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FS

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Acknowledgements

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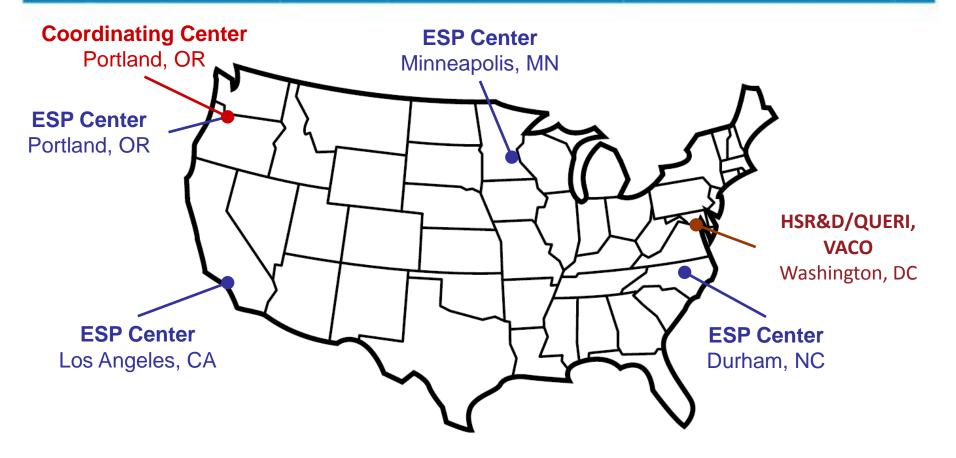


VA Evidence-based Synthesis Program (ESP) Overview

- Sponsored by VA Office of Research and Development and the Quality Enhancement Research Initiative (QUERI)
- Established to provide timely and accurate syntheses/reviews of healthcare topics identified by VA clinicians, managers, and policy-makers, as they work to improve the health and healthcare of Veterans.
- Reports conducted by internationally recognized VA clinician methodologists
- Builds on staff and expertise already in place at the Evidence-based Practice Centers (EPC) designated by AHRQ. Four of these EPCs are also ESP Centers, as shown on the following map.



ESP Center Locations



Evidence-based Synthesis Program (ESP)



VA Evidence-based Synthesis Program (ESP) Overview

- Provides evidence syntheses on important clinical practice topics relevant to Veterans. These reports help:
 - develop clinical policies informed by evidence;
 - the implementation of effective services to improve patient outcomes and to support VA clinical practice guidelines and performance measures; and
 - guide the direction of future research to address gaps in clinical knowledge.
- Broad topic nomination process *eg*, VACO, VISNs, field staff facilitated by the ESP Coordinating Center (Portland) through an online process:

http://www.hsrd.research.va.gov/publications/esp/TopicNominationForm.pdf



Current report

AN EVIDENCE MAP OF THE WOMEN VETERANS' HEALTH RESEARCH LITERATURE (2008 – 2015)

(October 2016)

Full-length report available on ESP website:

http://vaww.hsrd.research.va.gov/publications/esp/womens-health2.cfm

VETERANS HEALTH ADMINISTRATION

Evidence-based Synthesis Program (ESP)



Poll Question

- 1. What is your role in women Veterans health at the VA? *(select all that apply)*
- □ Clinician mostly male patients
- □ Clinician mostly female patients
- □ Researcher women's health interest/other
- □ Program staff
- □ Other (student, etc)



Overview

- Background: Women's Health at the VA
- Methods:
 - Systematic Reviews vs. Evidence Maps
- Results: A Map of the Women Veterans' health literature: 2008–2015
- Key Findings & Conclusions

Women in the US Military

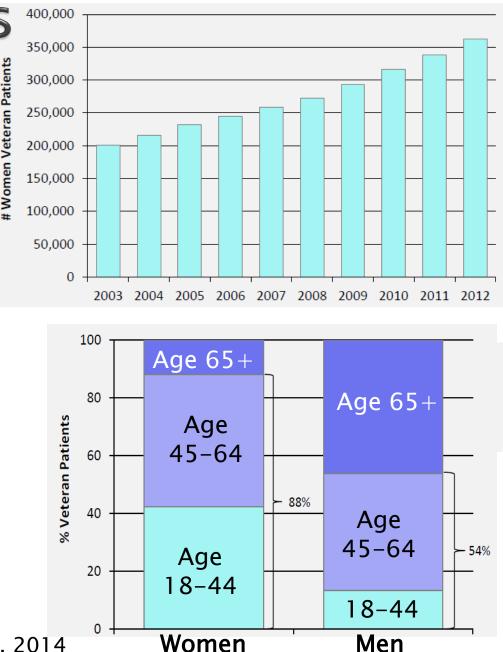
National Center for Veterans Analysis and Statistics. America's Women Veterans: Military Service History and VA Benefit Utilization Statistics, 2011

Revolutio War	nary Ar	my Nurse Corps		WWII		Restrictions Lifted	
1775	1861	1901	1914	1941	1948	1967	
	Civil War		WWI		Armed S Integrat		
				29 USA Willitary media	cs treat the wor	unded, 1943	
			A COMPANY OF A STREET OF A STREET	-	s female		
2011	2013	2016			% of new cruits	53	
Don't Ask Don't Tell Ends		<u> </u>	ender nembers	▶ 17			

Women Veterans

- 10% of all living
 Veterans are women
 16% by 2040
- 20% of women Veterans use VA healthcare
- 7% of VA patients are women
 - Nearly doubled in past decade
- Younger than men
- More diverse
 - 39% racial/ethnic minority

Sourcebook Vol 3: Women Veterans in VHA, 2014



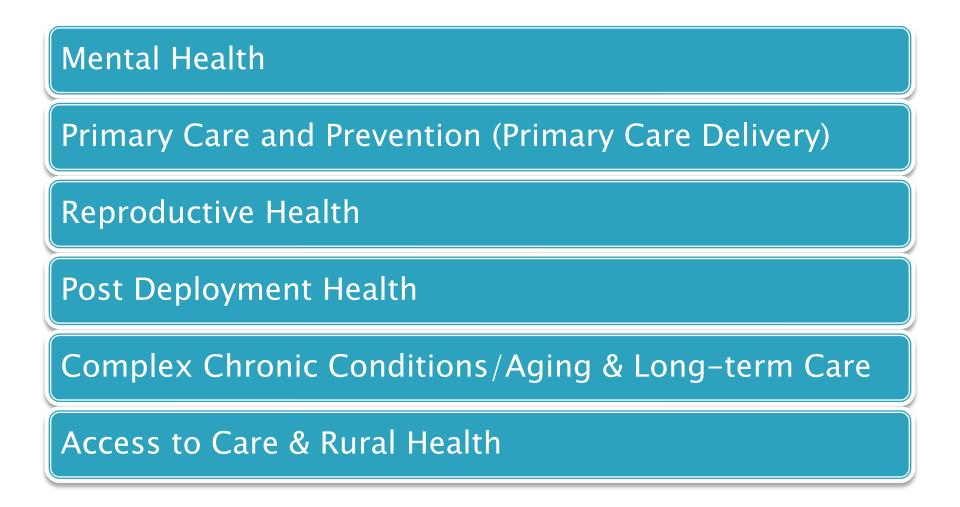
WOMEN VETERANS HEALTH CARE

You served, you deserve \rightarrow the best care anywhere.





Women's Health Research Network: Future Research Agenda (2011)

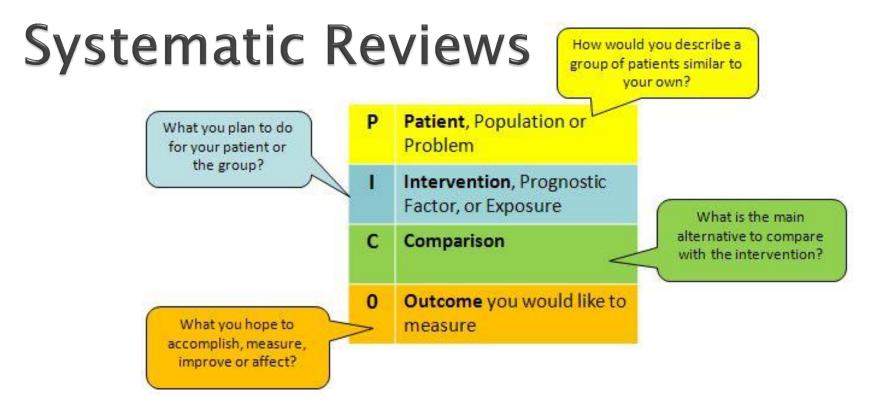


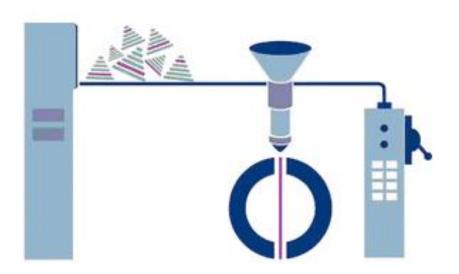
Yano, et. al., Women's Health Issues, 2011: 21-4S: S73-S83

VA Women's Health in 2015 **CLINICAL** RESEARCH CONSO& MILL VA WOMEN'S HEALTH WOMEN VETERANS **RESEARCH NETWORK** HEALTH CARE Supporting Practice and Research Collaboration **Request Systematic** Review (2008–2015)

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Women's Health Review Request

Research related to women veterans' health and healthcare published since 2008

Ρ	Women Veterans	
I	Any	
С	Any	
0	Any	

Alternative Review: Evidence Map

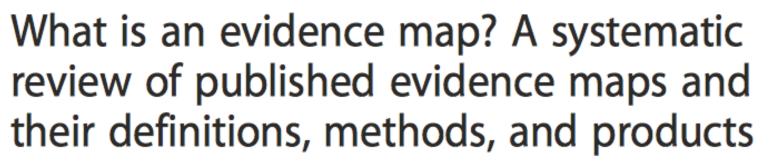
Miake-Lye et al. Systematic Reviews (2016) 5:28 DOI 10.1186/s13643-016-0204-x

Systematic Reviews

RESEARCH

Open Access

CrossMark



Isomi M. Miake-Lye^{1,2*}, Susanne Hempel³, Roberta Shanman³ and Paul G. Shekelle^{1,3,4}

Definition: Evidence Maps

- A systematic search of a broad field
- Goal: to identify gaps in knowledge and/or future research needs
- Presents results in a user-friendly format
 - Visual figure or graph
 - Searchable database
- Stakeholders involved early on
- Evidence Maps do NOT:
 - Rate the quality of the evidence
 - Extract or synthesize study results

Visual map – example



Comparisons

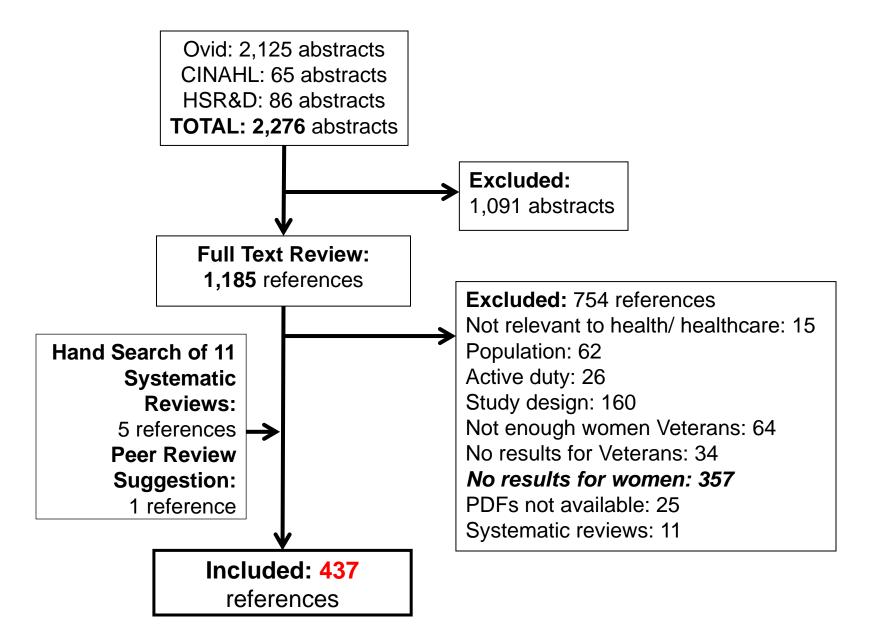
Methods – Search

- Search: MEDLINE, CINAHL, HSR&D database
 - MeSH terms: Women; Women's health; Women's Health Services; Veterans; Veterans Health; Hospitals, Veterans
- Exclusion Criteria:
 - Not related to health/healthcare
 - Does not include Female Veterans
 - Very small proportion Female or Veterans
 - Results not stratified for Female or Veterans

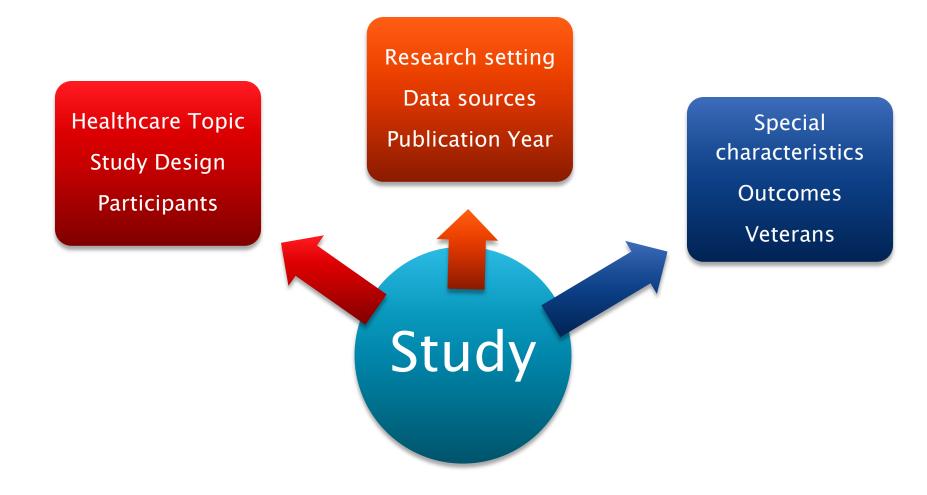
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Literature Flow



Data Abstraction



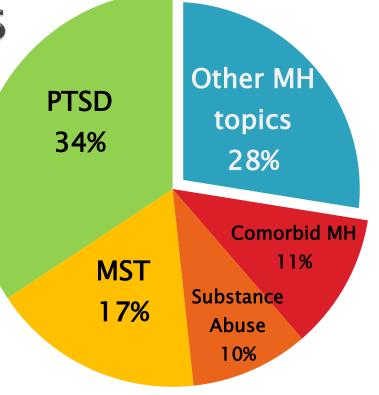
•0	RCT	Healthcare Category				
 Secondary Analysis of RCT Observational Qualitative 100% women <100% women 		Mental Health	Physical Health	Healthcare Organization and Delivery	Access, Utilization, Post– Deployment Health	Other
	n<100			00••		0
Study Size	n=100- 1000					
	n>1000					

Mental Health Studies (47%)

Mental Health Topic	# Studies
PTSD and trauma	71
Military sexual trauma	36
Substance abuse	20
Depression and anxiety	4
Suicide	13
Intimate partner violence	9
Disordered eating	5
Reproductive mental health	4
Serious mental illness	3
Personality disorders	0
Other mental health topics	3
Multiple mental health diagnoses	16
Mental health comorbid with non-mental health	23
TOTAL	207

Common MH topics

- PTSD (71)
 3 RCTs in 2014 and 2015
- Military Sexual Trauma (36)
 1 RCT; 7 prospective cohort
- Substance abuse (20)



MH comorbid with non-MH diagnoses (23)

Potential Growth: Mental Health

Depression (3) & Anxiety (1)

- Depression is the most common MH diagnosis
- 4 large, observational studies (EHR), <15% female

VA/DoD Clinical Practice Guideline

VA/DoD Evidence Based Practice

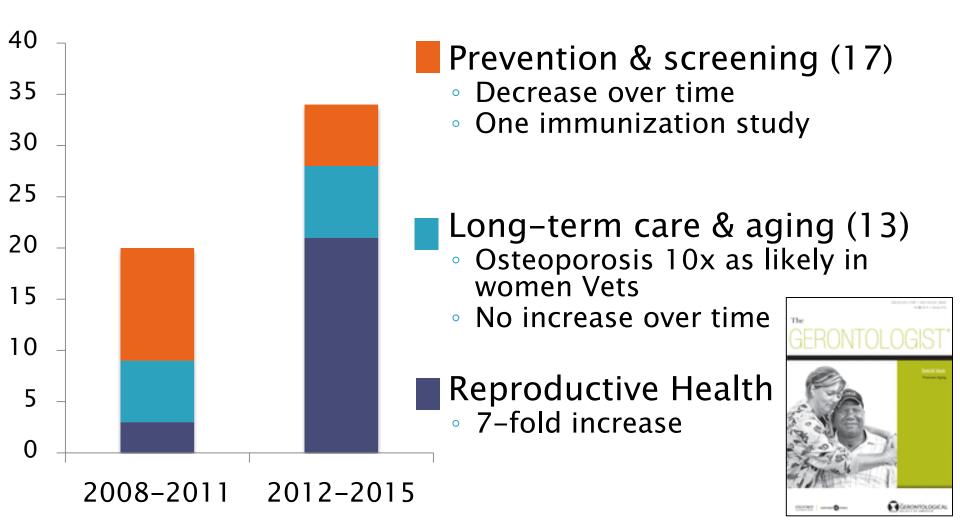
Management of Major Depressive Disorder

Reproductive Mental Health (4) Over 10,000 pregnancies annually

Sourcebook Vol 3: Women Veterans in VHA, 2014

Physical Health Topic	# Studies
Reproductive health	24
Prevention/Screening	17
Long-term care/aging	13
Cardiovascular disease	11
Obesity	9
Chronic pain	7
Cancer	6
Traumatic brain injury	5
HIV/AIDS	5
Tobacco	6
Multiple sclerosis	4
Diabetes	3
Spinal cord injury	1
Traumatic amputations	1
Hypertension	0
Comorbid medical conditions	7
Other medical conditions	13
TOTAL	132

Common Physical Health Topics



Sourcebook Vol 3: Women Veterans in VHA, 2014 The Gerontologist, Vol 56, Issue Suppl_1, Feb 2016

Potential Growth: Physical Health

- Diabetes (3) & Hypertension (0)
 - Common primary care conditions
 - Large observational studies



- TBI (5), SCI (1) & Traumatic amputation (1)
 - Potential for increased incidence with changes in combat participation



Healthcare Organization & Delivery (7%)

Healthcare Topics	# Studies
Comprehensive and primary care delivery	16
Mental health care delivery	9
Emergency care delivery	3
Virtual or telehealth care delivery	3
TOTAL	31

45% published in 2015!

Comprehensive primary care delivery for Women Veterans (16)

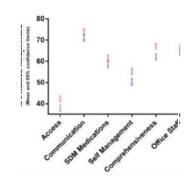


RCT: Provider Education

Qualitative:

Providers & Veterans





Observational:

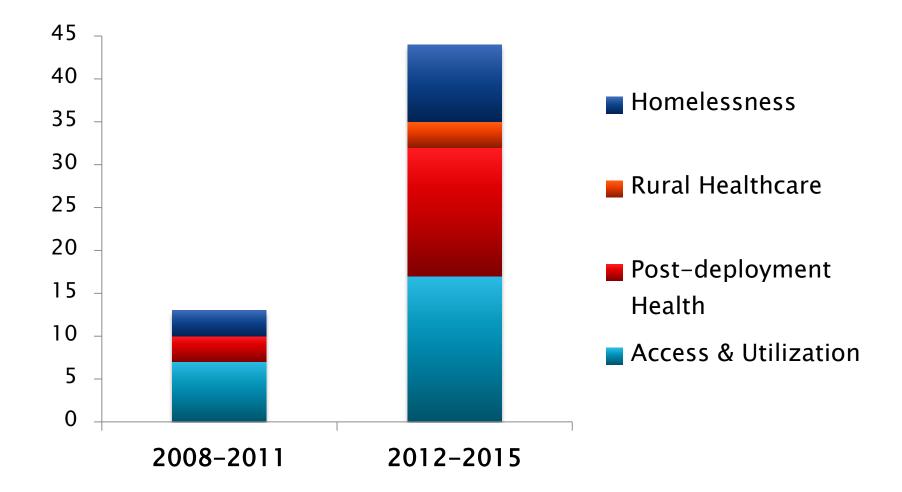
 Needs, preferences, experiences & outcomes

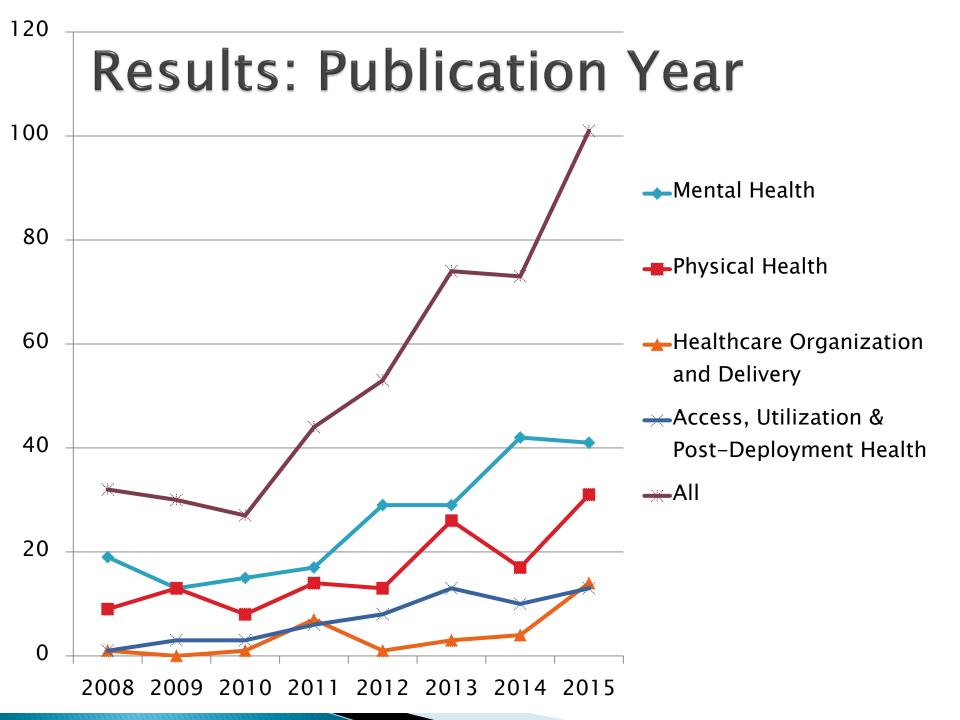
- Effects of WH Provider designation

Access, Utilization & Post-Deployment Health (13%)

Access Topics	# Studies
Barriers and facilitators of care	13
Healthcare utilization	11
Post-deployment health	18
Rural healthcare	3
Homelessness	12
TOTAL	57

Access, Utilization & Post-Deployment Health over time





Funding source

Funding Source	Number of Studies	Proportion of Studies
VA	302	69%
DoD	29	7%
Other Government (NIH)	64	15%
Foundation	24	5%
Industry	4	<1%
University	18	4%
Not Reported	89	20%
Unfunded	6	1%

Attention to priority populations

- Priority populations
 OEF/OIF Veterans (20% of studies)
- Vulnerable populations
 - LGBT Veterans
 - Racial and Ethnic minorities
 - Homeless veterans

→ Most studies published since 2012



We Serve All Who Served



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Topics with evidence of growth

Mental Health

Primary Care and Prevention (Primary Care Delivery)

Reproductive Health

Post Deployment Health

Complex Chronic Conditions/Aging & Long-term Care

Access to Care & Rural Health

Gaps in the evidence

- Common mental health topics
 - Depression & Anxiety
 - Reproductive Mental Health



- Medical topics in primary & complex care
 - Diabetes & Hypertension
 - TBI, SCI and amputation
- Randomized Controlled Trials (8/437)
 - Up to 11 excluded
 - Fourteen more in progress?

Future directions

- Capturing more data
 - Sex-specific reporting in research



National Institutes of Health

- Social and Cultural shifts
 - Combat
 - Don't ask Don't Tell
 - Transgender



- Veteran engagement
- Systematic reviews specific topics

Conclusions

- Women Veterans are a rapidly growing population of VA patients with unique medical and social needs
- Aligning research, policy, and clinical initiatives will best serve women Veterans
- Evidence map can be used to direct future research, policy and clinical care



If you have further questions, please feel free to contact:

Elisheva Danan, MD, MPH

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Full-length report and cyberseminar available on ESP website: http://www.hsrd.research.va.gov/publications/esp/

VETERANS HEALTH ADMINISTRATION

Evidence-based Synthesis Program (ESP)



Women's Health Research Evidence Map Policy Implications

Sally Haskell, MD, MS Deputy Chief Consultant, Women's Health Services



Research Informing Women's Health Policy

Research was critical in informing women's health policy:

- How does health and health care differ?
- What is the impact of military service on women's lives?
- Are we providing equitable care?
- What is the best model of care?
- How do we justify resource allocation?
- Early agenda setting defined research needs
- We have come a long way!

Early Data Informed Policy Development

- Comprehensive Women's Health
 - Defined population differences
 - Gender disparities
 - Fragmentation of care
 - Organization of care
 - Models of care
 - Best practices—Preliminary outcomes
 - Barriers to care
- Women's mental health—PTSD, MST, substance use, disordered eating....
- Reproductive Health

Evidence Map Identifies Progress and Gaps

- Wealth of interest, research skill, new knowledge
- PBRN/ Women's Health Research Network
- Capacity unlike any other health care system to study sex/gender differences in health and health care needs
- The evidence map identifies critical gaps
 - Prevention
 - Chronic Diseases
 - Aging and long term care
 - Depression
- Our largest population of women Veterans is 45-65 and we are just beginning to gain knowledge about the impact of military service on their lives, prevention, chronic disease burden, and how to tailor care to their needs going forward