

# 2023 RTI Conference Handouts

# Sunday 29th Oct

# <u>Session 1</u> - The Development and use of the WARs by Dr Robyn Wheldall & Dr Nicola Bell

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 Learning Difficulties Australia

 Learning Difficulties Australia is an association of teachers and other professionals dedicated to assisting students with learning difficulties through effective teaching practices based on scientific research.

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#### Robyn Wheldall

BA, PhD (Special Education), MAICD Director & Co-founder, MultiLit Pty Ltd Deputy Director, MultiLit Research Unit Honorary Research Fellow, Macquarie University

worked in the areas of learning difficulties, special educatio behaviour management and literacy instruction and intervention for struction reades for more than 30 years.



#### Alison Madelaine

It appears a mining in calce deplace can the liston is Senior Research fellow with the Multill Research Unit and initiad Director of Multill Literacy Centres. Alson has extensive moviedge of reading development, instruction and assement. She movied the directore on curricultumbaster measurement of cading and was a lecture in special education with a facua on and was a lecture in special education with a facua on to reade the directore of the directore and the sectore.





ofessor of Macquarie University and is Chairma fiLit Pty Ltd. He is the Director of the MultiL

Kevin Wheldall AM



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#### **Disclosure statement**

Dr Robyn Wheldall and Emeritus Prof Kevin Wheldall are directors of MultiLit Pty Ltd and have a financial interest in it. Dr Nicola Bell, Dr Alison Madelaine and Dr Siobhan Merlo are paid employees of MultiLit Pty Ltd. MultiLit is a commercial organisation that publishes literacy-related instructional programs and assessments.



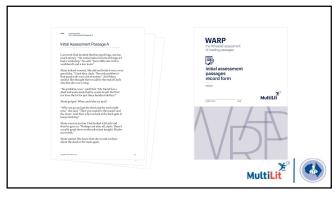


#### The development and use of the WARs

- i.e., the Wheldall Assessment of Reading Passages (WARP), the Wheldall Assessment of Reading Lists (WARL), and the Wheldall Assessment of Reading Nonwords (WARN)
- For each measure, we will discuss:
  - Process of development
  - Theoretical/research rationale Psychometric qualities
  - Recommendations for use

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### WARP: Later years of development

- Research conducted to establish:
   3x most similar Initial Assessment (IA) passages, as differentiated from 10x Progress Monitoring (PM) passages (Whelda K Modelane, 2004) Benchmarks/norms for Years 2-6 (IA passages)
   Madelaine & Wheldall 2002a 2002b)
  - Ceiling effect around Year 5
     Madelaine & Wheldall 2002a

  - (Madelaine & Wheldall, 2002a) Reliability (alternate forms) of IA passages (Madelaine & Wheldall, 2002b; Wheldall & Madelaine, 2006) Criterion validity of IA passages (Madelaine & Wheldall, 2002b, 2005a)

  - (Nadelaine & Wheldal, 2005; 2005a) Relicobility (alternate forms) of PM passages (Nadelaine & Wheldal, 2006) Interpolated norms for time points between testing (Wheldal & Nadelaine, 2013)

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#### WARP: Most recent research

- Used as outcome measure of oral reading fluency InitiaLit-2 (MultiLit Research Unit, 2021)
  - Open- vs. enclosed-plan classrooms (Rance et al., 2023)
- Updated validity analyses based on data aggregated since publication



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#### WARL: Development

- Stimuli sourced from database of words in books for 5-7y/o children
- Research conducted to establish:

  - Consequence of the stabilist.
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  - Relicability (alternate for receive 1-2 (IAIIs Relicability (alternate for receive 1-2 (IAIIs Criterion validity of IAI lists Relicability (alternate forms) of PM lists Relicability (alternate forms) of PM lists (Revoid et al. 2005 (maintabil) (Criterion validity of PM lists (Revoid et al. 2005 (maintabil)

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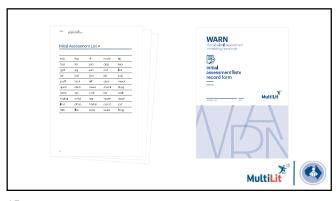
### WARL: Most recent research

- Used to measure progress following instruction or
- intervention • InitiaLit-F/InitiaLit-1
- MiniLit Sage
   (MultiLit Research Unit, 2021)
- Predictor of Phonics Screening Check results
- Updated validity analyses based on data aggregated since publication
- Interpolated benchmarks for Terms 2 and 4

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## **WARN: Development**

- Stimuli constructed using phoneme-grapheme correspondences taught in InitiaLit-F
   Proof-of-concept trial (2016) to establish: 30 sec duration (vs. 60 sec)
   50-nonword lists
- S0-nonword lists
   Research conducted to establish:
   I3x most similar lists (of 15x) that were divided into 3x Initial Assessment
   (IA) lists and 10x Progress Monitoring (PM) lists
   Wreddated to data]
   Benchmarks/norms for Years F-1 (IA lists)
   Wreddated act, 2021 (2012 Bloading)
   Reliability (alternate forms) of IA and PM lists
   Wreddated at 2012 (2012 Bloading)
   Criterion validity of IA and PM lists
   (Wreddated at 2012 (2012 Bloading)
   Criterion validity of IA and PM lists
   (Wreddated at 2012 (2012 Bloading)
   Wreddated at 2012 (2012 Bloading)
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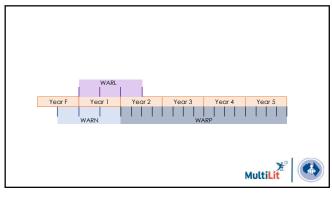
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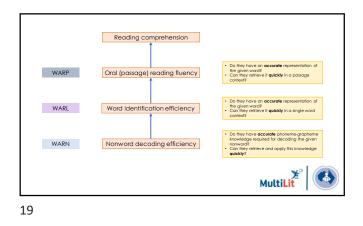
## Rationale for developing the WARs

- All intended as curriculum-based measures (CBMs) of reading
  - CBMs = assessments based on curriculum requirements
  - Reading CBMs represent the **general** reading curriculum (rather than relating to specific texts
- Each WAR designed to reflect curriculum requirements of certain year level ranges

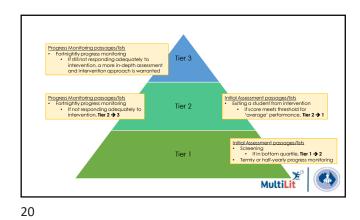


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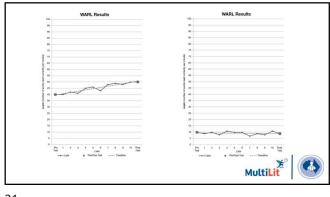


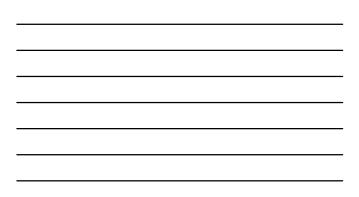












# Strengths of the WARs

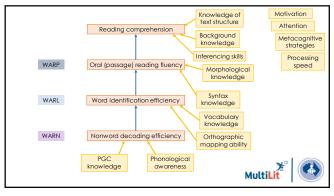
- Has multiple uses
- Quick and easy to administer
- Sensitive to small changes in progress
- Allow for progress monitoring (i.e., parallel forms)
- Good reliability and validity



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WARP .97°				WARN	
.9/4		.905		.94°	
Validity					
WARP			WARN		
WARL	<mark>.91</mark> e	TOWRE Sight Words	.92 <sup>b</sup>	Martin & Pratt (NW reading)	.87⊂
NARA (passage) accuracy	.86 <sup>d</sup>	WARP	.91e	WARL	.86°
Burt (sight word accuracy)	.83 <sup>d</sup>	Burt (sight word accuracy)	.87e		
SAST (spelling)	.77d	WARN	.86°	Madelahe & Wheldall (2002b)	
Martin & Pratt (NW reading)	.59 <sup>d</sup>	SAST (spelling)	.83e	"Reynolds et al. (2009) "Whatdail et al. (2021) "Whatdail et al. (nepparation) "Reynolds et al. (2011)	
NARA Reading Comp	.55 <sup>d</sup>	SPAT-R (PA)	.69e		
PPVT (vocabulary)	.33 <sup>d</sup>	TOWRE Phonemic Decoding	.76 <sup>b</sup>		
		Martin & Pratt (NW reading)	.75e	~	
		PPVT (vocabulary)	.42e	MultiLit	

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### Thank you for listening!

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