigure 1. Literature flow diagram



e1. Study eligibility criteria

	Eligibility Criteria
Population	Included:
	 Individuals who have served in the armed forces (including national guard and reserves) and who identify as women or who are transgender and/or non-binary and were assigned female at birth
	 More than 75% of the study population comprised WVs or the study reported results separately for WVs as subgroup analysis or otherwise reported results separately for women. Included studies could: Stratify or disaggregate results by sex and/or gender (e.g., report the effect separately for women only) Report subgroup analysis by sex and/or gender by modeling results separately for men and women Include mediation modeling or interaction terms to evaluate the contribution of individual sex and/or gender factors to differences between men and women Healthcare team members who provided care to WVs if the focus of article was on provision of care to the WVs
	population
	Excluded:
	Studies that did not include US WVs
	Studies that included only active-duty members of the military
	Animal studies
Intervention	Any or none
Comparator	Any or none
Outcomes	Any
Setting	Healthcare settings in the US (or US Veteran expats if outside the US)
Study design	Included:
	 Trials, observational (prospective and retrospective) studies, systematic reviews (e.g., scoping, mapping, umbrella, qualitative), protocols, qualitative studies, secondary analyses of trials, implementation studies, multisite or national program evaluations, measurement or methods studies if specifically used for WVs
	 Designs other than qualitative or methods development, for which the total number of WVs was over 50
	 Qualitative studies of only WVs or those with a qualifying subgroup analysis, which included either a specific plan outline to compare men and women or at least 1 theme broken out that was specific to WVs
	Excluded:
	 Letters, case reports and case series, meeting abstracts, dissertations not published in a peer reviewed journal, editorials, narrative review, comprehensive or narrative reviews, measurement development studies not specific to WVs, single-site quality improvement projects, commentaries, opinion papers, feasibility studies, pilots
	 Studies that used sex and/or gender as a component of the regression or propensity model
	Studies that treated sex and/or gender as a covariate only
Years	Published January 2016 to present
Language	English only

eTable 2. Search strategies.

Librarian searcher: Sarah Cantrell, MLIS; Duke University Medical Center Library & Archives, Duke University School of Medicine

Peer review of search conducted by: Samantha Kaplan, PhD, MLIS; Duke University Medical Center Library & Archives, Duke University School of Medicine

Database: MEDLINE (via Ovid)

Search date: 10/17/2023

Note: MEDLINE® ALL 1946 to October 16, 2023

Search Set Description	Search Strategy	Results
#1 Veteran terms	exp Veterans/ or exp Hospitals, Veterans/ or exp Veterans Health/ or exp Veterans Health Services/ or (veteran or veterans or ((former* or retir*) adj2 (military or "service member" or "service members" or servicemember or servicemembers)) or "post deployment" or post-deployment or VAMC or VAHCS or VHA).ti,ab.	52093
#2 Women terms	exp Women/ or exp Women's Health/ or exp Women's Health Services/ or exp Health Services for Transgender Persons/ or exp Homosexuality, Female/ or exp Breast Or exp Breast Diseases/ or exp Breast Neoplasms/ or exp Mammography/ or exp Mastectomy/ or exp Mammaplasty/ or exp Female Genitalia/ or exp Genital Diseases, Female/ or exp Genital Neoplasms, Female/ or exp Prepanat Women/ or exp Maternal Health or exp Maternal Health Services/ or exp Prenatal Care/ or exp Prepanaty Women/ or exp Postnatul Care/ or exp Postnatul Period/ or exp Depression, Postpartum/ or exp Pergnancy/ or exp Pregnancy Complications/ or exp Breast Feeding/ or exp Lactation/ or exp Contraception/ or exp Hormonal Contraception/ or exp Contraception/ or exp Lactation/ or exp Contraception/ or exp Hormonal Contraception/ or exp Preconception Care/ or exp Family Planning Services/ or exp Fertility/ or exp Intility/ or exp Fertility/ or exp Fertility/ or exp Fertility Clinics/ or exp Obstetrical surgical procedures/ or exp gynecologic surgical procedures/ or exp Abortion, Induced/ or exp Abortion, Spontaneous/ or exp Menstrual Cycle/ or exp Menstruation Disturbances/ or exp Menopause/ or exp Polycystic Ovary Syndrome/ or exp Rape/ or (woman or women or womens or womans or "women s" or "woman s" or trans-end or transfemale or "trans-end or transmen or trans-mans or trans-mans or "trans-mans or "trans-mans or trans-mans or trans-mans or trans-mans or trans-mans or trans-mans or trans-mans or or "trans-mans or or "trans-mans or or "trans-mans or or "trans-mans or "trans-mans or or "trans-woman s" or trans-woman s" or trans-wo	4874513

	or salpingectom* or salpingo-oophorectom* or uterus or uterine or vagina or vaginas or vaginal* or transvaginal* or vaginismus or vulva or vulvas or vulvar or vulvectom* or vulvitis or vulvodynia).ti,ab. or ((dilatation or vacuum) adj2 curettage).ti,ab. or ((sex or sexual or sexually or domestic or partner or spouse or spousal or physical or physically) adj3 (abuse or abuses or abuser or abusers or abusers or abusive or violence or violent or assault or assaults or assaulted)).ti,ab. or (tubal adj2 (ligation* or sterilization* or sterilization*).ti,ab.	
#3	1 and 2	5729
Combination		
#4	Limit 3 to da=20160101-20231231	3156
Date limit 2016 - present		
#5	4 not (case reports OR editorial OR letter OR comment OR congress).pt.	3070
Study design exclusions		
#6	5 not (exp animals/ not exp humans/)	3063
Animal study exclusion		

Database: Embase (via Elsevier)

Search date: 10/17/2023

Note: Search from the Results page

Search Set Description	Search Strategy	Results
#1 Veteran terms	'veteran'/exp OR 'veterans health'/exp OR 'veterans health service'/exp OR (veteran OR veterans OR ((former* OR retir*) NEAR/2 (military OR 'service member' OR 'service members' OR servicemember OR servicemembers)) OR 'post deployment' OR 'post deployment' OR VAMC OR VAHCS OR VHA):ti,ab	67740
#2 Women terms	'women's health'(exp OR 'homosexual female'(exp OR 'male to female transgender'(exp OR 'breast 'lexast disease'(exp OR 'breast cancer'(exp OR 'mammography)'(exp OR 'mastectomy)'(exp OR 'breast reconstruction'(exp OR 'female genital system'(exp OR 'gynecologic disease'(exp OR 'female genital tract tumor'(exp OR 'pregnant woman)'(exp OR 'maternal care'(exp OR 'maternal health service'(exp OR 'prenatal care'(exp OR 'pregnant woman)'(exp OR 'maternal care'(exp OR 'maternal health service'(exp OR 'pregnant) or 'pregnancy'(exp OR 'pregnancy complication'(exp OR 'breast feeding'(exp OR 'lactation'(exp OR 'pregnancy'(exp OR 'pregnancy complication'(exp OR 'breast feeding'(exp OR 'lactation'(exp OR 'female fertility'(exp OR 'female infertility'(exp OR 'femily planning)'(exp OR 'female fertility'(exp OR 'female infertility'(exp OR 'gynecologic disease)'(exp OR 'gynecologic surgery'(exp OR 'abortion)'(exp OR 'menstrual cycle)'(exp OR 'menstrual cycle)	7127763

	maternal OR maternally OR menopaus* OR menorrhagia OR menstrua* OR menses OR menarche OR 'military sexual trauma' OR 'military sexual assault' OR 'morning after pill' OR 'morning after pills' OR obstetric* OR oligomenorrhea OR oophorectom* OR oophoritis OR ovariectom* OR ovary OR ovaries OR ovarian OR 'painful period' OR 'painful periods' OR 'irregular period' OR 'irregular periods' OR PCOS OR perimenopaus* OR peri?menopaus* OR perinatal OR peri?natal OR peri?natally OR post?natally OR PMDD OR postmenopaus* OR post?menopaus* OR postnatal OR post?natal OR post?natally OR post?natally OR postpartum OR post?partum OR preconception OR pre?conception OR pregnancy OR pregnancies OR pregnant OR pregnancy?induced OR pregnancy?associated OR prepregnancy OR premenstrual OR pre?menstrual OR pre?natal OR prenatally OR prenatally OR prepreductive healthcare' OR 'reproductive health' OR 'reproductive care' OR 'reproductive healthcare' OR 'reproductive plan' OR 'reproductive planing' OR salpingectom* OR salpingo?oophorectom* OR uterus OR uterine OR vagina OR vaginas OR vaginal* OR transvaginal* OR vaginismus OR vulva OR vulvas OR vulvar OR vulvectom* OR vulvitis OR vulvodynia):ti,ab OR ((dilatation OR vacuum) NEAR/2 curettage):ti,ab OR ((sex OR sexual OR sexually OR domestic OR partner OR spouse OR spousal OR physical OR physically) NEAR/3 (abuse OR abuses OR abused OR abuser OR abusers OR abusive OR violence OR violent OR assault OR assaults OR assaulted)):ti,ab OR (tubal NEAR/2 (ligation* OR sterilization* OR sterilization*)):ti,ab	
#3	#1 AND #2	8591
Combination		
#4	#3 AND [01-01-2016]/sd	5085
Date limit 2016 - present		
#5 Study design exclusions	#4 NOT ('case report'/exp OR 'case study'/exp OR 'editorial'/exp OR [editorial]/lim OR 'letter'/exp OR [letter]/lim OR 'note'/exp OR [note]/lim OR [conference abstract]/lim OR 'conference abstract'/exp OR 'conference abstract'/it OR 'case report':ti OR editorial:ti OR letter:ti OR proceedings:ti OR conference:ti)	3062
#6	#5 AND [humans]/lim	3017
Animal study exclusion		

Database: CINAHL Complete (via EBSCO)

Search date: 10/17/2023

Search Set	Search Strategy	Results
Description		
#1 Veteran terms	(MH "Veterans Health Services") OR (MH "Veterans+") OR (MH "United States Department of Veterans Affairs") OR (MH "Hospitals, Veterans") OR ((TI veteran OR AB veteran) OR (TI veterans OR AB veterans) OR (((TI former* OR AB former*) OR (TI retir* OR AB retir*)) N2 ((TI military OR AB military) OR (TI "service member" OR AB "service member") OR (TI "service members" OR AB "service members") OR (TI servicemember OR AB servicemember) OR (TI servicemembers OR AB servicemembers))) OR (TI "post deployment" OR AB "post deployment") OR (TI post-deployment OR AB post-deployment) OR (TI VAMC OR AB VAMC) OR (TI VAHCS OR AB VAHCS) OR (TI VHA OR AB VHA))	37061
#2 Women terms	(MH "Women+") OR (MH "Battered Women") OR (MH "Single Women") OR (MH "Trans Women") OR (MH "Expectant Mothers") OR (MH "Intimate Partner Violence") OR (MH "Women's Health") OR (MH "Women's Health Services") OR (MH "Lesbians") OR (MH "Breast+") OR (MH "Breast Neoplasms+") OR (MH "Breast Self-Examination") OR (MH "Breast Pumps") OR (MH "Breast Tissue Density") OR (MH "Breast Reconstruction") OR (MH "Breast Examination+") OR (MH "Breast Implants") OR (MH "Breast Feeding+") OR (MH "Mammography") OR (MH "Mastectomy+") OR (MH "Genitalia, Female+") OR (MH "Genital Neoplasms, Female+") OR (MH "Genital Diseases, Female+") OR (MH "Female Urogenital Diseases and Pregnancy Complications+") OR (MH "Sexual Dysfunction, Female+") OR (MH "Maternal Health Services+") OR (MH "Prenatal Care") OR (MH "Prenatal Diagnosis+") OR (MH "Perinatal Period") OR (MH "Perinatal Care") OR (MH "Postnatal Care+") OR (MH "Postnatal Period+") OR (MH "Depression, Postpartum") OR (MH "Postpartum Psychosis") OR (MH "Pregnancy+") OR (MH "Pregnancy Outcomes") OR (MH "Pregnancy Discomforts") OR (MH "Lactation") OR (MH "Lactation Disorders+") OR (MH "Contraception+") OR (MH "Hormonal Contraception") OR (MH "Contraceptive Agents+") OR (MH "Prepregnancy Care") OR (MH "Family Planning+") OR (MH "Fertility+") OR (MH "Fertility+") OR (MH "Delivery, Obstetric+")	1459233

OR (MH "Obstetric Patients") OR (MH "Obstetric Service") OR (MH "Obstetric Care+") OR (MH "Surgery, Obstetrical+") OR (MH "Gynecologic Examination") OR (MH "Surgery, Gynecologic+") OR (MH "Diagnosis, Gynecologic+") OR (MH "Gynecologic Care") OR (MH "Abortion, Incomplete") OR (MH "Abortion, Induced+") OR (MH "Abortion, Spontaneous+") OR (MH "Menstrual Cycle+") OR (MH "Dysmenorrhea") OR (MH "Menstrual and Perimenopausal Disorders+") OR (MH "Menstruation Disorders+") OR (MH "Menstruation") OR (MH "Menstruation Inducing Agents+") OR (MH "Oligomenorrhea") OR (MH "Menopause+") OR (MH "Menarche") OR (MH "Menopause, Premature") OR (MH "Premenopause") OR (MH "Postmenopause") OR (MH "Postmenopausal Disorders") OR (MH "Perimenopause") OR (MH "Domestic Violence+") OR (MH "Rape") OR ((TI woman OR AB woman) OR (TI women OR AB women) OR (TI womens OR AB womens) OR (TI womans OR AB womans) OR (TI "women s" OR AB "women s") OR (TI "woman s" OR AB "woman s") OR (TI female OR AB female) OR (TI females OR AB females) OR (TI "female s" OR AB "female s") OR (TI trans OR AB trans) OR (TI transgender OR AB transgender) OR (TI transgendered OR AB transgendered) OR (TI transfemale OR AB transfemale) OR (TI trans-female OR AB trans-female) OR (TI transman OR AB transman) OR (TI transman OR AB trans-man) OR (TI transmans OR AB transmans) OR (TI "transman s" OR AB "transman s") OR (TI trans-mans OR AB trans-mans) OR (TI "trans-man s" OR AB "trans-man s") OR (TI transmen OR AB transmen) OR (TI trans-men OR AB trans-men) OR (TI transmens OR AB transmens) OR (TI transmens OR AB trans-mens) OR (TI "transmen s" OR AB "transmen s") OR (TI "transmen s" OR AB "transmen s") OR (TI transwoman OR AB transwoman) OR (TI trans-woman OR AB trans-woman) OR (TI transwomans OR AB transwomans) OR (TI "transwoman s" OR AB "transwoman s") OR (TI trans-womans OR AB trans-womans) OR (TI "trans-woman s" OR AB "trans-woman s") OR (TI trans-women OR AB trans-women) OR (TI transwomen OR AB transwomen) OR (TI transwomens OR AB transwomens) OR (TI "transwomen s" OR AB "transwomen s") OR (TI trans-womens OR AB trans-womens) OR (TI "transwomen s" OR AB "transwomen s") OR (TI gender-specific OR AB gender-specific) OR (TI "gender specific" OR AB "gender specific") OR (TI gender-related OR AB gender-related) OR (TI "gender related" OR AB "gender related") OR (TI "gender difference" OR AB "gender difference") OR (TI "gender differences" OR AB "gender differences") OR (TI sex-specific OR AB sex-specific) OR (TI "sex specific" OR AB "sex specific") OR (TI sex-related OR AB sex-related) OR (TI "sex related" OR AB "sex related") OR (TI "sex difference" OR AB "sex difference") OR (TI "sex differences" OR AB "sex differences") OR (TI lesbian OR AB lesbian) OR (TI lesbians OR AB lesbians) OR (TI non-binary OR AB non-binary) OR (TI "non binary" OR AB "non binary") OR (TI abortifacient OR AB abortifacient) OR (TI abortifacients OR AB abortifacients) OR (TI abortion OR AB abortion) OR (TI abortions OR AB abortions) OR (TI amenorrhea OR AB amenorrhea) OR (TI breast OR AB breast) OR (TI breasts OR AB breasts) OR (TI breastfeeding OR AB breastfeeding) OR (TI cervix OR AB cervix) OR (TI cervical OR AB cervical) OR (TI climacteric OR AB climacteric) OR (TI clitoris OR AB clitoris) OR (TI clitoral OR AB clitoral) OR (TI colposcop* OR AB colposcop*) OR (TI colpotom* OR AB colpotom*) OR (TI conception OR AB conception) OR (TI contraception OR AB contraception) OR (TI contraceptive OR AB contraceptive) OR (TI contraceptives OR AB contraceptives) OR (TI culdoscop* OR AB culdoscop*) OR (TI dysmenorrhea OR AB dysmenorrhea) OR (TI dyspareunia OR AB dyspareunia) OR (TI endometriosis OR AB endometriosis) OR (TI endometritis OR AB endometritis) OR (TI endometrium OR AB endometrium) OR (TI endometrial OR AB endometrial) OR (TI endometrioid OR AB endometrioid) OR (TI episiotom* OR AB episiotom*) OR (TI fallopian OR AB fallopian) OR (TI fallopians OR AB fallopians) OR (TI "family planning" OR AB "family planning") OR (TI fertility OR AB fertility) OR (TI gynecolog* OR AB gynecolog*) OR (TI "hot flash" OR AB "hot flash") OR (TI "hot flashes" OR AB "hot flashes") OR (TI hymen OR AB hymen) OR (TI hymens OR AB hymens) OR (TI hysterectom* OR AB hysterectom*) OR (TI hysteroscop* OR AB hysteroscop*) OR (TI infertility OR AB infertility) OR (TI "intimate partner violence" OR AB "intimate partner violence") OR (TI "intrauterine device" OR AB "intrauterine device") OR (TI "intrauterine devices" OR AB "intrauterine devices") OR (TI IUD OR AB IUD) OR (TI IUDs OR AB IUDs) OR (TI labia OR AB labia) OR (TI labias OR AB labias) OR (TI labial OR AB labial) OR (TI lactation OR AB lactation) OR (TI lactating OR AB lactating) OR (TI mammaplast* OR AB mammaplast*) OR (TI mammoplast* OR AB mammoplast*) OR (TI mammogra* OR AB mammogra*) OR (TI mastectom* OR AB mastectom*) OR (TI maternal OR AB maternal) OR (TI maternally OR AB maternally) OR (TI menopaus* OR AB menopaus*) OR (TI menorrhagia OR AB menorrhagia) OR (TI menstrua* OR AB menstrua*) OR (TI menses OR AB menses) OR (TI menarche OR AB menarche) OR (TI "military sexual trauma" OR AB "military sexual trauma") OR (TI "military sexual assault" OR AB "military sexual assault") OR (TI "morning after pill" OR AB "morning after pill") OR (TI "morning after pills" OR AB "morning after pills") OR (TI obstetric* OR AB obstetric*) OR (TI oligomenorrhea OR AB oligomenorrhea) OR (TI oophorectom* OR AB oophorectom*) OR (TI oophoritis OR AB oophoritis) OR (TI ovariectom* OR AB ovariectom*) OR (TI ovary OR AB ovary) OR (TI ovaries OR AB ovaries) OR (TI ovarian OR AB ovarian) OR (TI "painful period" OR AB "painful period") OR (TI "painful periods" OR AB "painful periods") OR (TI "irregular period" OR AB "irregular period") OR (TI "irregular periods" OR AB "irregular periods") OR (TI PCOS OR AB PCOS) OR (TI perimenopaus* OR AB perimenopaus*) OR (TI perimenopaus* OR AB perimenopaus*) OR (TI perimatal OR AB perinatal) OR (TI peri-natal) OR AB peri-natal) OR (TI perinatally OR AB perinatally) OR (TI perinatally OR AB peri-natally) OR (TI PMDD OR AB PMDD) OR (TI postmenopaus* OR AB postmenopaus*) OR (TI post-menopaus* OR AB post-menopaus*) OR (TI postnatal OR AB postnatal) OR (TI post-natal) OR AB post-natal) OR (TI postnatally OR AB postnatally) OR (TI post-natally OR AB postnatally) OR (TI postpartum OR AB postpartum) OR (TI post-partum OR AB post-partum) OR (TI preconception OR AB preconception) OR (TI pre-conception OR AB pre-conception) OR (TI pregnancy OR AB pregnancy) OR (TI pregnancies OR AB pregnancies) OR (TI pregnant OR AB pregnant) OR (TI pregnancy-induced OR AB pregnancy-induced) OR (TI pregnancy-associated OR AB pregnancy-associated)

	OR (TI prepregnancy OR AB prepregnancy) OR (TI premenstrual OR AB premenstrual) OR (TI premenstrual OR AB pre-natal) OR (TI premenstrual) OR (TI prenatal OR AB pre-natal) OR (TI prenatal) OR (TI rape OR AB rape) OR (TI rapes OR AB rapes) OR (TI raped OR AB raped) OR (TI "reproductive health" OR AB "reproductive health" OR (TI "reproductive health" OR (TI "reproductive plan") OR (TI "reproductive healthcare") OR (TI "reproductive plan") OR (TI salpingectom* OR AB salpingectom*) OR (TI salpingo-oophorectom* OR AB salpingo-oophorectom*) OR (TI uterus OR AB uterus) OR (TI uterine OR AB uterine) OR (TI vagina OR AB vagina) OR (TI vaginas OR AB vaginas) OR (TI vaginal* OR AB vaginal*) OR (TI transvaginal* OR AB transvaginal*) OR (TI vaginismus OR AB vaginismus) OR (TI vulva OR AB vulva) OR (TI vulvas OR AB vulvas) OR (TI vulvar OR AB vulvar) OR (TI vulvactom* OR AB vulvactom*) OR (TI vulvitis OR AB vulvitis) OR (TI vulvactom*) OR (TI vulvactom*) OR (TI vulvactom*) OR (TI vaccuum OR AB vaccuum)) N2 (TI curettage OR AB curettage)) OR (((TI sex OR AB sex) OR (TI sexual OR AB sexual) OR (TI spouse OR AB spouse) OR (TI spousal OR AB spousal) OR (TI physical) OR (AB physical)) N3 ((TI abuse OR AB spousal) OR (TI physical) OR AB physical) OR (TI physical) OR (TI abusec) OR (AB abusec)) OR (TI abusec) OR (AB	
#3 Combination	S1 AND S2	4720
	1: 22. 1. 201(0101.2021221	2252
#4 Date limit 2016 - present	Limit 3 to da=20160101-20231231	2253
#5 Study design exclusions	4 not (case reports OR editorial OR letter OR comment OR congress).pt.	1996
#6 Animal study exclusion	5 not (exp animals/ not exp humans/)	1993

eTable 3. Included Trials

Author, Year N (% women)	Title	Objective	Secondary focus areas	Target populations
				Funding
General mental he	ealth			
Acierno, 2021 ¹ 136 (100%)	A Randomized Clinical Trial of In-person vs. Home-based Telemedicine Delivery of Prolonged	This study used a randomized controlled design to examine PTSD and	Access to care/utilization	History of trauma
,	Exposure for PTSD in Military Sexual Trauma Survivors	depression symptom outcomes, overall number of sessions completed		DOD
Amsalem, 2021 ² 172 (31.39%)	Increasing Treatment-Seeking Intentions of US Veterans in the Covid-19 era: A Randomized	This study screened for clinical symptoms and evaluated the efficacy of a brief, online social contact based video	Access to care/utilization	N/A
172 (01.0070)	Controlled Trial intervention in increasing treatment seeking intentions among veterans		Not reported	
Castillo, 2016 ³ 86 (100%)	Group-Delivered Cognitive/Exposure Therapy for PTSD in Women Veterans: A Randomized Controlled Trial	The primary aim of this RCT was to examine the overall efficacy of the 16-week, three-module group protocol on PTSD severity compared to a minimal attention waitlist control in a	N/A	History of trauma; OEF/OIF/OND
		sample of Afghanistan (OEF) and Iraq (OIF) WVs		DOD
Creech, 2022 ⁴ 153 (100%)	Computerized Intervention in Primary Care for Women Veterans with Sexual Assault Histories and Psychosocial Health Risks: a Randomized Clinical Trial	Veterans with Sexual Assault Histories intervention delivered in primary care to reduce health risks and increase mental health treatment utilization among women	Substance use	History of trauma
,			General mental health	NIH/other government
Gobin, 2019 ⁵ 160 (20%)	Gender Differences in Response to Acceptance and Commitment Therapy Among Operation Enduring Freedom/Operation Iraqi Freedom/Operation New Dawn Veterans	The purpose of this investigation was to examine gender differences in response to acceptance and commitment	N/A	OEF/OIF/OND
100 (20 70)		therapy, an empirically supported transdiagnostic psychotherapy		DOD
Kelly, 2021 ⁶ 104 (100%)	Trauma-Sensitive Yoga for Post-Traumatic Stress Disorder in Women Veterans who Experienced Military Sexual Trauma: Interim Results from a Randomized Controlled Trial	This study aimed to assess the effectiveness of Trauma Center Trauma-Sensitive Yoga for PTSD among WVs with PTSD related to MST	Interpersonal violence	History of trauma
, ,				VA
Lehavot, 2021 ⁷ 102 (100%)	A Randomized Trial of an Online, Coach-Assisted Self-Management PTSD Intervention Tailored for	This RCT aimed to evaluate the feasibility, acceptability, and efficacy of DElivery of Self TRaining and Education for	N/A	N/A
102 (100 /0)	Women Veterans	Stressful Situations (DESTRESS)-WV compared to an active control (phone monitoring) on PTSD symptoms at post-treatment and at three- and six-months post-treatment		Not reported
Lopez, 2022 ⁸ 151 (100%)	Effects of Emotion Dysregulation on Post- treatment Post-traumatic Stress Disorder and Depressive Symptoms Among Women Veterans With Military Sexual Trauma This study aimed to present secondary data analyses from a randomized clinical trial comparing the efficacy of in-person versus telemedicine delivery of prolonged exposure therapy fo WVs with MST-related PTSD	randomized clinical trial comparing the efficacy of in-person	Interpersonal violence	History of trauma
		versus telemedicine delivery of prolonged exposure therapy for WVs with MST-related PTSD		NIH/other government;

Author, Year N (% women)	Title	Objective	Secondary focus areas	Target populations
(12 2 2)				Funding
Martin, 2023 ⁹ 149 (100%)	Novel Treatment Based on Acceptance and Commitment Therapy Versus Cognitive Behavioral Therapy for Insomnia: A Randomized Comparative Effectiveness Trial in Women Veterans	The primary objectives of this study were to determine whether acceptance and commitment therapy for insomnia (ABC-I) was noninferior to cognitive behavioral therapy for insomnia (CBT-I) in improving sleep and to test whether ABC-I resulted in higher treatment completion and adherence versus CBT-I.	N/A	NA VA; NIH/other governmen
Murdoch, 2022 ¹⁰ 383 (50.30%)	Impact of Different Cover Letter Information and Incentives on Veterans' Emotional Responses to an Unsolicited Mailed Survey About Military Traumas: A Randomized, 3x2x2 Factorial Trial	This postal survey study aimed to test whether altering cover letter information would induce or reduce non-response bias in a sample of US Veterans applying for PTSD disability benefits, and examined whether those cover letter alterations impacted participant emotional reactions	N/A	OEF/OIF/OND VA
Saban, 2022 ¹¹ 136 (100%)	Impact of a Mindfulness-Based Stress Reduction Program on Psychological Well-Being, Cortisol, and Inflammation in Women Veterans	This study determined the effectiveness of the Mindfulness-Based Stress Reduction Program for improving psychological well-being, cortisol, and inflammation associated with CVD in WVs.	Preventative health Chronic medical conditions	N/A VA
Thompson- Hollands, 2023 ¹² 284 (100%)	Treatment Length and Symptom Improvement in Prolonged Exposure and Present-Centered Therapy for Posttraumatic Stress Disorder: Comparing Dose-Response and Good-Enough Level Models in Two Manualized Interventions	To compare two theories (the dose-response model and the good-enough level model) across two manualized treatments for PTSD	Access to care/utilization	History of trauma
Zaccari, 2022 ¹³ 152 (100%)	Synchronous Telehealth Yoga and Cognitive Processing Group Therapies for Women Veterans with Posttraumatic Stress Disorder: A Multisite Randomized Controlled Trial Adapted for COVID- 19	This study aimed to present modifications made to pivot a multisite RCT at a Southeastern and Pacific Northwestern VA Health Care Systems from in-person to virtual study implementation.	Health care organization/ delivery of care for WV Interpersonal violence	History of trauma
Substance Use				
Danan, 2019 ¹⁴ 2654 (5.22%)	Smoking Cessation among Female and Male Veterans before and after a Randomized Trial of Proactive Outreach	This study compared baseline experiences with VA smoking cessation care for men and women and assessed differing gender responses to a proactive intervention	N/A	N/A
Holzhauer, 2021 ¹⁵ 50 (100%)	Targeting Women Veteran's Stress-Induced Drinking with Cognitive Reappraisal: Mechanisms and Moderators of Change	This study examined the effects of cognitive reappraisal, an adaptive emotion regulation strategy, on mechanisms that contribute to drinking among 50 WVs.	General mental health	VA N/A VA
Najavits, 2018 ¹⁶ 66 (100%)	A Randomized Controlled Trial of a Gender- Focused Addiction Model Versus 12-Step Facilitation for Women Veterans	This study compared 12 individual sessions of a gender- focused substance use disorder (SUD) recovery model, 'A Womans Path to Recovery' to an evidence-based, non- gender-focused SUD model, 12-Step Facilitation, in WVs with severe SUD	Health care organization/delivery of care for WV	Justice-involved VA
Pedersen, 2017 ¹⁷ 784 (17%)	A Randomized Controlled Trial of a Web-Based, Personalized Normative Feedback Alcohol Intervention for Young-Adult Veterans	This RCT tested a very brief alcohol intervention delivered over the Internet to reach the population of young adult veterans to help reduce their drinking	Preventative health	N/A NIH/other government

Author, Year N (% women)	Title	Objective	Secondary focus areas	Target populations
				Funding
Gilmore, 2016 ¹⁸ 100 (100%)	"Do You Expect Me to Receive PTSD Care in a Setting Where Most of the Other Patients Remind	comparing PE delivered in-person to PE delivered via home-	Health care organization/delivery of	History of trauma
	Me of the Perpetrator?": Home-Based Telemedicine to Address Barriers to Care Unique		care for WV	NIH/other government
	to Military Sexual Trauma and Veterans Affairs Hospitals		General mental health	
Gilmore, 2020 ¹⁹ 136 (100%)	Emotion Dysregulation Predicts Dropout from Prolonged Exposure Treatment among Women Veterans with Military Sexual Trauma-Related Posttraumatic Stress Disorder	This study examined factors associated with treatment dropout among WVs with MST-related PTSD enrolled in PE both in	Access to care/utilization	History of trauma
		person or via telemedicine as part of an ongoing randomized clinical trial	General mental health	NIH/other government; DOD
Iverson, 2021 ²⁰	Recovering From Intimate Partner Violence Through Strengths and Empowerment: Findings	This study examined the effectiveness of RISE compared to an advocacy-based enhanced care as usual condition consisting	N/A	History of trauma
60 (100%)	From a Randomized Clinical Trial	of education, safety planning, resources, and referrals in a sample of women VHA patients.		VA
Iverson, 2023 ²¹ 7421 (100%)	Integrating Intimate Partner Violence Screening Programs in Primary Care: Results from a Hybrid-II Implementation-Effectiveness RCT	This stepped-wedge, hybrid-II, implementation-effectiveness, cluster randomized trial investigated implementation and clinical effectiveness outcomes associated with VHA leadership's use of implementation facilitation to roll out IPV screening programs in mixed-sex/gender and shared-space primary care clinics	Health care organization/delivery of	N/A
(22)			care for WV	VA
Preventive Health				
Hamilton, 2023 ²² 40 (100%)	Enhancing Mental and Physical Health of Women Through Engagement and Retention (EMPOWER)	This study aimed to compare the effectiveness of Replicating Effective Practices and Evidence-Based QI on improved	General mental health	N/A
,	2.0 QUERI: Study Protocol for a Cluster- Randomized Hybrid Type 3 Effectiveness- Implementation Trial	access to and rates of engagement in telehealth preventive lifestyle and mental health services		VA
Marcotte, 2023 ²³	Automated Opt-Out vs Opt-In Patient Outreach Strategies for Breast Cancer Screening: A Randomized Clinical Trial	mammography referral strategy compared with an opt-in	Health care organization/delivery of care for WV	N/A
883 (100%)				VA; NIH/other government
			Cancer care	
Chronic Medical Co	nditions			
Markland, 2023 ²⁴ 286 (100%)	Optimizing Remote Access to Urinary Incontinence Treatments for Women Veterans (PRACTICAL):	This pragmatic clinical trial aimed to increase access to behavioral treatment of urinary incontinence for WVs by	N/A	NA
	Study Protocol for a Pragmatic Clinical Trial Comparing Two Virtual Care Options	comparing the effectiveness of two virtual care delivery modalities		VA
Vimalananda, 2016 ²⁵ 481 (15%)	Weight Loss Among Women and Men in the ASPIRE-VA Behavioral Weight Loss Intervention Trial	This study examined weight loss among WV and men veterans in the Aspiring for Lifelong Health (ASPIRE) trial, a small changes weight loss program	Preventative health	General population/not specified
		5 5 1 5		VA

Author, Year N (% women)	Title	Objective	Secondary focus areas	Target populations
(11 1 1)				Funding
Health care organi	ization/delivery of care for WV			
Yano, 2016 ²⁶ N/A	Cluster Randomized Trial of a Multilevel Evidence- Based Quality Improvement Approach to Tailoring	This study tested an evidence-based QI approach to tailoring PACT to meet WV needs, incorporating comprehensive	Access to care/utilization	N/A
•	VA Patient Aligned Care Teams to the Needs of Women Veterans	primary care services and gender-specific care in gender- sensitive environments, accelerating achievement of PACT tenets for women (Womens Health [WH]-PACT)		VA

eTable 4. Included Systematic Reviews

Author, Year, N articles	Title	Objective	Secondary focus area(s)	Prioritized populations
				Funding
		General mental health		
Creech, 2021 ²⁷ 21	Clinical Complexity in Women Veterans: A Systematic Review of the Recent Evidence on	The aim of this systematic review was to evaluate and synthesize research published between 2008 and 2015 and	Chronic medical conditions	N/A
	Mental Health and Physical Health Comorbidities identified in the WV Health Research Evidence Map as related to mental and physical health comorbidities among WVs		VA	
Godier-McBard, 2023 ²⁸	Barriers and Facilitators to Mental Healthcare for Women Veterans: A Scoping Review	This paper aimed to provide a comprehensive up-to-date scoping review of current knowledge regarding the barriers	Access to care/utilization	N/A
24		and facilitators experienced by WVs when accessing mental health services	Health care organization/delivery of	
			care for WV	University
Jones, 2017 ²⁹	The Psychological Health and Well-being Experiences of Female Military Veterans: A	To determin what is known about the psychological health and well-being experiences of female military veterans	N/A	OEF/OIF/OND
	Systematic Review of the Qualitative Literature		Not reported	
Orshak, 2022 ³⁰	Interventions for Women Veterans with Mental Health Care Needs: Findings from a Scoping Review	The purpose of this study was to conduct a scoping review of the literature to summarize interventions for WVs with mental health care needs designed in the VA.	Access to care/utilization	Justice-involved
			Health care organization/delivery of care for WV	University
		Interpersonal Violence		
Pulverman, 2019 ³¹	Military Sexual Trauma and Sexual Health in Women Veterans: A Systematic Review	This paper aimed to systematically review the existing research on the impact of MST on sexual health in WVs	Reproductive health	History of trauma
6				VA
		summarize the literature exploring IPV victimization and	General mental health	N/A
			Not reported	
Wilson, 2018 ³³ 69	The Prevalence of Military Sexual Trauma: A Meta- Analysis	This meta-analysis aimed to obtain a single estimate of the prevalence of MST across methodologies and participant	N/A	N/A
		characteristics		Unfunded
		Substance Use		

Author, Year, N articles	Title	Objective	Secondary focus area(s)	Prioritized populations
				Funding
Simpson, 2022 ³⁴ 44	Seeking Care Where They Can: A Systematic Review of Global Trends in Online Alcohol Treatment Utilization Among Non-Veteran and Veteran Women	This systematic review examined associations between gender-tailored recruitment/inclusion criteria and proportions of women enrolled in online alcohol intervention trials, evaluated whether community samples have greater proportions of women than clinical samples, and compared country-specific average proportions of women in trials to country-specific proportions of women with AUD	Access to care/utilization	N/A
				Not reported
Weinberger, 2016 ³⁵	A Review of Research on Smoking Behavior in Three Demographic Groups of Veterans: Women, Racial/Ethnic Minorities, and Sexual Orientation Minorities	This study reviewed published studies of smoking behavior in three demographic subgroups of veterans: women, racial and ethnic minorities, and sexual orientation minorities to synthesize current knowledge and identify areas in need of more research	Preventative health	Sexual minoritized populations; Racial and ethnic minoritized populations
				VA
Chronic Medical C	conditions			
Coughlin, 2017 ³⁶ 21	A Review of Epidemiologic Studies of the Health of Gulf War Women Veterans	This study reviewed epidemiologic studies of the health of women who served in the 1990-1991 Gulf War	General mental health Reproductive health	Gulf War I Veterans
				NIH/other government
Reproductive Hea	lth			
Katon, 2018 ³⁷ 52	Reproductive Health of Women Veterans: A Systematic Review of the Literature from 2008 to 2017	This systematic review aimed to (1) review the literature pertaining to reproductive health of WVs and (2) synthesize findings	N/A	N/A
				VA; NIH/other government
Long-term Care/A	ging			
Varilek, 2021 ³⁸ 19	Female Veteran Use of Palliative and Hospice Care: A Scoping Review	This scoping review explored the palliative and hospice care literature specific to WV to: (1) learn what evidence was available regarding WVs' use of palliative and hospice care, and (2) identify the existing gaps specific to WVs' use of palliative and hospice care, to meet the needs of this growing population	Access to care/utilization Health care	N/A
			organization/delivery of care for WV	Not reported
Weitlauf, 2023 ³⁹ 6	Mortality of Women Vietnam War Era Veterans	The objectives of this study were to 1) understand the scope of the current mortality literature on US Vietnam War Era WVs and 2) identify major themes and knowledge gaps that might guide future research.	Preventative health	Vietnam Era
			Chronic medical conditions	VA; DOD
Health care Organ	nization/Delivery of care for WVs			
Danan, 2019 ⁴⁰ 45	Evidence Map: Reporting of Results by Sex or Gender in Randomized, Controlled Trials with	The main purpose of this study was to compare characteristics of RCTs that included WVs and did or did not report results by sex or gender	NA	NA
	Women Veteran Participants (2008 to 2018)			

Author, Year, N articles	Title	Objective	Secondary focus area(s)	Prioritized populations
				Funding
Flike, 2023 ⁴¹ 35	Systematic Review of Access to Healthcare and Social Services Among US Women Veterans Experiencing Homelessness	This systematic review examined the barriers and facilitators for access to health care and social care among WVs experiencing homelessness	SDOH	People with experiences of homelessness
				Unfunded
Social Determina	nts of Health			
Kondo, 2017 ⁴² 109	Health Disparities in Veterans: A Map of the Evidence	This study aimed to characterize the research on health care disparities in the Veterans Health Administration via an evidence map	Access to care/utilization	N/A
			Health care organization/delivery of care for WV	VA
Short, 2023 ⁴³ 15	Female Veterans' Risk Factors for Homelessness: A Scoping Review	This scoping review aimed to identify published peer- reviewed academic and grey literature about the lived experiences of homeless WVs and risk factors for homelessness among WVs	N/A	People with experiences of homelessness
				Veterans Affairs Canada

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