



Mahidol University
Faculty of Nursing
Nurses of the Land



International Conference

N – nergizing **N**ursing Profession for **N**CD Challenges
(**N3** Nursing Conference)



"Confirmatory Factor Analysis and Reliability of the Acculturative Stress Scale among Myanmar Migrants in Thailand."

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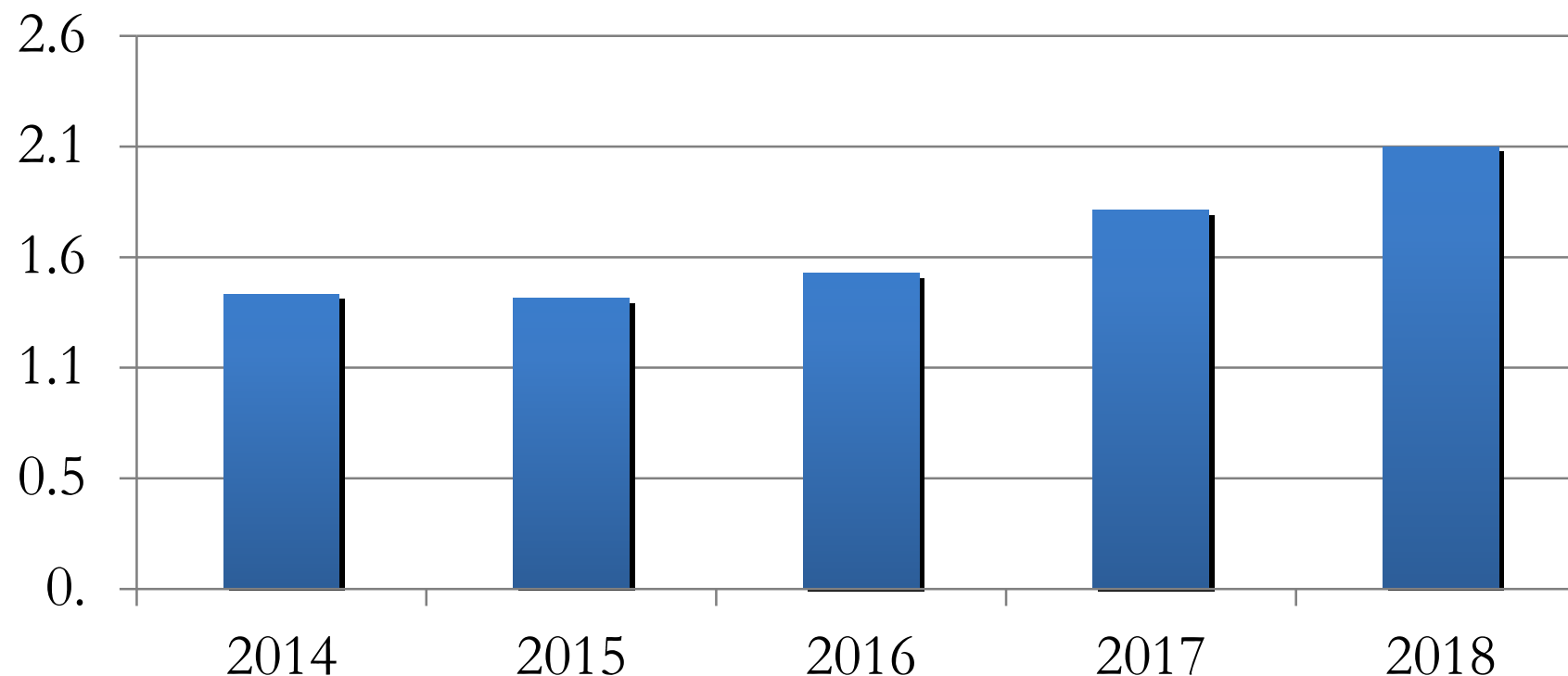
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Background and Significance

Number of migrants in Thailand (million)

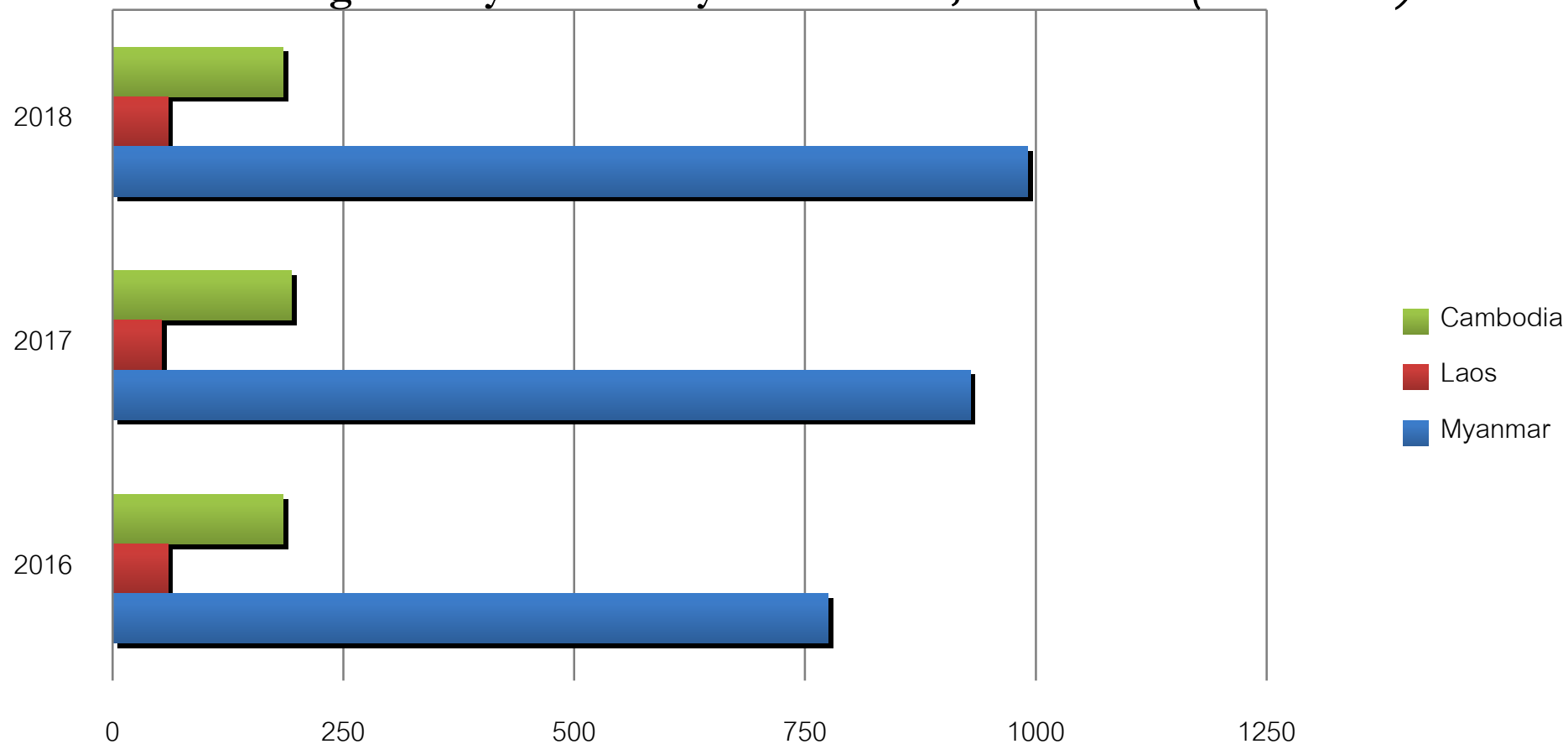


Source: Foreign Workers Administration, Thailand (2018).



Background and Significance

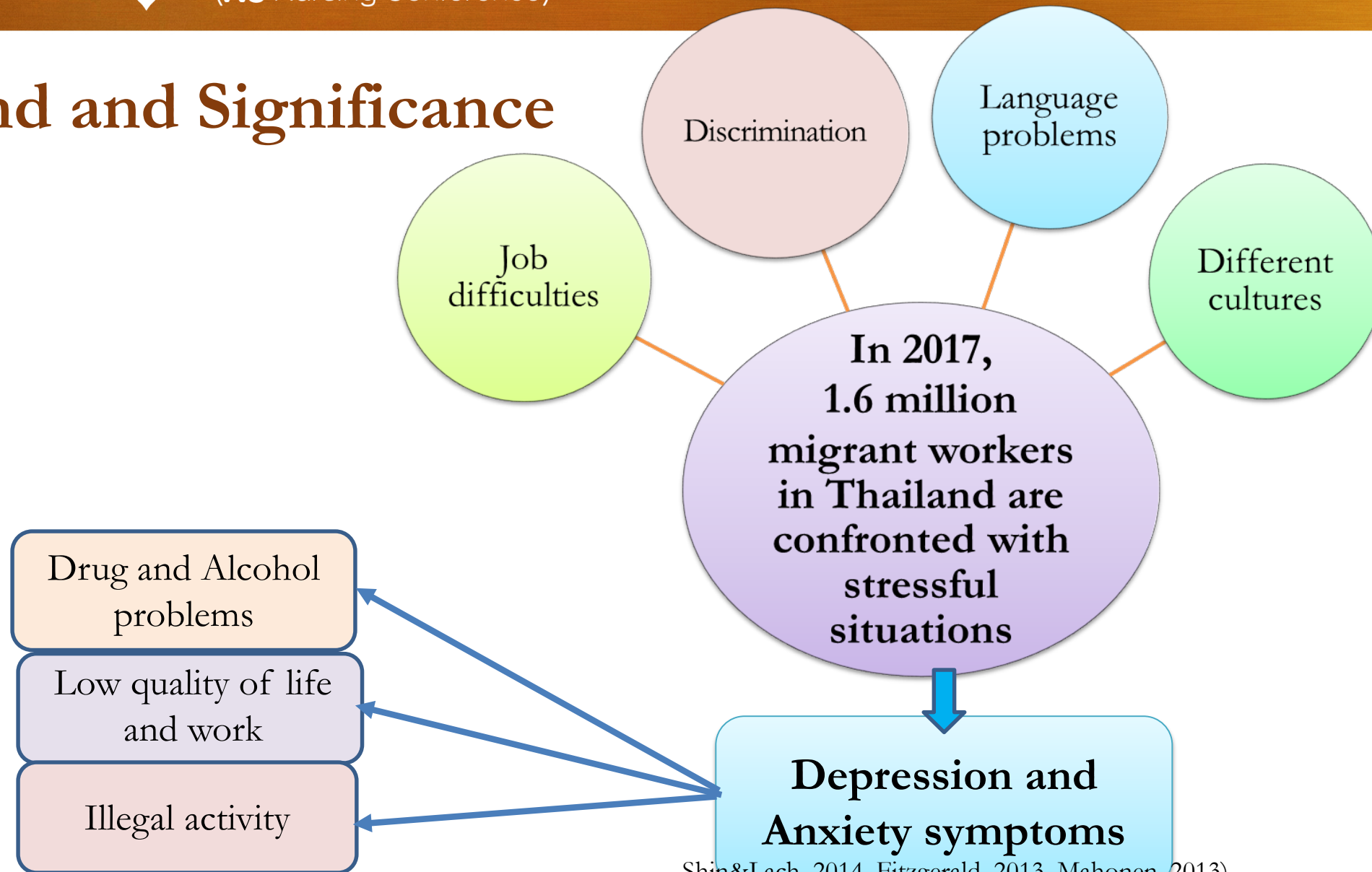
A number of migrants by nationality in Thailand, 2016 – 2018 (*thousands*)



Source: Foreign Workers Administration, Thailand (2018).



Background and Significance





Background and Significance

Acculturative Stress Scale

- More specific for ethnic groups (i.e., Latino or Korean migrants in the U.S.)
(Cervantes RC, Padilla AM, and Salgado de Snyder N. The Hispanic Stress Inventory: A culturally relevant approach to psychosocial assessment. *Psychological Assessment*. 1991;3:438–447.)
- More specific for population (i.e., international students)
(Sandhu, D. S., & Asrabadi, B. R. (1994). Development of an Acculturative Stress Scale for International Students: preliminary findings. *Psychological Report*, 75(1 Pt 2), 435-448.)



Limited application generally among migrant workers in other areas



Purpose:

To test for reliability and construct validity of the Acculturative Stress Scale (ASS) – Burmese version for use in migrant workers from Myanmar in Thailand.

Methodology:

- A confirmatory factor analysis through LISREL, and Reliability by calculating Cronbach's alpha coefficient
- 445 Burmese Migrant Workers in Thailand from the previous study



Instrument: The Acculturative Stress Scale (ASS)

- Modified from The Acculturative Stress Scale (ASS) (Sandhu & Arabadi, 1994) based on previous Thai findings
- Content relevance validated by three experts with extensive experience working with migrant workers in Thailand.
- Translation and back-translation from English to Burmese Language by Burmese Teacher in Thailand
- The modified ASS consisted of 24 items across four domains
 - 1) perceived discrimination (10) items,
 - 2) perceived hate (5 items),
 - 3) stress due to change/culture shock (5 items), and
 - 4) financial problems (4 items)].



Main Findings

- Chi-square = 179.03, df = 151, p-value = 0.059,
- RMSEA = 0.02,
- GFI = 0.97, and
- AGFI = 0.94



Conclusion and Recommendations

- Findings indicate that the modified ASS is *a reliable measure* for use in migrant workers from Myanmar In Thailand.
- Great benefit for use as an assessment tool for both *research and clinical purposes*.



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Thanks for your attention

Any Question or Suggestion

