

Preliminary validation of the South Wales Social Wellbeing Scale (SWSWBS)

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1

Initial item pool (24 items)

Cluster	Statement (number)	Importance
1	Living in a safe home environment (117)	4.54
1	Living in a healthy home environment (118)	4.52
1	Mental health (58)	4.44
1	Living in a healthy environment outside my home (120)	4.44
2	Being close to my family (10)	4.23
2	Eating meals with family (15)	3.96
2	Meeting up with family and friends and doing things together, e.g. playing games, playing music, following sports, watching films (27)	3.92
2	Hugging friends and family (21)	3.80
3	Making time for others and supporting them emotionally - just listening when they need an ear, just being there for each other (24)	4.11
3	Face to face interaction (97)	4.00
3	Having a life where I can mix with people from all backgrounds (52)	3.78
3	Providing long-distance support for isolated friends and family (30)	3.78
4	Using local businesses - cafes, pubs, bookshops, record stores, DIY stores (56)	3.88
4	Interacting online with colleagues and people I come into contact with at work, e.g. online meetings with colleagues (100)	3.47
4	Becoming more of a community (49)	3.39
4	Interacting face to face with colleagues and people I come into contact with at work (112)	3.31
5	Being able to do worthwhile paid or unpaid work (122)	4.06
5	Covid-19, social distancing and lockdown (7)	4.00
5	The ability to use government services, e.g. health, community (121)	3.65
5	Being able to express beliefs and opinions which help other people make decisions (125)	3.50
6	Being financially secure (having enough income to meet my needs) (41)	4.33
6	Being able to make worthwhile plans for myself and my future (123)	4.08
6	Being able to put into practice worthwhile plans for myself and my future (124)	3.94
6	Security, e.g. in old age, of health, against social exclusion, against racism, against discrimination and harassment (69)	3.90

2

South Wales Social Wellbeing Scale (SWSWBS) (14 items)

No	Item
1	I've been living in a safe and healthy home environment
2	I've been able to enjoy a safe and healthy environment outside my home
3	I've been financially secure and so have had enough income to meet my needs
4	I've been doing worthwhile activities (paid/unpaid) when I've wanted
5	I've been able to carry out what I've set out to do when I've wanted
6	I've met up with family and friends and we have done things together when I've wanted
7	I've been free from harassment and discrimination
8	I've been able to use local services and facilities when I've needed
9	I've felt useful when I help and support other people
10	I've had my opinions taken seriously
11	I've interacted with others in person when I've wanted
12	I've interacted with others digitally, online and/or using a phone when I've wanted
13	I've been involved with community groups and/or activities when I've wanted
14	I've learnt about the world

3

Please tick the box/score that best describes your experience of each statement over the last two weeks.

- 5-point Likert scale**
- 1=none of the time
 - 2=rarely
 - 3=some of the time
 - 4=often
 - 5=all of the time

Sum of the scores: 14-70

4

SOUTH WALES SOCIAL WELL-BEING SCALE (SWSWBS)

Below are some statements about your 'social world' and what you have been able to do for yourself and have been able to do with or for others. Please tick the box that best describes your experience of each over the last two weeks.

	None of the time	Rarely	Some of the time	Often	All of the time
I've been living in a safe and healthy home environment	1	2	3	4	5
I've been able to enjoy a safe and healthy environment outside my home	1	2	3	4	5
I've been financially secure and so have had enough income to meet my needs	1	2	3	4	5
I've been doing worthwhile activities (paid/unpaid) when I've wanted	1	2	3	4	5
I've been able to carry out what I've set out to do when I've wanted	1	2	3	4	5
I've met up with family and friends and we have done things together when I've wanted	1	2	3	4	5
I've been free from harassment and discrimination	1	2	3	4	5
I've been able to use local services and facilities when I've needed	1	2	3	4	5
I've felt useful when I help and support other people	1	2	3	4	5
I've had my opinions taken seriously	1	2	3	4	5
I've interacted with others in person when I've wanted	1	2	3	4	5
I've interacted with others digitally, online and/or using a phone when I've wanted	1	2	3	4	5
I've been involved with community groups and/or activities when I've wanted	1	2	3	4	5
I've learnt about the world	1	2	3	4	5

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5

Preliminary validation

- Participants and recruitment
- Measures used for validation
- Validity testing
- Reliability testing
- Variability testing

Yu J, Ganesh S, Smith SR, Wallace C (2024) Development and preliminary validation of the South Wales Social Well-being Scale (SWSWBS). *BMC Public Health*, **24**, 2510. 24, 2510. <https://doi.org/10.1186/s12889-024-20015-9>

6

Participants and recruitment

- Nov-Dec 2021
- A convenience sample
- Students and staff in health and social care disciplines in the University of South Wales
- A link to the study website ('Online Surveys' platform) was sent to eligible participants
- N=103

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7

7

Measures used for validation

1. South Wales Social Wellbeing Scale (SWSWBS)
(14 items; 5-point Likert scale; 14-70)
2. Warwick Edinburgh Mental Wellbeing Scale (WEMWBS)
(14 items; 5-point Likert scale; 14-70)
3. Four Measures of Personal Wellbeing Scale (ONS 4)
(4 questions; a scale of 0-10)

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8

8

Validity testing: Construct validity

1. Exploratory factor analysis
2. Convergent validity (WEMWBS; ONS 4)

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9

9

Construct validity (1): Exploratory factor analysis

No	Item	Factor 1	Factor 2	Factor 3
7	I've been free from harassment and discrimination	0.762		
12	I've interacted with others digitally, online and/or using a phone when I've wanted	0.731		
1	I've been living in a safe and healthy home environment	0.624		
10	I've had my opinions taken seriously	0.581		
11	I've interacted with others in person when I've wanted	0.535		
8	I've been able to use local services and facilities when I've needed	0.508		
14	I've learnt about the world		0.669	
9	I've felt useful when I help and support other people		0.625	
13	I've been involved with community groups and/or activities when I've wanted		0.561	
5	I've been able to carry out what I've set out to do when I've wanted		0.525	
2	I've been able to enjoy a safe and healthy environment outside my home			0.756
4	I've been doing worthwhile activities (paid/unpaid) when I've wanted			0.742
3	I've been financially secure and so have had enough income to meet my needs			0.662
6	I've met up with family and friends and we have done things together when I've wanted			0.574

Factor 1: Safe and inclusive interaction with others (6 items)

Factor 2: Learning, helping, and feeling useful (4 items)

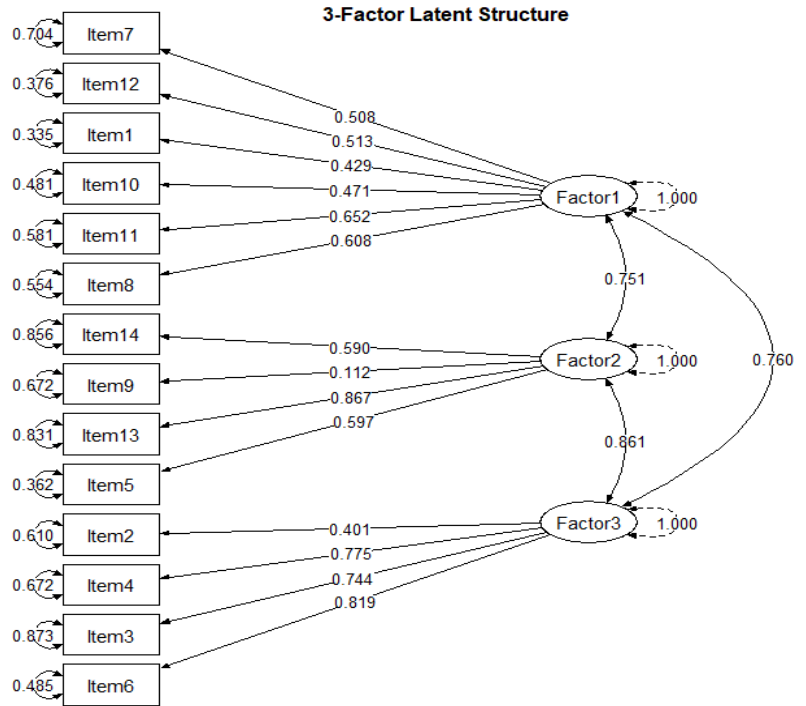
Factor 3: Security, worthwhile activities, family and friends (4 items)

10

10

Suggested 3-factor model

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11

Construct validity (2): Convergent validity

1. Between SWSWBS and WEMWBS

- between the sum scores ($t = 11.287$, $df = 102$, $p < 0.001$; $r = 0.67$; $F(1, 101) = 82.31$, $p < 0.001$),

2. Between SWSWBS and ONS 4

- between items ($r = -0.12$ to 0.47)

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12

12

Reliability (internal consistency)

1. Cronbach's alpha coefficient: 0.85 (0.83-0.86)
2. Item-total correlation coefficients: 0.08-0.65
3. Split-half correlation coefficient: 0.78; $t = -3.475$, $df = 102$, $p < 0.001$

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13

13

Variability: Floor and ceiling effects

1. Sum scores: absence of floor or ceiling effects
2. Individual items: absence of floor effect; but a large ceiling effect

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14

14

Conclusion

1. Based on our preliminary testing, the SWSWBS scale has satisfactory psychometric properties.
2. Future research is needed to confirm its psychometric properties among different populations using a larger representative sample and explore how it can be used alongside the WEMWBS scale to capture what we regard as a thoroughly holistic understanding of wellbeing.

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15

15

Thank you

Any questions?

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16

16