

# Reducing the incidence of pressure injuries in aged care - optimising assessment, classification and treatment

Bayside Wound Group

Brighton Victoria

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Stomal Therapist

Breast cancer care

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- ▶ Bayside Wound Group established in 2012
  - ▶ Nurse lead service
  - ▶ Staff -2 Nurse practitioners + 3 part time staff
  - ▶ Acute hospitals, aged care facilities, community visits and out patients clinic
  - ▶ Post acute, chronic, complex wounds, stomal therapy, breast care, diabetes education, special interest in the diabetic foot and pressure injury prevention
  - ▶ Education in wound management and stoma care
  - ▶ Approximately 400-450 visits per month

# Pressure injury in aged care facilities

- ▶ Prevalence reported as high as 43%
- ▶ Major contributor to morbidity and mortality
- ▶ Decreased “Quality of Life”

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- ▶ Existing data demonstrates the burden of PI in the health care system and on society
  - ▶ Cost in aged care facilities

## What is it??

- ▶ 2012-2013 cost in Australia estimated  
**A\$983** million per annum in public hospitals

# Create a specific pressure injury prevention service dedicated to aged care facilities

- ▶ Multiple referrals for management of wounds from aged care facilities
- ▶ Failure to recognise the etiology of wound
- ▶ Lack of evidence based practice



**Can we make a change ?**

# Implementation



- ▶ The facility identifies the patients at risk of pressure injury refers to BWG
- ▶ First visit is bulk billed
- ▶ Nurse practitioner item number 82215
- ▶ Report of assessment management plans and recommendations to be implemented given to the facility and GP

# The service

- ▶ Holistic patient assessment
- ▶ Pressure risk assessment (Braden tool)
- ▶ Recommendation pressure relieving devices

# The Service

- ▶ How to access devices in a timely manner
- ▶ Individualised wound management plan
- ▶ Follow up and ongoing wound assessment
- ▶ Update management plans



# Nutrition



- ▶ Malnutrition is a contributing factor to the development of pressure injuries and impaired healing
- ▶ Nutritional assessment using the Mini Nutritional Assessment - short form

# Nutrition

- ▶ Malnourished patient implement a food and fluid chart
- ▶ Implement appropriate diet supplement
- ▶ +/- Dietician referral

# Education



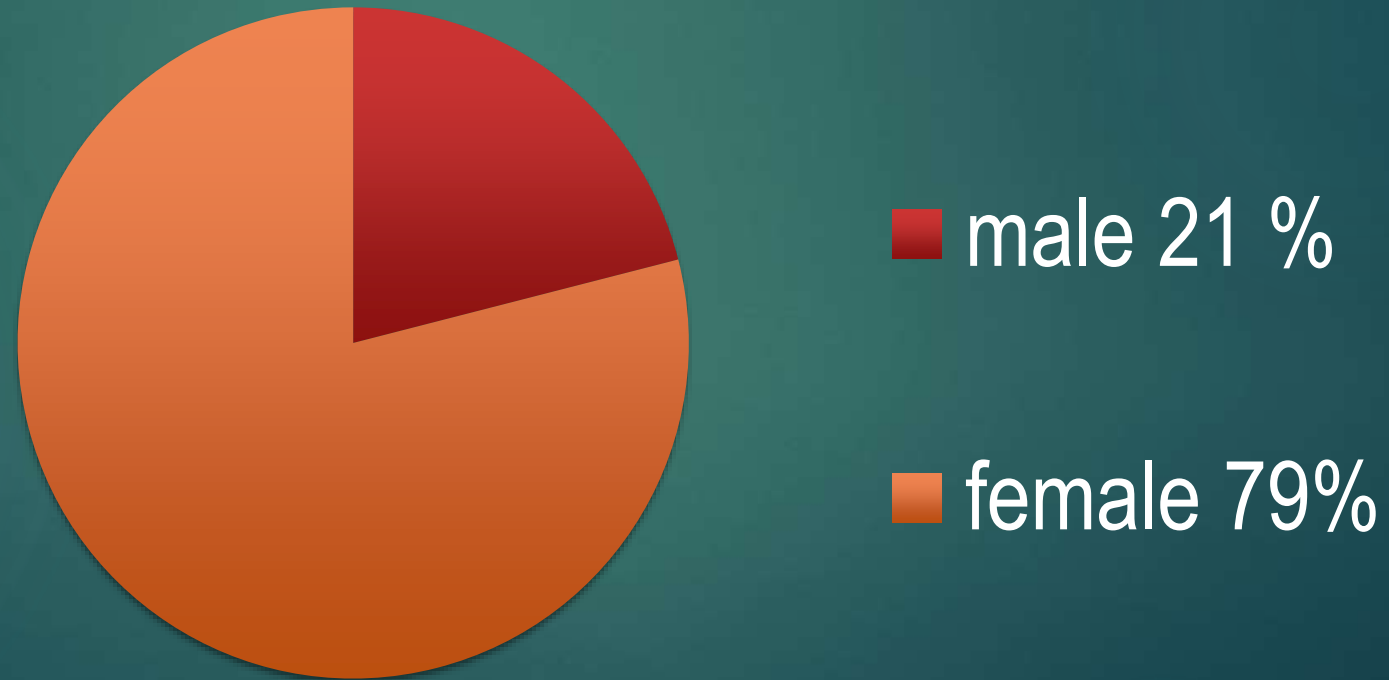
- ▶ Agreed education plan designed to meet each facilities individual needs
- ▶ Sessions for DIV 1&2 and PCAs
- ▶ Pressure injury risk assessment, staging prevention strategies
- ▶ Appropriate implementation of pressure relieving devices

# Education

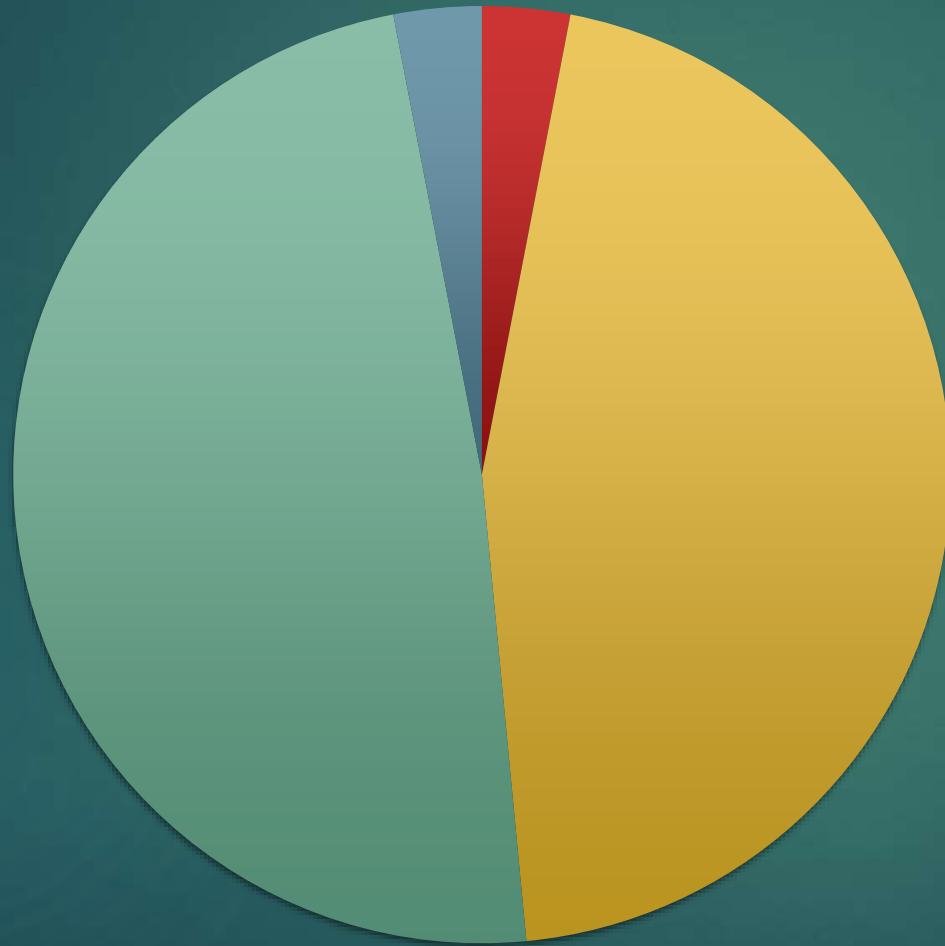
- ▶ Wound management
- ▶ Nutrition
- ▶ Documentation
- ▶ Online education program results are feed back to facility

# Findings

## Patients



# Age



60-70yrs 3%

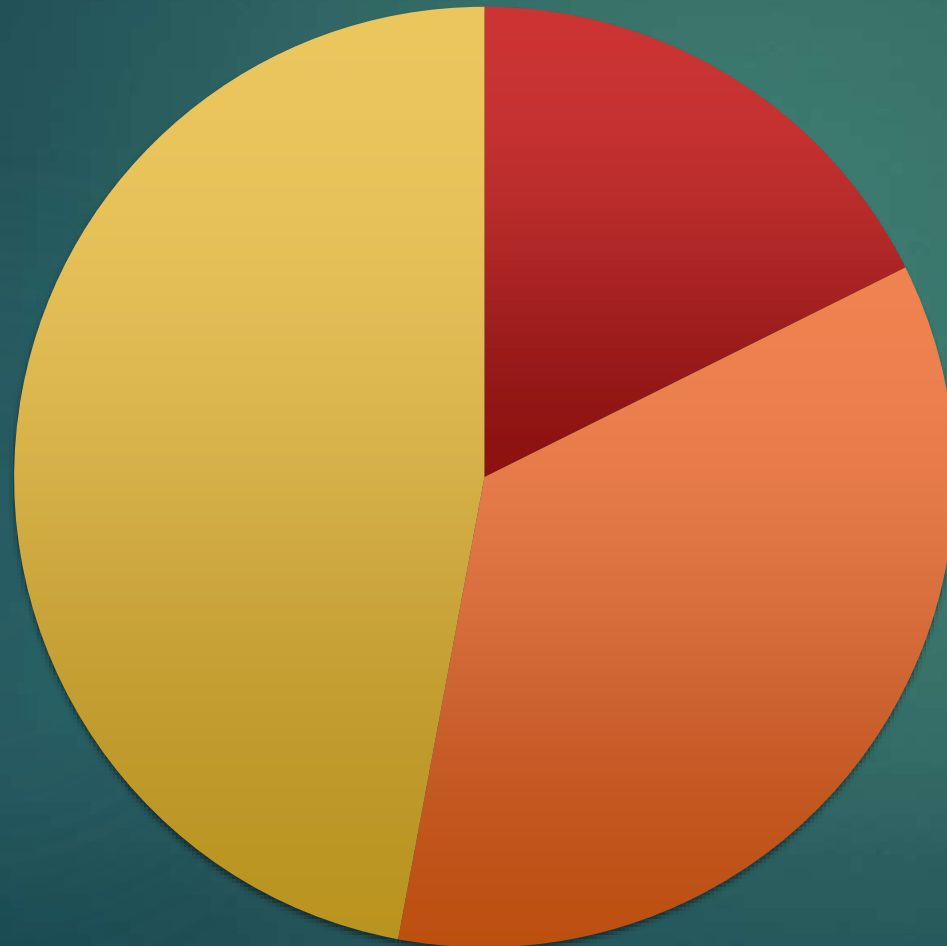
71-80yrs 0%

81-90yrs 45%

91-100yrs 48%

100+ 3%

# Nutritional status



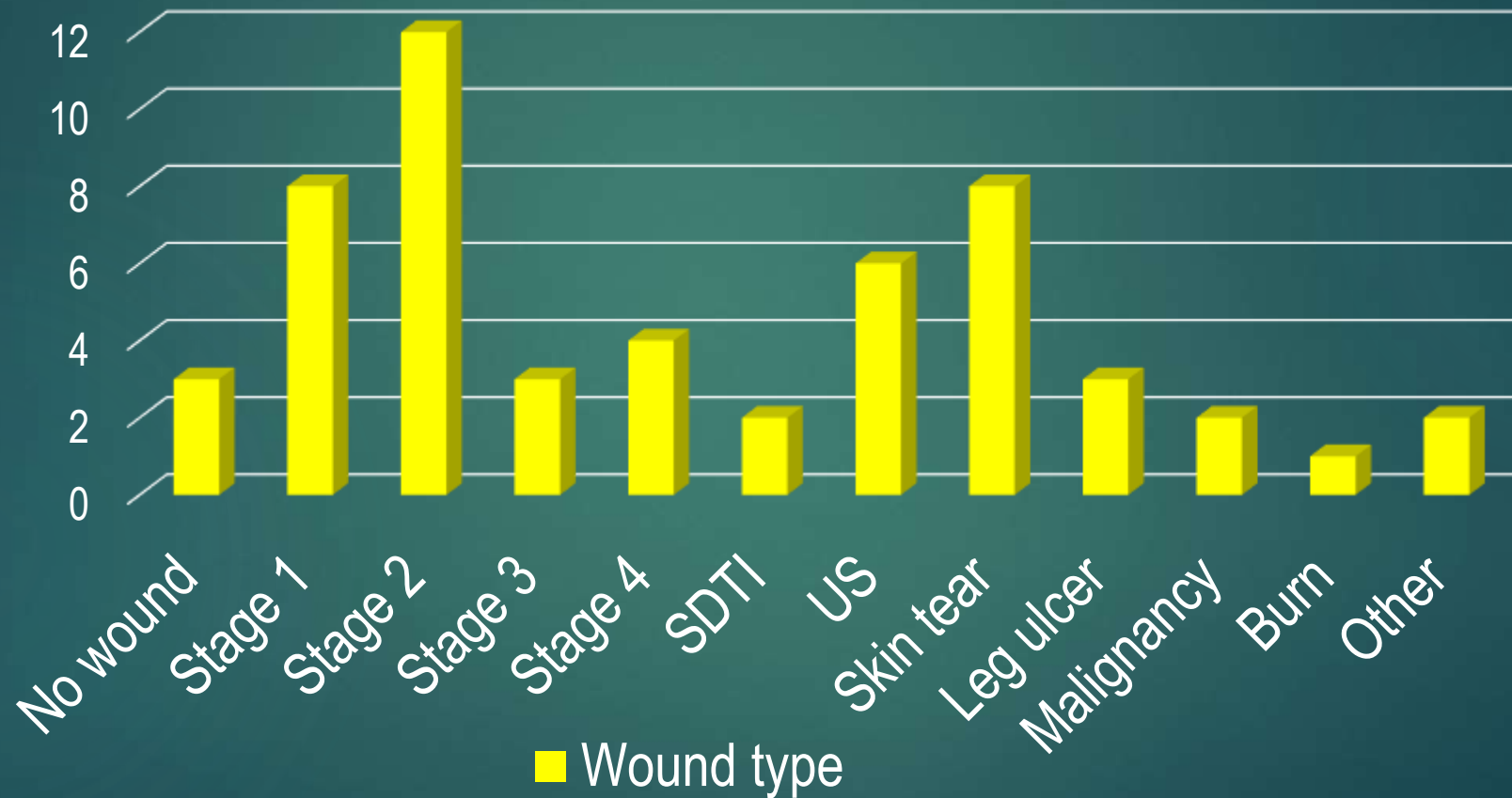
## Nutrition score

■ Normal

■ At risk

■ Malnourished

# Total patients: Assessed 34, 53 Wounds





# Outcome

- ▶ Since BWG involvement facility two stage 1 PI
- ▶ Improved knowledge assessment skills
- ▶ Timely referrals

# Outcome

- ▶ Improved wound management skills
- ▶ Improved nutritional support
- ▶ Cost to the facility **\$12, 880 +**  
implementation of pressure relieving devices

# The future

- ▶ Develop a pilot project to be implement in aged care facilities
- ▶ Seek funding to support the project
- ▶ Seek mentorship to develop the project
- ▶ Make a difference

# Grant

- ▶ Develop an online education program with feedback to management
- ▶ Purchase an advance digital wound management system
- ▶ Real time data and analytics

# Grant

- ▶ Streamlined assessment, treatment and documentation
- ▶ Improved patient monitoring
- ▶ Automated reporting
- ▶ Cost for devices \$13,860

# References

- ▶ Santamaria N, C. K. (2009). Reducing pressure ulcer prevalence in residential aged care: results from phase 11 of the PRIME Trial. *Wound Practice and Research* , 17.
- ▶ Nguyen KH, C. W. (2015, June). *Pressure injury in Australian public hospitals: a cost of illness study*. Retrieved from Aust Health Review: [www.ncbi.nlm.nih.gov/pubmed](http://www.ncbi.nlm.nih.gov/pubmed)
- ▶ Cereda E, K. C. (2015). A Nutritional Formula Enriched with Arginine, Zinc, and Antioxidants for the Healing of Pressure Ulcers. *Annals of Internal Medicine* .

# Declaration of Financial Interests or Relationships



I have no financial interest or  
relationship(s) to disclose

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