

Background

Anxiety and depression in immigrant liver transplant recipients

Figure 2 – Anxiety and Depression by Age at Immigration

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P-value

also influence this

Immigrant status was not associated with anxiety or

· Immigrants who immigrated at an older age had lower

Individuals in this group may have greater personal and

· This may result in fewer immigration stressors,

Selective immigration policies, favouring healthy and

· Additionally, immigrants who immigrate at an older age

may maintain greater cultural ties as a result of decreased

potentially leading to lower self-reported depression

economic stability at the time of immigration.

educated immigrants, could

depression among LTRs.

depression scores.

scores.

relationship.

0.037*

0.064

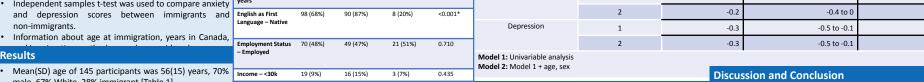
0.003*

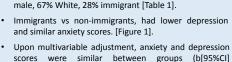
0.005*

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• ~1 in 5 Canadians are immigrants (born outside of	The objective was to assess if immigrant status is associated with self-reported anxiety and depression						Anxiety by Age at Immigration				Depression by Age at Immigration				
Canada).Immigrant status may be associated with higher anxiety			eported anx	dety and d	lepression	- 8 -				p=0.03	7* 5				p=0.003*
and depression vs non-immigrants due to stressors	Table 1 – Population Demographics					1 Sco	• •				on T.Sr 70				
associated with immigration.Chronic liver disease is frequent among immigrants, in	Variable	Total Cohort	Non-Immigra nt	Immigrant	p-value	Anxiet				•	epressi 60				
, , , , , , , , , , , , , , , , , , , ,		145 (100%)	104 (71%)	41 (28%)		S-CAT		-	•		CATD				
infection.						PROMI 40		•		•	SOMIS-				
 Liver transplant (LT) is the only definitive treatment for liver failure. 	Mean age (±SD)	56 (15)	53 (15)	62 (11)	0.003*	8-			•	•	30 8	Ļ		•••	_
Immigrant IT recipients (ITPs) may have greater anxiety.	Gender – Male	101 (70%)	70 (67%)	31 (76%)	0.231	0	10	20 30 Age at Immigration	40	50		0 10	20 30 Age at Immigration	40 5	3
Methods							95% CI PROMIS-C	AT Anxiety T Score	Fitted value	ues		95% CI PROMIS-C	AT Depression T Score	Fitted values	
A cross-sectional cohort of adult prevalent LTRs from a	transplant (IQN)	5.4 (1-12)	5.0 (1-12)	7.0 (2-12)	0.562										
single Canadian transplant centre completed the PROMIS						Table	2 Multivar	iable Linear I	Pagraccione	for Anviety ar	ad Donre	ession by Age :	t Immigration		

CAT Anxiety and Depression item banks through Outcome Model Results electronic data capture. Ethnicity - White 97 (67%) 80 (77%) 17 (41%) <0.001* CI · Immigration status, sociodemographics, and clinical variables were also collected. Education -<12 48 (33%) 39 (38%) 9 (22%) 0.075 Anxiety -0.2 -0.4 to 0 Independent samples t-test was used to compare anxiety 2 -0.2 **English as First** 98 (68%) 90 (87%) 8 (20%) <0.001* and depression scores between immigrants and Language - Native non-immigrants. Depression -0.3 · Information about age at immigration, years in Canada, -0.3 **Employment Status** 70 (48%) 49 (47%) 21 (51%) 0.710 Employed Results Model 1: Univariable analysis





- Mean(SD) time since immigration was 38(17) years, and mean(SD) age at immigration was 21(15) years. Most immigrants (90%) were landed immigrants.
- · Older age at immigration was associated with lower anxiety and depression scores following univariable analysis [Figure 2] [Table 1]

1.0[-2.6-4.6]: -2.5[-6.0-1.0).

When adjusted for age and sex older age at immigration.

Objective

