

# ***Welcome and Overview NIHR Wounds Research Portfolio***

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Supported by

*Tissue Viability Society*

# UK world leading SSI and pressure ulcer prevention and wound healing clinical research



Key characteristics:

1. National Institute for Health Research funding
2. Clinical Research Networks – Research Nurse infrastructure
3. Clinical Trials Units/Methodologists
4. Strong clinical academic partnerships supporting NHS England and NHS Improvement initiatives



**NIHR** | National Institute  
for Health Research

**COMET**  
INITIATIVE

**MRC** | Hubs for Trials  
Methodology Research

# Issues in wounds research



- Level of evidence in wound care is poor
- ‘Phase 3’ studies lack power
- ‘Phase 3’ studies lack methodological rigour
- Outcome measures not standardised



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# ***The challenge of the diverse***

- **Multiple Specialties**
  - Foot ulcers (diabetic, non-diabetic)
  - Burns
  - Surgical wounds (healing by primary intention, healing by secondary intention)
  - Traumatic wounds
  - Leg ulcers (venous, arterial, mixed)
  - Pressure ulcers
  - Other
  
- **Multiple Outcomes**
  - Wound healing (dichotomous/continuous)
  - Surgical Site Infection
  - Wound prevention
  - Scarring
  - Wound recurrence
  - Resolution of infection
  - Cost effectiveness
  - Health-related quality of life

**VenUS I**



**VenUS II**



**VenUS III**



**VenUS IV**



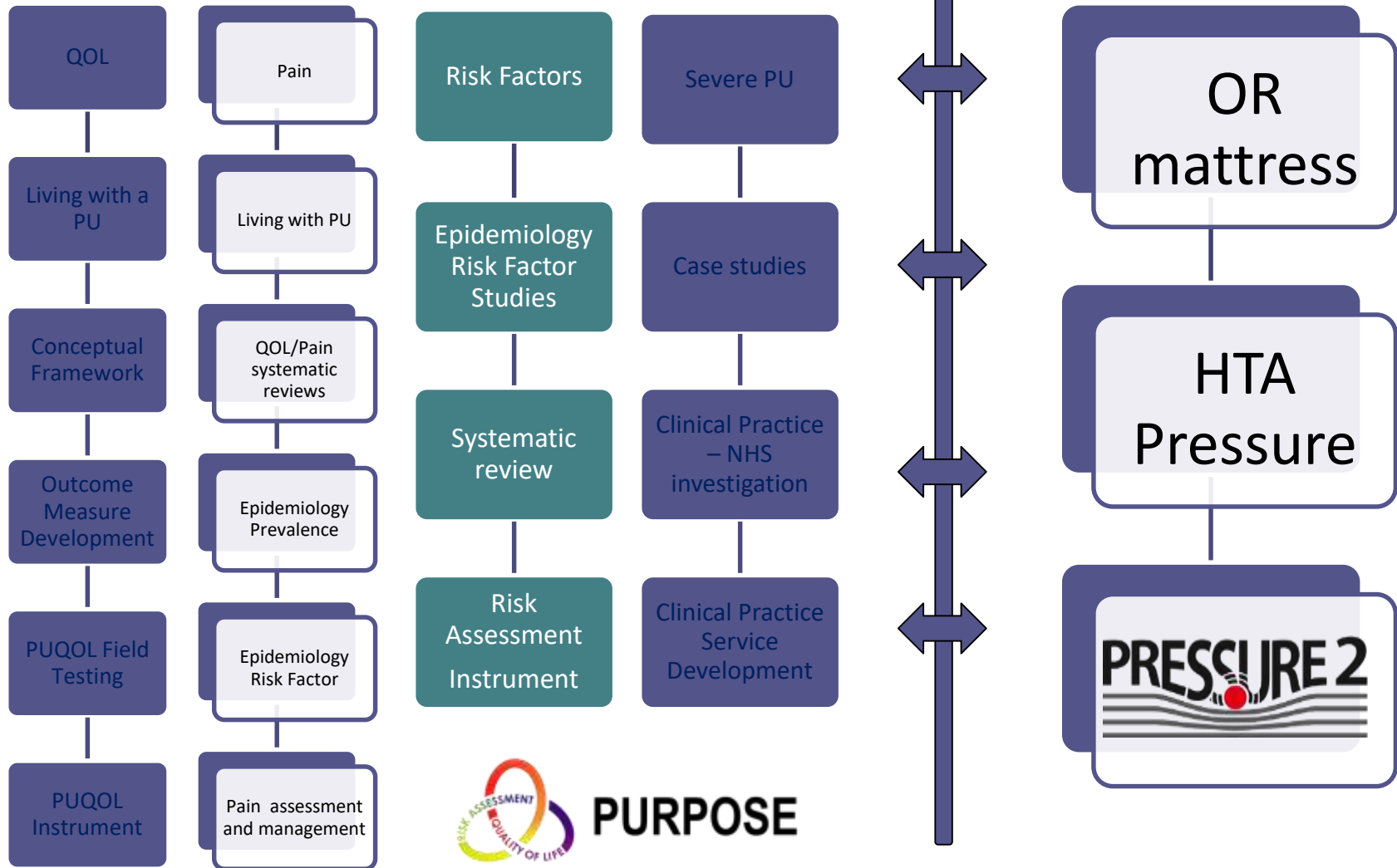
**EORA**

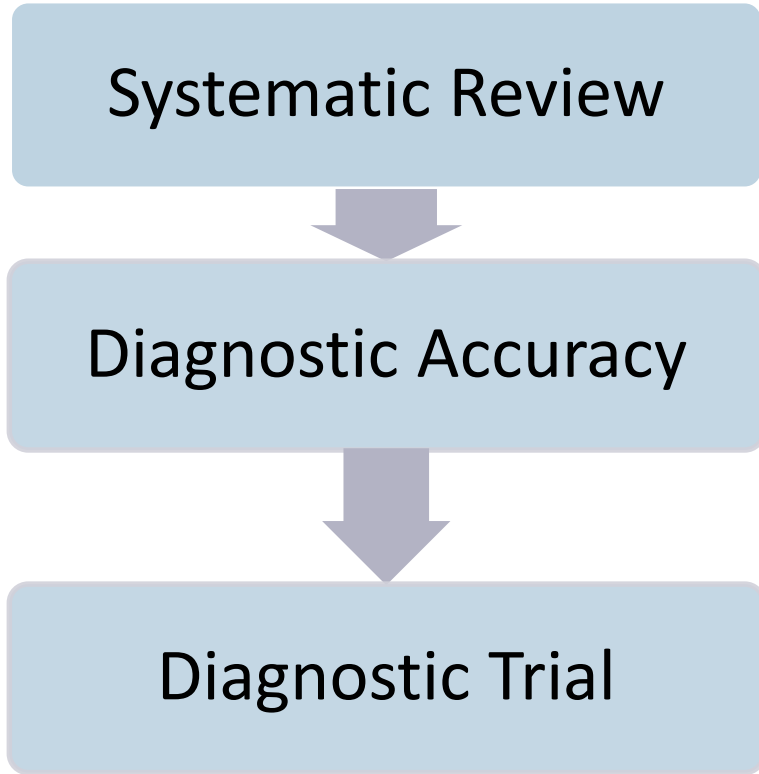
**WOLF**  
Wound Management of Open Lower Limb Fractures

**WHIST**  
Wound Healing In Surgical Trauma



# Pressure Ulcer Prevention







## Trial Interventions

Treatment As Usual (TAU)



HydroSurgical Debridement (HD)



DeCellularised Dermis Allograft (DCD)



Negative Pressure Wound Therapy (NPWT)







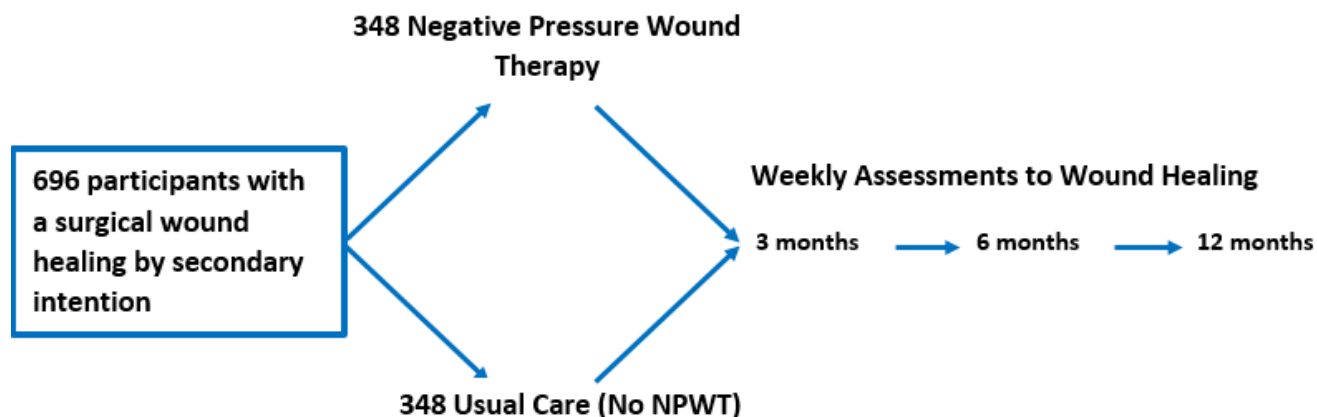
## Packing vs non packing of Perianal Abscess Cavities: a multicentre RCT

**277 patients randomized** (target 526)  
**41 sites open** (target 50)



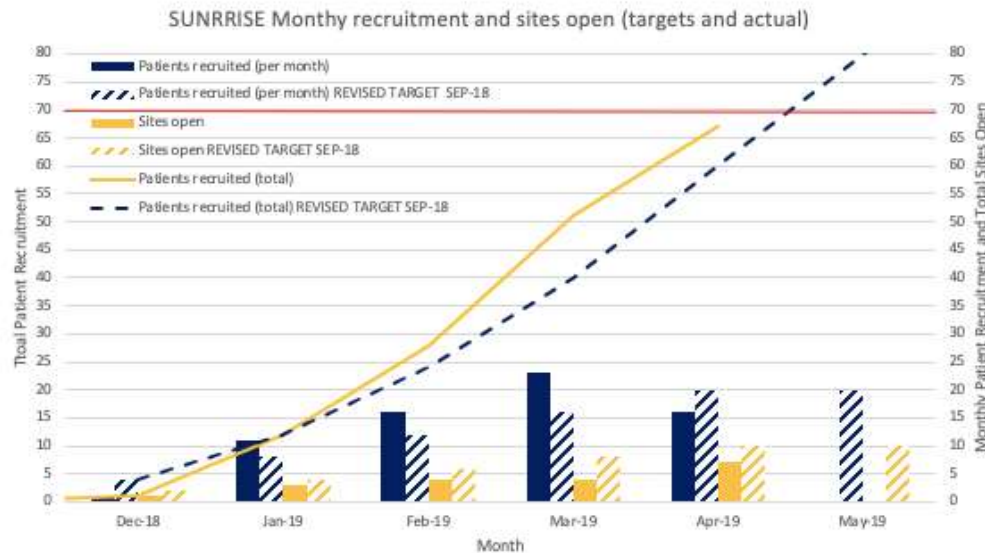


## Surgical Wounds Healing by Secondary Intention Trial – 2



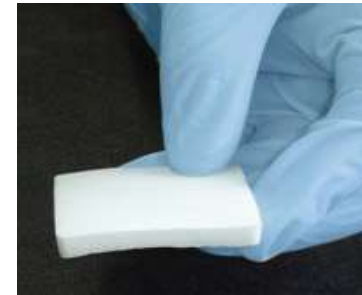


## Single Use Negative p<sub>R</sub>essure dressing for Reduction In Surgical site infection following Emergency laparotomy





**All abdominal surgery** – any incision;  
any indication; emergency and elective  
*Including Laparoscopic-assisted with specimen  
extraction site >5cm*



# GET INVOLVED

**NIHR** | National Institute  
for Health Research



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