

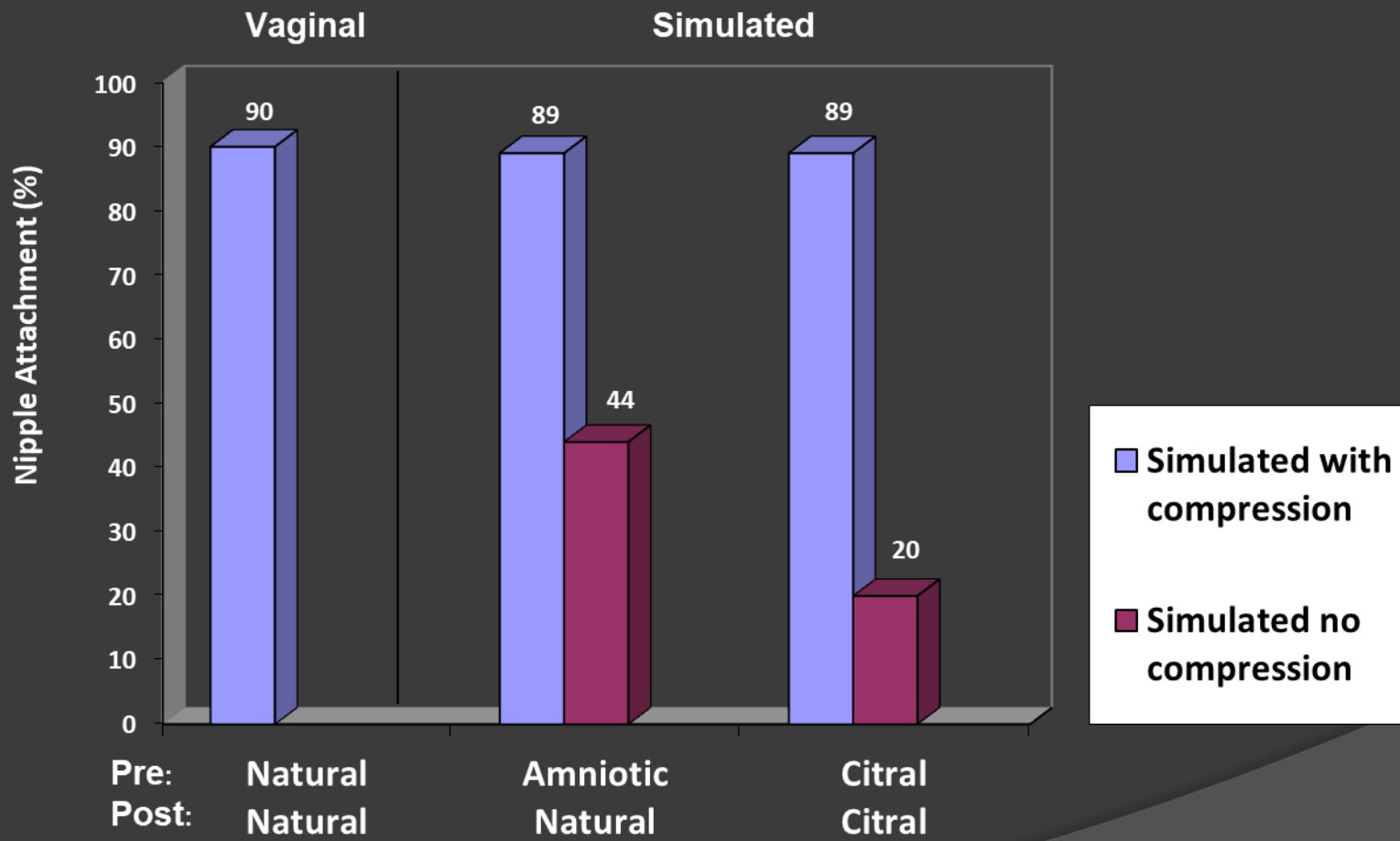
SENSORY OVERRESPONSIVITY IN CHILDREN OF 3-5 YEARS: A DESCRIPTIVE, ANALYTICAL STUDY

World Federation of Occupational Therapists
Congress May 2018



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Percentage of pups attaching to a dam's nipple (Alberts & Ronca, 2012)



RESEARCH QUESTION

Is sensory overresponsivity in children aged 3 – 5 years associated with birth mode of delivery, and if so, what is the strength of the association?



HIGH

2 Km



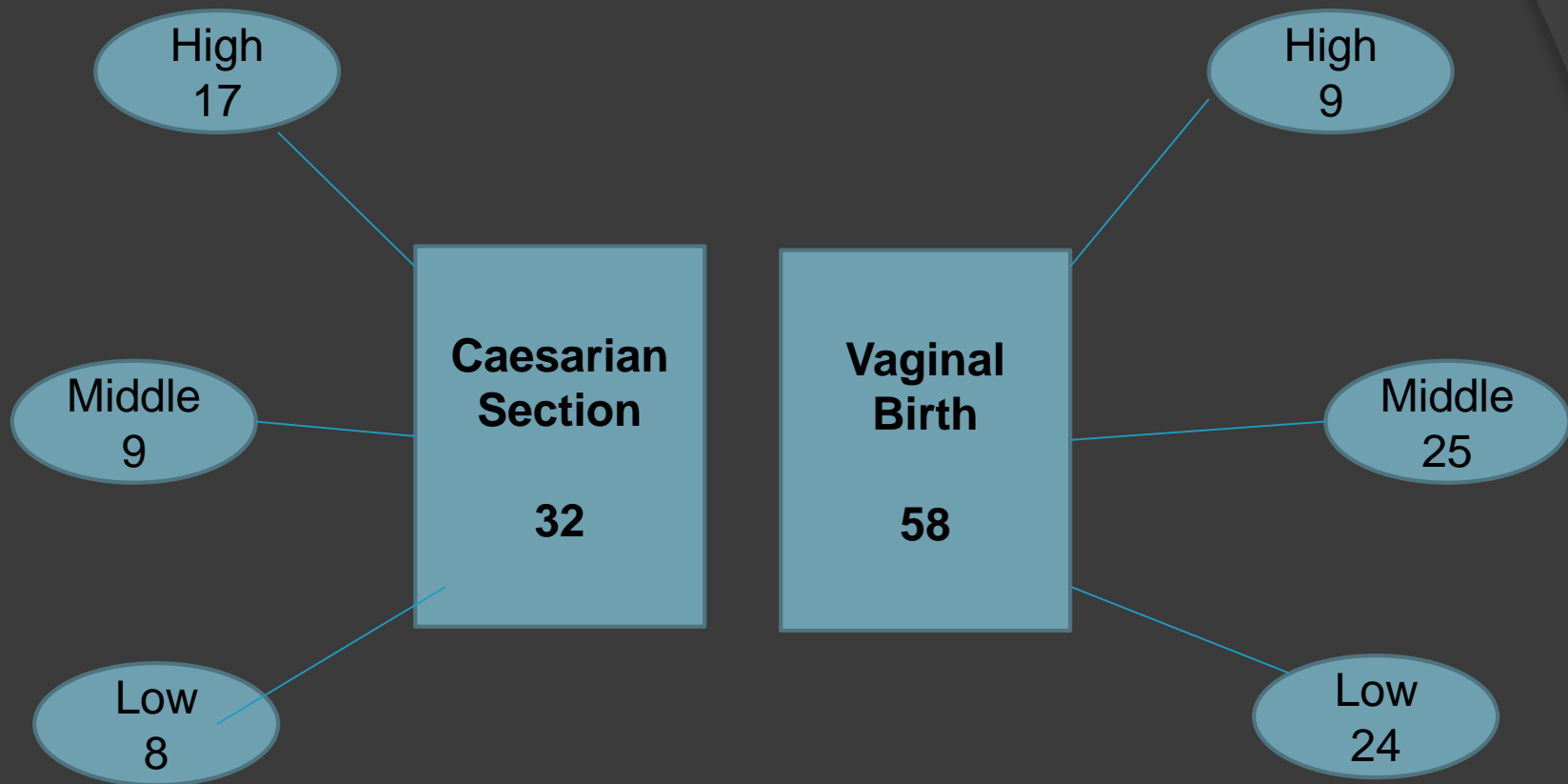
MIDDLE

2 Km



LOW

4 Km



PUBLIC	PRIVATE

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70.6% of population	27.9% of population

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CS rate 22.7%	CS rate 67.5%
(Barron et al, 2015)	(Council for Medical Schemes, 2016)


DATA COLLECTION TOOLS

1. Demographic questionnaire

DEMOGRAPHIC INFORMATION	NO.
MOTHER	
How old were you when your child was born?	_____ years
Married/living together/divorced/single/widow	_____
Highest education level	_____
Pregnancy history	
Severe stress	_____
Serious illness	_____
Smoking (how many per day?)	_____
Medication (specify)	_____
Alcohol use (how much?)	_____
Recreational drugs (describe)	_____
High blood pressure	_____
Family history of sensitivity to touch, sound, movement, light	_____
CHILD	
Birth order (1 st , 2 nd child, etc)	_____

DATA COLLECTION TOOLS

2. Short
Sensory
Profile 2nd ed.
Dunn 2014



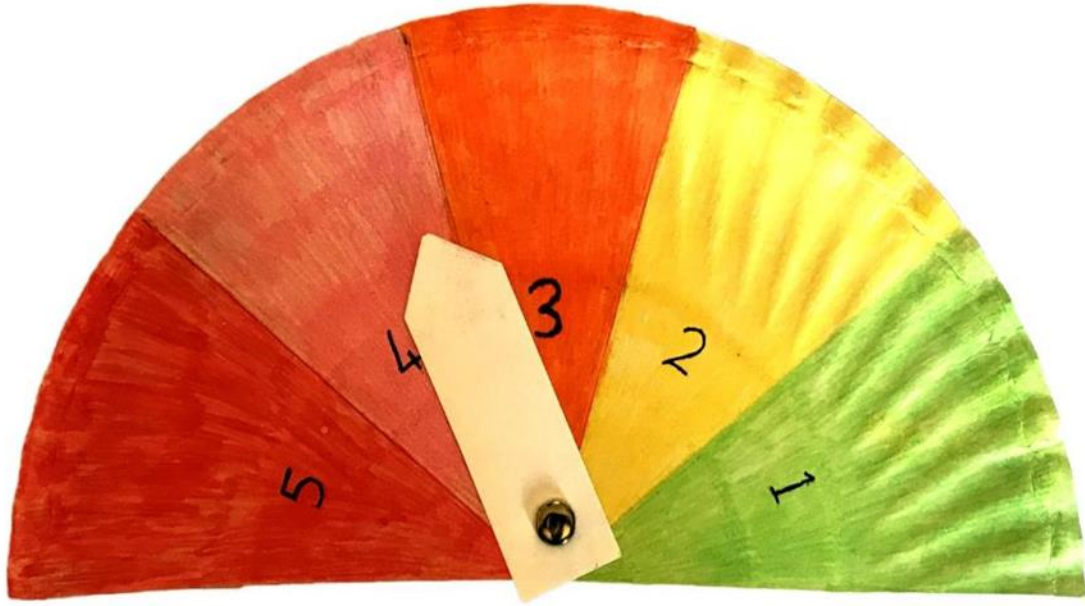
SHORT SENSORY PROFILE™ 2

Winnie Dunn, PhD, OTR, FAOTA

Caregiver Questionnaire 3:0 to 14:11 years

FOR OFFICE USE ONLY			
Calculation of Child's Age			
	Year	Month	Day
Test Date	<input type="text"/>	<input type="text"/>	<input type="text"/>
Birth Date	<input type="text"/>	<input type="text"/>	<input type="text"/>
Age	<input type="text"/>	<input type="text"/>	<input type="text"/>

Child's First Name: _____ Child's Middle Name: _____
Child's Last Name: _____ ID Number: _____
Child's Preferred Name (if different from above): _____
Gender: Male Female Birth Date: ____ / ____ / ____ Test Date: ____ / ____ / ____
Examiner/Service Provider's Name: _____
Examiner/Service Provider's Profession: _____
Completed by/Caregiver's Name: _____
Caregiver's Relationship to Child: _____
Name of School/Daycare Center: _____





HAPPY



SCARED



WORRIED



IRRITATED



SURPRISED



SAD



CONFUSED



ANGRY



EXCITED

CONFUSED

ANGRY

EXCITED

RESULTS

Variables	VB (n=58)	CS (n=34)
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Socio-economic	Low	24 (26%)	8 (9%)
	Middle	25 (27%)	9 (10%)
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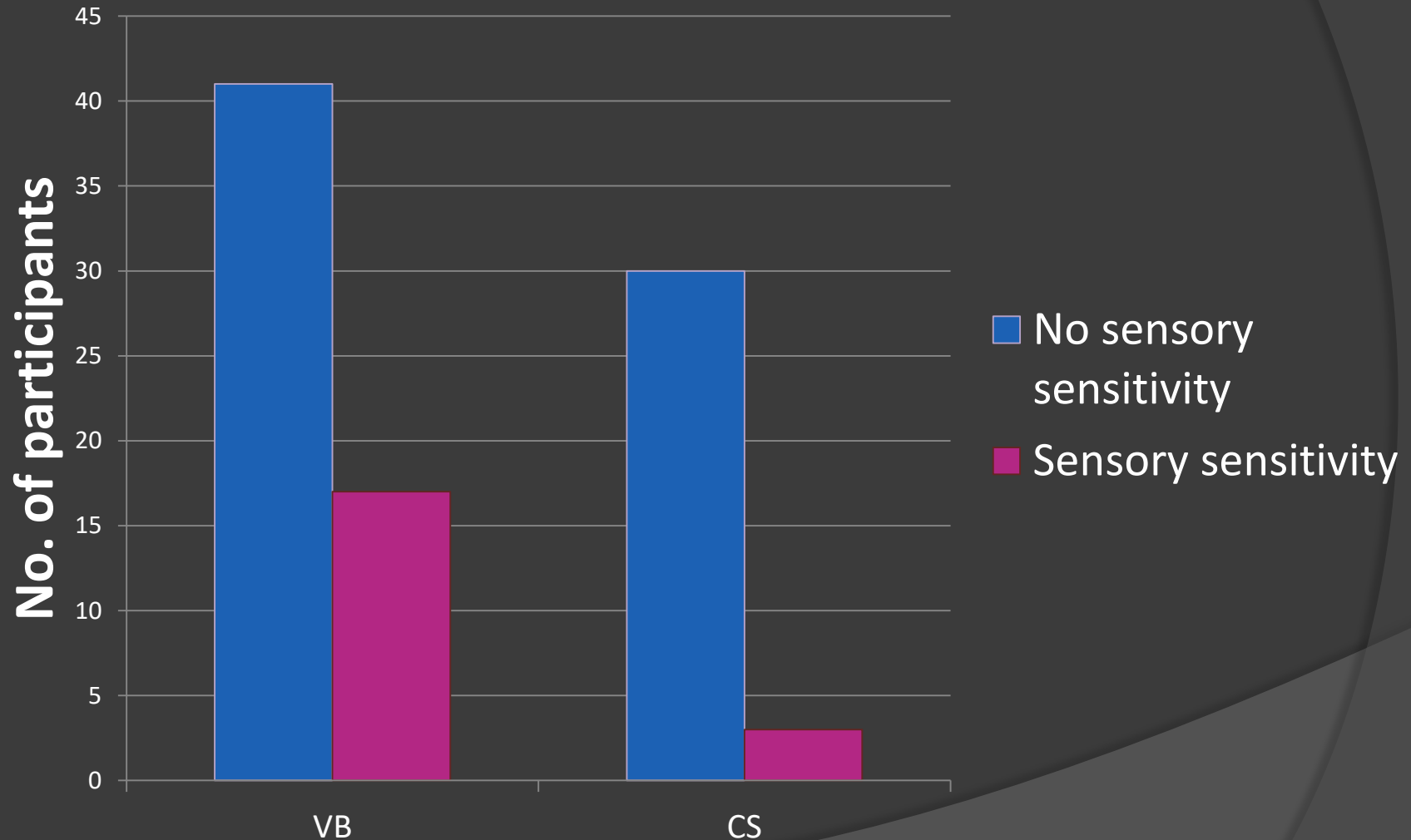
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Marital Status	Single	21 (23%)	7 (8%)
	Co-Habiting	12 (13%)	3 (3%)
	Married	24 (26%)	22 (24%)

What is the prevalence of SOR according to birth method?



GOING FORWARD.....

- Results analysed further
- Sensory modulation questionnaire needs to be developed for SA
- VB is associated with low socio-economic status, poor education, poor nutrition, lack of stimulation, which could all be impacting on SOR
- How does sensory modulation develop in low socio-economic areas?



Acknowledgements:
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