

Four regional sites partner to implement an Immunotherapy alert card

Sue Bartlett, Sam Harris, Justin Hargreaves, Melissa Loorham & Ilana Solo

Overview

- ➤ LMICS Project Rollout of Patient Alert Card and Patient Pathway
- Results from the ED & GP Education over the four sites
- ➤ Outcomes following project completion











Loddon Mallee Region (LMR)





- The Loddon Mallee region (LMR) is the region in the north west region of Victoria. It is covered by 10 Local Government Areas (LGAs).
- Approximately 328,000 people live in the LMR. This means that approximately 5% of Victoria's population resides in over a quarter of the state's area.
- The LMR population is concentrated around the south of the region in Bendigo and the Macedon Ranges.
- People with cancer and their carers may utilise urgent care, acute beds, and community-based programs in the smaller services and specialist cancer services in the larger services.



Background to the Project

- Immunotherapy was first used in Australia in clinical trials for metastatic melanoma.
- The results from the clinical trials were "life changing" for patients with Stage 4 disease.
- ➤ A large number of patients went from being told "get your affairs in order" to now living with no evidence of cancer.
- ➤ More clinical trials opened for other tumour streams including NSCLC, lymphoma, leukaemia, kidney, head and neck and bladder cancer.
- >Successful trial results enabled access to these drugs on the PBS.
- ➤ An increased population of oncology patients are now having immunotherapy as part of their standard treatment.
- In the Loddon Mallee region its estimated approximately 2,500 people may have access to immunotherapy as part of their cancer treatment



Background to the Project

Funding Grant LMICS – 2017/2018

"To improve symptom management for patients currently on immunotherapy living in the Loddon Mallee region".

- It was identified that patients living in the Loddon Mallee have their treatment in Bendigo, Ballarat or Melbourne and then when home will present to their local GP or ED.
- ➤ When asked many staff had heard about immunotherapy but didn't know much about it.
- >Staff were not aware that immunotherapy was different to chemotherapy.
- It was identified that symptoms patients were experiencing were often managed the same as if the patient was having chemotherapy



Project Working Group

- ➤ Dr Sam Harris Medical Oncologist Bendigo Cancer Centre
- ➤ Justin Hargreaves Medical Oncology Nurse Practitioner, Bendigo Cancer Centre
- ➤ Donna Milne Melanoma Nurse Coordinator, Peter MacCallum Cancer Centre
- ➤ Gillian Mays & Susan Findlay Chemotherapy Day Unit Swan Hill District Health
- ➤ Cindy Boyd Chemotherapy Day Unit Kerang District Health
- ➤ Heather Blazko Nurse Practitioner Urgent Care Maryborough District Health Service
- ➤ Denise consumer who lives in the Loddon Mallee had combination immunotherapy as part of a clinical trial and treatment ceased due to severe IRAE's.
- Melissa Loorham Project Manager Regional Engagement, LMICS
- ➤ Ilana Solo Strategic Manager LMICS
- ➤ Sue Bartlett Cancer Resource Nurse Maryborough District Health Service



Immunotherapy Project





- The project is over 4 sites including Bendigo, Kerang, Maryborough
 & Swan Hill
- Develop a patient alert card specific to the Loddon Mallee region.
- Develop a patient pathway
- Provide GP education events collaborating with Murray & West Vic PHN
- Provide nursing staff education at the 4 sites.







Wallet Sized Patient Alert Card

IMMUNOTHERAPY RELATED ADVERSE EVENT (IRAE) STOP Category 3				
This patient recently received the form in the patient recently received the form in the patient in the patien	The state of the s			
Patient name: Cancer Type: Medical oncologist:				
Bendigo Cancer Centre PH: (03) 5454 8815 AH: On call Oncologist (03) 54546000	Ballarat Health Service PH: (03) 5320 4389 AH: On call Oncologist (03) 5320 4000			

Contact the treating Oncology team if patient presents with any of the following symptoms/ signs Neurological **Endocrinopathies** ▶ Headaches ► Increased fatigue or Drowsiness mood change/irritability New deficits **Gastrointestinal** Pulmonary Diarrhoea or increased bowel movements ▶ Dyspnoea (4+ daily - above baseline) ► Dry cough Abdominal pain, cramps or tenderness Renal toxicity ► Blood or mucous in stools Skin **Hepatic Toxicity** ► Skin blisters Deranged liver function tests – ▶ Rash ALT/AST > 3 times normal range Pruritis



Patient Pathway



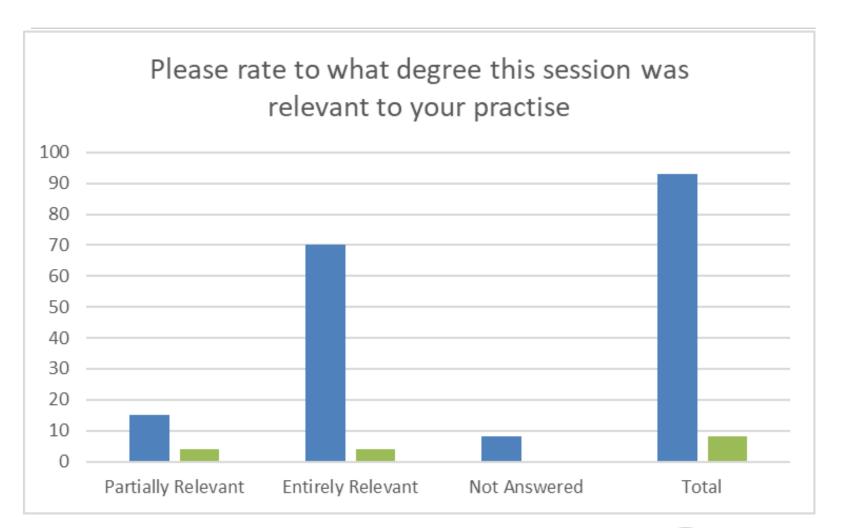




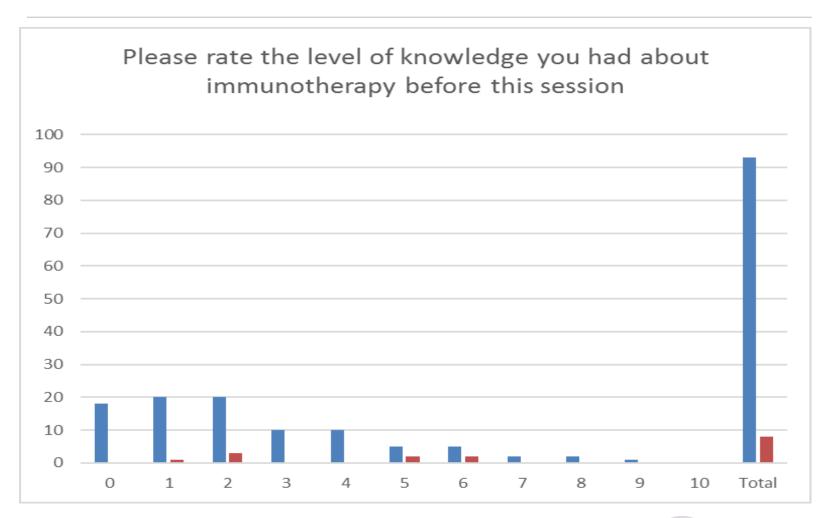
ED Education Results

- The project lead completed ED education to nursing staff over the four sites. There was also one session provided at Bendigo Health to registrar's and residents on rotation in ED and 1 session to a GP clinic in Maryborough.
- ➤ Overall over the four sites 93 nursing staff attended over 22 sessions with 8 medical staff attended the one session at Bendigo Health. Out of the 106 staff that attended 101 evaluations were completed.

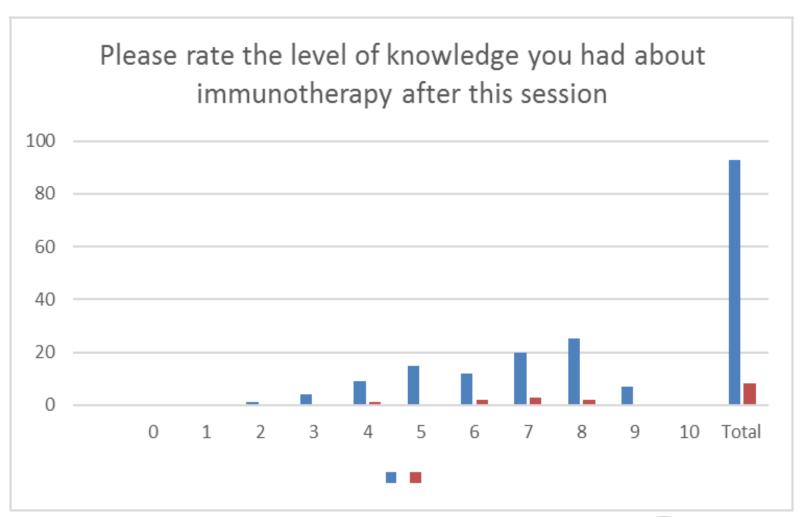














GP Clinic Maryborough

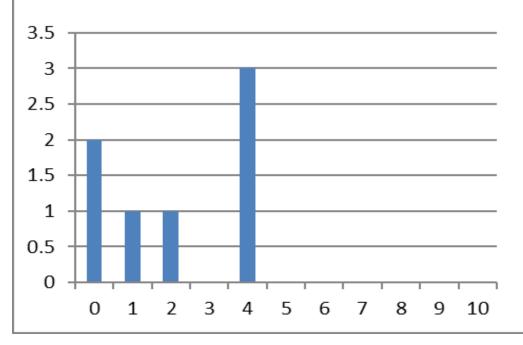
- We were also invited to attend one of the clinics in Maryborough to provide the same education to the practise nurses and administration staff.
- There were 7 staff in attendance that I have also included in the total results but the following slides also include the evaluations of their feedback forms.



Please rate to what degree this session is relevant to your practise 8 7 6 5 4 Please rate to what degree this session is 3 relevant to your practise 2 1 0 Partially Entirely Not Not Relevant Relevant Relevant Answered



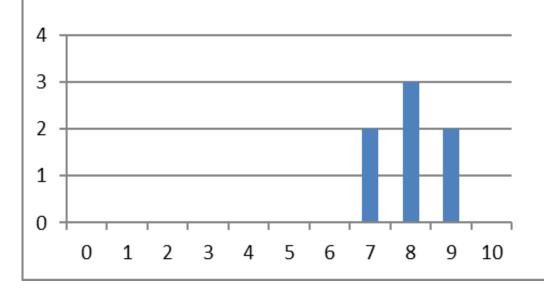
Please rate the level of knowledge you had about immunotherapy before this session



Please rate the level of knowledge you had about immunotherapy before this session



Please rate the level of knowledge you feel you have about immunotherapy since attending this session



Please rate the level of knowledge you feel you have about immunotherapy since attending this session



Which aspects of the session most useful?

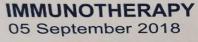
- ➤ Difference between chemotherapy & Immunotherapy
- >Adverse events and how to manage these
- **>**eviQ
- Explanations of the immunotherapy drugs and side effects
- >Symptoms patients present with and what to look out for
- ➤ Different types of immunotherapy
- ➤ Everything know very little about immunotherapy



GP Education

- As part of the project we collaborated with Murray & West Vic PHN due to separate boundaries for all the 4 sites.
- ➤Only 1 GP education was held in Bendigo, as one had been held in the previous year in Swan Hill, and there was a GP event held in Cohuna that GP's in Kerang attended.
- ➤ Unfortunately due to low registrations the GP event that was organised for Maryborough was cancelled.
- ➤On reflection, not enough time was set to organise these events as there were some delays due to RAGP points being organised which ultimately affecting available time promoting the event.







Venue: The Capital Theatre, Bendigo

Attendees: 16 Evaluations completed: 11

Learning outcomes	Entirely met %	Partially met %	Not met %
Outline treatment options to manage immune related adverse events for patients having immunotherapy	100	0	0
Describe the differences between chemotherapy and immunotherapy	100	0	0
identify possible side effects of immunotherapy treatment	100	0	0
identify local referral pathways available to patients who present with an immune related adverse event	82	18	o
	2000	20000	2270

Session evaluation	Entirely met %	Partially met %	Not met %
Did the session content meet your learning requirements?	91	0	9
Rate the degree to which this activity is relevant to your practice	73	27	0
please rate the level of knowledge you had about immunotherapy before this session	18	9	73
please rate the level of knowledge you had about immunotherapy after this session	55	45	0

Suggestions for future topics

- skin problems

GP comments

-was a good talk
- brilliant, timely, no access to this info any other way
- disappointed not may GPs attended especially the "clever" experienced ones who go to
pharmaceutical company meetings on topics they already know about.



Launch of the Project

In December 2018 we held 4 launches at each site. The launches were also promoted on social media, local printed media, LMICS newsletter & WIN Bendigo.











Integrated Cancer Service

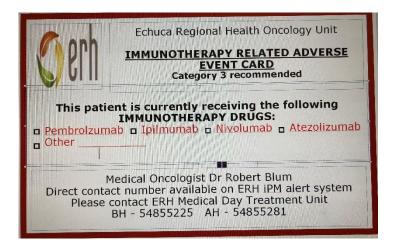
Now the project has finished..

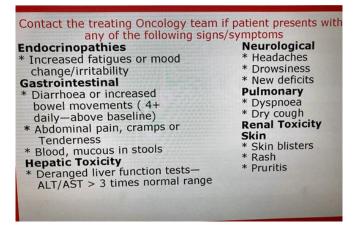
- The patient pathway has been uploaded to quicklinks on the Bendigo Health intranet and will be loaded onto Prompt for the other sites with a policy to be developed to align with the pathway.
- A letter from LMICS will be sent to other ED's in the LMR to inform them of the potential of patients presenting with the wallet sized patient alert card
- The patient pathway is in the process of being uploaded to the WestVic PHN website for GP's to access.
- There is discussion about the patient pathway also being uploaded to the Murray PHN website for GP's to access.



Now the project has finished..

Echuca Regional Health has implemented the patient alert card with changes made specific to the health services.

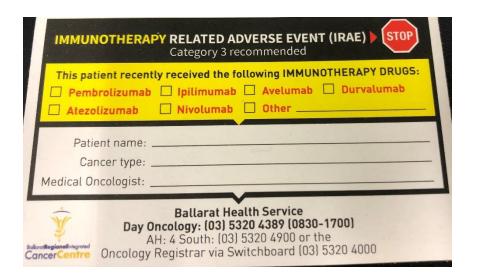


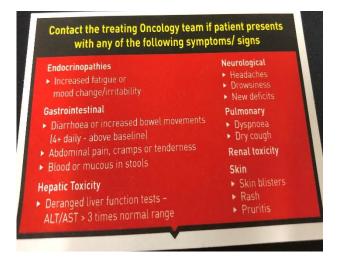




Grampians Region.....

- Cross-geographical boundary implementation to the Grampians Region beyond patients living in Maryborough.
- ➤ Patient alert card changed to suit the Ballarat Regional Integrated Cancer Centre.
- ➤ Printing of cards was funded by GICS







Grampians Region



Ballarat Regional Integrated Cancer Centre (BRICC) is the regional cancer centre for the Grampians region and currently provides four outreach oncology services to Hamilton, Horsham, Maryborough & Stawell.

The estimated resident population for the Grampians, which extends from Melton in the east to the South Australian border in the west is expected to rise to 247,000 by 2020. This will place an enormous burden on the health services including cancer services (GICS, 2010).



Any Questions?

