



# Supportive care needs of newly diagnosed Australian Aboriginal & Torres Strait Islander cancer patients

the silver lining for patients with comorbidity

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**Original Article** 

Supportive care needs among Indigenous cancer patients in Queensland, Australia: less comorbidity is associated with greater practical and cultural unmet need

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### Cancer in Australian Indigenous peoples:

- ↑ incidence of most fatal cancers <sup>1</sup>
- ↑ late stage diagnosis ²
- \prescript{poptimal cancer treatment } 3
- \pressurvival following cancer diagnosis 4
- Cultural differences in understanding cancer 5, 6
- Mistrust, fear, isolation <sup>7</sup>
- Indigenous-exclusive services critically lacking 8
- Moore et al., 2011;
   Moore et al., 2014;
   Whop et al., 2016;
   Condon et al., 2014
   McGrath et al., 2006;
   Prior, 2009;
   Shahid et al., 2009;
   Whop et al., 2012



# What are the supportive care needs of Australian Indigenous cancer patients?

The necessary services to meet the physical, informational, practical, emotional, psychological, social and spiritual needs of those affected by cancer during the cancer trajectory.

- Qualitative evidence: difference in types/priority of needs 5-7
- Supportive Care Needs Assessment Tool for Indigenous Peoples (SCNAT-IP) 9

9. Garvey et al., 2015



Original Article

#### Psychometric Properties of an Australian Supportive Care Needs Assessment Tool for Indigenous Patients With Cancer



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BACKGROUND: There are significant disparities in cancer outcomes between indigenous and non-inthe unmet supportive care needs of Indigenous Australians with cancer is imperative to improve their
current study was to test the psychometric properties of a supportive cancer care needs assess
(SCNAT-IP) with cancer. METHODS: The SCNAT-IP was administered to 248 Indigenous Australians types and stages, and who received treatment in 1 of 4 Queensland hospitals. All stages are supported to the constitution of the control of the co

#### Most common moderate-high unmet needs

- Money worries (22%)
- Concerns about the worries of those close to you (15%)
- Worry about the illness spreading (14%)
- Feeling sad or down (13%)
- Anxiety (12%)



### Comorbidity and cancer:

- Indigenous cancer patients have \(^{\chi}\) comorbidity \(^{10, 11}\)
- Comorbidity | treatment, survival <sup>2</sup>
- It is plausible comorbidity would have ↓ or ↑ impact on needs
  - comorbidity may increase health interaction
    - → opportunistic needs assessments
    - → increased health literacy
    - → increased awareness of what to expect
  - greater financial burden
  - more ill-health, reduced function

10. Valery et al., 2006; 11. Diaz et al., 2015



#### Recruitment

- Four Qld Public Hospitals
- Identified by hospital staff
- Interviewed by trained research staff

392 eligible patients
101 not contactable
43 declined
65 diagnosed > 9 months prior
183 patients included



## **Measuring SCN**



**Moderate-high domain need:** at least one item within the domain with moderate-high unmet need

- Physical and psychological (11 items)
- Hospital needs (4 items)
- Information and communication (6 items)
- Practical and cultural (5 items)



## Measuring comorbidity

- Medical chart review
- Good agreement between medical chart and self-report \* 12
- Charlson Comorbidity Index quantify comorbidity burden 13
  - $\bullet$  No comorbidity: CCI = 0
  - **♦** Mild comorbidity: CCI = 1
  - **②** Moderate-severe comorbidity: CCI = 2+

12. Bernardes, Diaz, et al., In Press; 13. Charlson, 1987



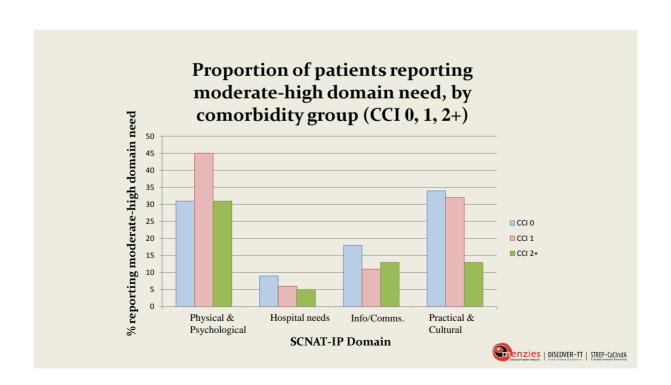
#### Patient characteristics

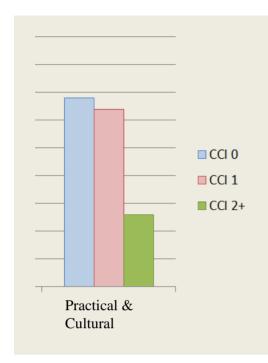
- Mean age: 52 years
- 58% Female
- 34% lived in major cities, 44% regional, 22% remote
- 19% most advantaged SES areas, 30% most disadvantage
- Mean time since diagnosis just over 10 weeks
- Most common cancer: breast (23%)
- 89% currently receiving treatment



Most frequently reported moderate-high
unmet need

Rank	CCI = 0	<b>CCI</b> = <b>1</b>	<b>CCI</b> = <b>2</b> +
1	Money worries	Money worries	Worry about cancer spread
2	Concerns for others	Worry about test results	Anxiety
3	Feeling tired	Worry about cancer spread	Feeling sad
4	Finding a place to stay	Concerns for others	Worry about test results
5	Having an Indigenous person for support	Work around the home/doing things you used to do	Money worries





Patients with **moderate-severe comorbidity** had significantly **lower odds of practical and cultural unmet** need compared to those with mild comorbidity (CCI 1) (OR 0.32, 95%CI 0.11-0.87) and those with no comorbidity (CCI 0) (OR 0.28, 95%CI 0.11-0.75)



What might these results mean for cancer care and the healthcare system?

- **♦ Culturally appropriate needs assessment** for Indigenous cancer patients, perhaps particularly those who have little prior experience with chronic disease/hospital system
- **② Indigenous liaison officers/Aboriginal health workers** may play key role in helping patients fulfil practical and cultural needs.
- ◆ Continuity of care, coordination of appointments & services role for Navigators/Care Coordinators?
- Financial assistance for those travelling less than 50km
- Opportunity of **tele-oncology** reduce cost on patient & system; reduce social isolation; involve social networks; improve patient-doctor communications



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