









Cronfa Gymdeithasol Ewrop

European Social Fund



Bwrdd lechyd Prifysgol Betsi Cadwaladr University Health Board



Establishing a Welsh language version of the

Generalised Anxiety Disorder-7 questionnaire (GAD-7)

Dr Llinos Haf Spencer, Beryl Cooledge, Delyth Prys, Bangor University Dr Sara Hammond-Rowley, Betsi Cadwaladr University Health Board



Introduction

In recent years, there has been a growing focus on the mental health and wellbeing of young people in Wales (National Assembly for Wales, 2018). Despite the growing need for language and cultural awareness in health research, there is a lack of health measures available in Welsh to enhance the reliability and validity of studies conducted in the bilingual context of Wales, and this is especially true for measures to be completed by young people. LLAIS, embedded in the NWORTH Trials Unit and funded by Health and Care Research Wales, has recently been involved in the linguistic validation of three health and wellbeing measures for the ADTRAC project (ADTRAC, 2018).

Aims and objectives of the GAD-7 validation

To prioritise and establish a Welsh language version of the GAD-7 wellbeing measure through:

- Undertaking the translation and linguistic validation of a Welsh language version of the GAD-7 measure to benefit the clinical as well as research context.
- Making the Welsh version of the GAD-7 measure available on the interactive web resource, MI-CYM <u>www.micym.org</u>, to aid accessibility for clinicians, researchers and other service providers.

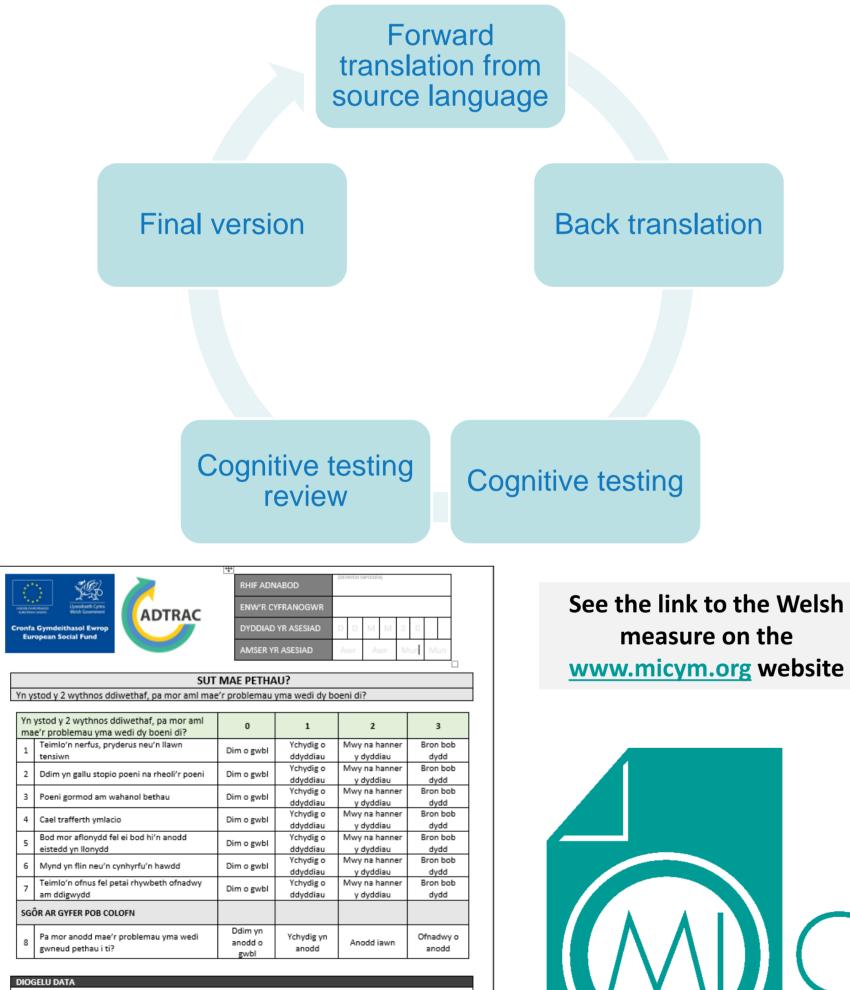
"Anxiety affects many young people like us" "Mae pryder a gorbryder yn effeithio ar lawer o bobl ifanc fel ni" Quote from Young Person



Methods

A comprehensive step-by-step process with quality control steps and cognitive testing was undertaken to ensure that both conceptual and semantic equivalence are achieved. The steps were as follows. (See http://micym.org/llais/static/translations.html)

LLAIS/ADTRAC Focus Group at Galeri Caernarfon 26/06/2018



Findings

As well as professional translators, a language terminologist, and healthcare professionals, twelve young people from North Wales gave their opinion on a version of the Welsh language GAD-7 in focus group sessions or in face to face interviews to ensure clarity of the questions. Changes were made to the wording based on these discussions and final comments from the language terminologist. Example changes:

| Generalised Anxiety Disorder -7 (GAD-7) | Welsh version to be tested | Comments from Young people | Comments from the terminologist | The final Welsh version |
|--|---|---|---|--|
| Over the last 2 weeks, how often have you been bothered by any of the following problems? | Yn ystod y 2 wythnos diwethaf, pa mor aml mae'r problemau yma wedi dy boeni? | Suggested that 'di' (you) was added to the end of the sentence | It is acceptable to include the 'di' (you). | Yn ystod y 2 wythnos diwethaf, pa mor aml mae problemau yma wedi dy boeni di? |
| Not being able to stop or control worrying | Ddim yn gallu stopio poeni na'i reoli | Suggested that the sentence ended too soon, and that the word 'poeni' (worrying) should be added to the end of the sentence. | It is acceptable to add 'poeni' (worrying) to clarify the question. | Ddim yn gallu stopio poeni na rheoli'r poeni. |
| Being so restless that it is hard to sit still | Bod mor aflonydd fel ei bod yn anodd eistedd yn llonydd | Suggested that 'yn' should be replaced with ' hi'n' . | It is acceptable to replace 'yn' with 'hi'n' to make the flow of the sentence better. | Bod mor aflonydd fel ei bo hi'n anodd eistedd yn llonydd. |
| How difficult have these problems made it for you | Pa mor anodd y mae'r problemau yma wedi gwneud pethau i ti? | Suggested that the 'y' was unnecessary. | It is acceptable to remove the 'y' (the) as it is not needed here. The flow of the sentence is fine without it. | Pa mor anodd mae'r problemau yma wedi gwneud pethau i ti? |

"Anxiety and depression affect many young people in Wales" "Mae pryder ac iselder ysbryd yn effeithio ar lawer o bobl ifanc yng Nghymru"

| Rwyf yn deall bod yr holl wybodaeth a nodir ar y ffurflen hon yn amodol ar ddarpariaethau Rheoliadau Diogelu Data Cyffredinol (GDPR) 2018. | | | | | |
|--|---------|--|--|--|--|
| Tynnir eich sylw at Hysbysiadau Preifatrwydd y sefydliadau a ganlyn: | | | | | |
| Hysbysiad Preifatrwydd Grantiau Llywodraeth Cymru: <u>https://beta.llyw.cymru/hysbysiad-preifatrwydd-grantiau- llywodraeth-cymru</u> Polisi Preifatrwydd Grŵp Llandrillo Menai: <u>www.gllm.ac.uk/gdpr</u> Polisi Preifatrwydd [ychwanegwch enw'r Awdurdod Lleol] Cedwir y wybodaeth hon tan 2024. | | | | | |
| ARWYDDWYD | DYDDIAD | | | | |
| SGÔR | | | | | |
| ENW'R SWYDDOG ADTRAC | DYDDIAD | | | | |

AD-7 YOUNG PERSON

Developed by Drs. Robert L. Spitzer, Janet B.W. Williams, Kurt Kroenke and colleagues, with an educational grant from Pfizer Inc. No permission required to reproduce, translate, display or distribute. VERSION CONTROL: ADTRAC GAD7 young person VD.2 100918 Translated into Wetsh by LLAS, Bangor University for the ADTRAC project (part funded through the European Social Fund through Wetsh Growerment} Cyfieithwyd I'r Gymraeg gan LLAIS, Prifysgol Bangor ar gyfer prosiect ADTRAC (ariannwyd yn rhannol trwy Gronfa Cymdeithesol Ewrop drwy Lywodraeth Cymr

The Welsh version of the GAD-7 for young people can be found on the <u>www.micym.org</u> website. It is free to download and use.



Conclusion

Since October 2018, the GAD-7 for young people has been available for service providers and researchers to use in Wales. This health measure will be of benefit in facilitating young people to express their mental health state in Welsh. The LLAIS linguistic validation work makes significant contribution towards establishing robust systems to ensure conduct and delivery of research of the highest quality that meet regulatory and governance requirements whilst advancing methodological approaches of international significance. To date, 44 outcome measures are listed on the <u>www.micym.org</u> website and around 40 of these have been linguistically validated by LLAIS, NWORTH Trials Unit.

| References |
|------------|
|------------|

ADTRAC. (2018). ADTRAC - Grŵp Llandrillo Menai. Retrieved 20 March 2018, from https://www.gllm.ac.uk/adtrac/ Neagle, L., Brown, M., Griffiths, J., Millar, D., Reckless, M., David, H., ... Morgan, J. (2018). Mind over Matter: A report on the step change needed in emotional and mental health support for children and young people in Wales. National Assembly for Wales. Retrieved from https://www.assembly.wales/laid documents/cr-ld11522/cr-ld11522-e.pdf

Spitzer, R. L., Kroenke, K., Williams, J. B. W., & Löwe, B. (2006). A Brief Measure for Assessing Generalized Anxiety Disorder: The GAD-7. Archives of Internal Medicine, 166(10), 1092–1097. http://doi.org/10.1001/archinte.166.10.1092

Wild D, Grove A, Martin M, Eremenco S, McElroy S, Verjee-Lorenz A and Erikson P (2005). Principles of good practice for the translation and cultural adaptation process for patient-reported outcomes (PRO) measures: Report of the ISPOR task force for translation and cultural adaptation. *Value in Health*, 8 (2), 94-104.

| If you have any queries, please contact: | | | | | | |
|--|----|--------------------------------|--|--|--|--|
| Beryl Cooledge | or | Dr Llinos Haf Spencer | | | | |
| LLAIS Director | | LLAIS Research Officer | | | | |
| Uned Dreialon NWORTH Trials Unit, Y Wern | | | | | | |
| Safle'r Normal Site, Prifysgol Bangor University | | | | | | |
| Bangor, Gwynedd, LL57 2PZ | | | | | | |
| Tel: 01248 383153 | | Tel: 01248 38 3171 | | | | |
| E-mail: B.cooledge@bangor.ac.uk | | E-mail: L.spencer@bangor.ac.uk | | | | |
| | | | | | | |