

# Genitourinary Health in Female Military Personnel: an Exploration of Prevalence and Occupational Performance

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## Background:

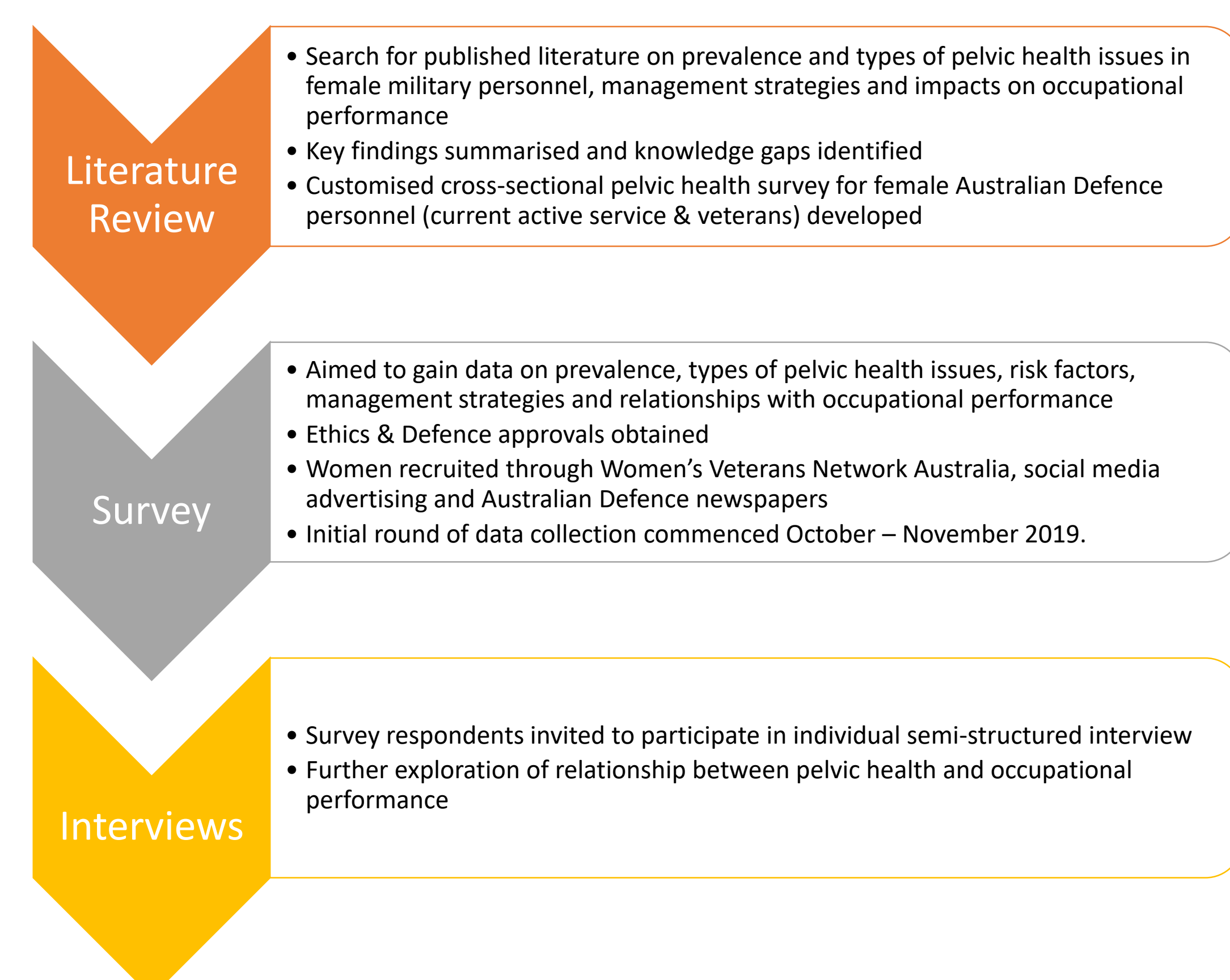
- Women are increasingly assuming more diverse roles within military forces worldwide.
- A growing female workforce necessitates targeted health care support<sup>1</sup>,
- Genitourinary health issues, such as urinary tract infections (UTI) and incontinence, are more common in females<sup>2</sup> and can impact on work performance<sup>3</sup>
- Women working in military contexts may be more at risk due to austere nature of many military environments and physical job demands

## Objectives:

- Explore what is currently known about female genitourinary health in military contexts
- Consider the relationships between female genitourinary health and military occupational health, safety & performance

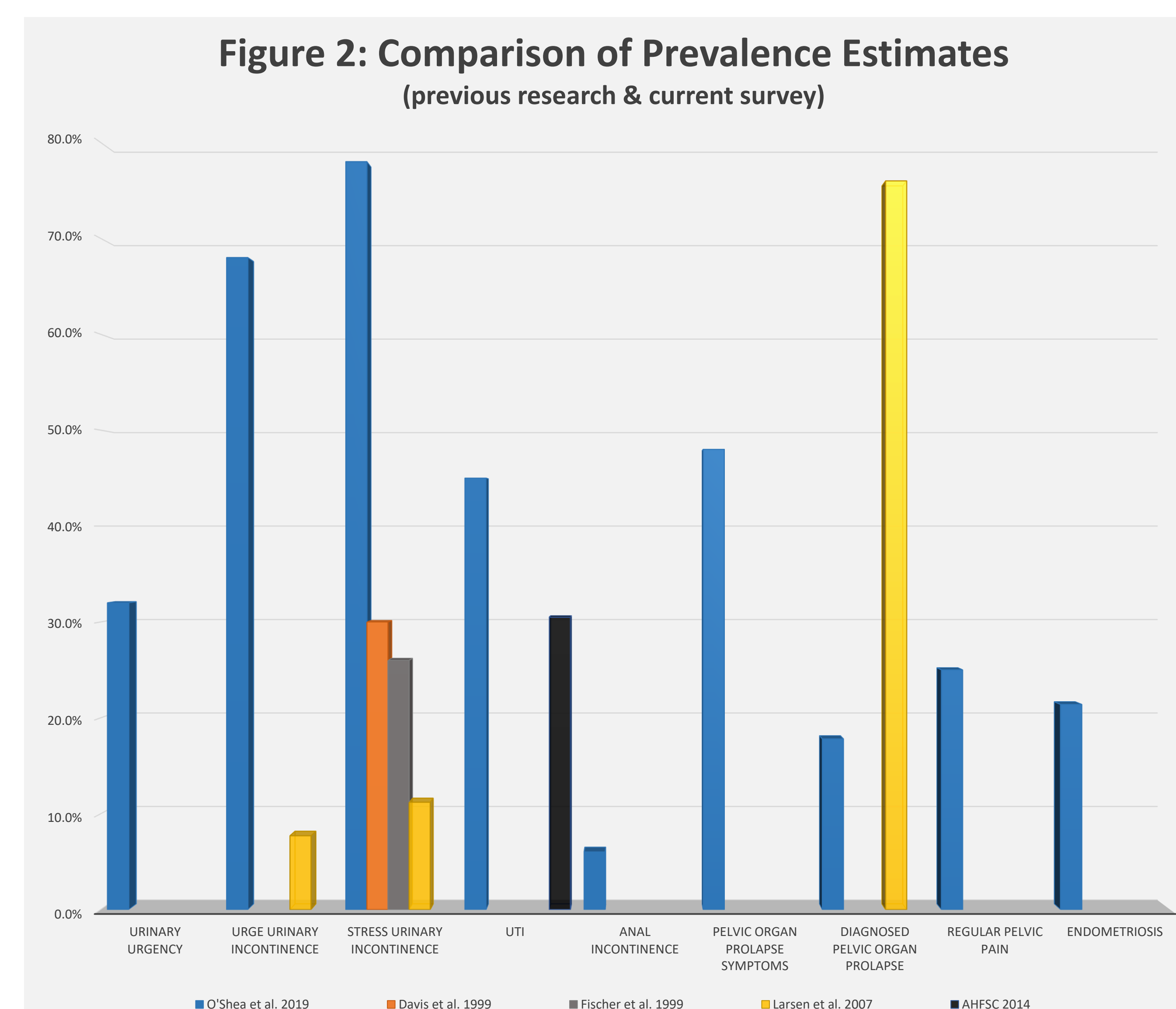
## Method:

Figure 1: Outline of research process



## Literature Review Findings:

- Limited published research (Figure 2)
- UTIs affect 30.5% servicewomen (3.5% men)<sup>4</sup>
- 26 – 30% of active Army & Air Force servicewomen reported urinary incontinence<sup>5,6</sup>
- Evidence of worsening pelvic organ support after military training, with higher risk in paratrooper trainees (RR = 1.57)<sup>7</sup>
- Women less likely to seek medical support for genitourinary health conditions<sup>8</sup>
- Common management strategies, such as fluid restriction and altered voiding patterns may increase the risk of UTIs, heat-related illness and impaired occupational performance<sup>9</sup>
- No published research outside US military context



## Preliminary Research Data:

Table 1: Summary of key attributes from initial survey respondents

Respondents	N = 147
Service:	
Navy	20%
Army	50%
Air Force	30%
Mean age (years)	41 (range 19 – 73)
Full time service	75%
> 10 years service	74%
Commissioned Officers	50%
Pelvic health concerns	77%

- Common management strategies: fluid restriction, pads/liners, frequent toileting, pelvic floor exercises, activity modifications, surgery, bowel management
- Pelvic health issues typically had a mild to moderate impact on work performance
- 3 individual interviews completed

## Take home messages:



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