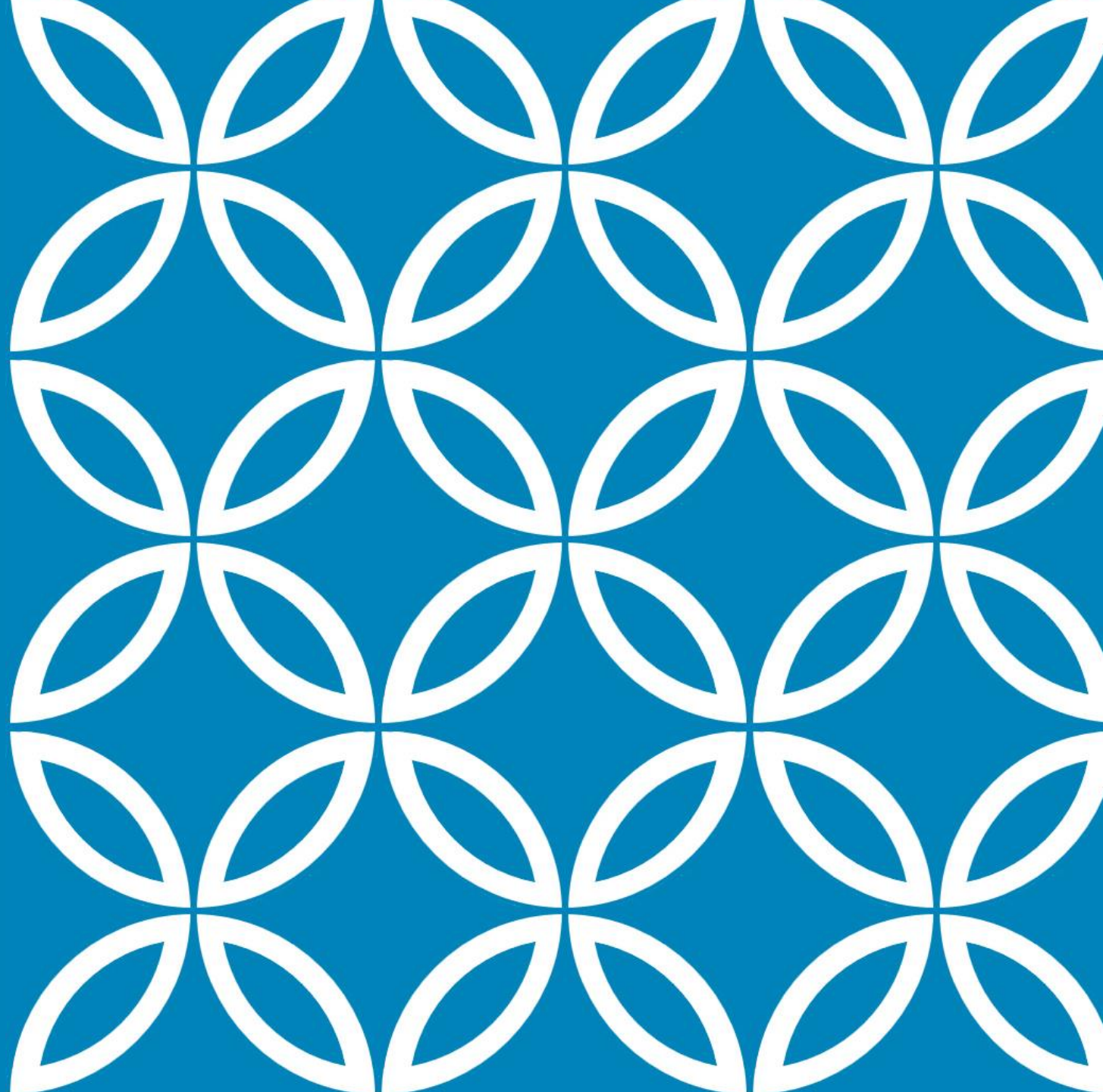


CHILD CARRE TOOL

CARRE(Comprehensive Assessment of Risk,
Resilience and Experience)
Research Finding



CONFLICT OF INTEREST

we don't have any monetary interest by presenting this paper

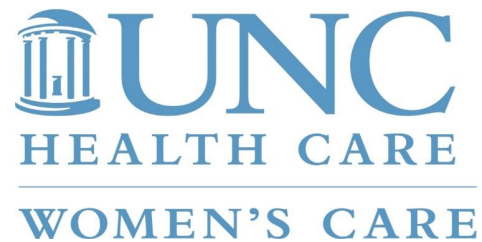


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BACKGROUND

150 million children worldwide live in street circumstances

Lifetime prevalence of psychoactive substance use among children in street circumstances is 60% worldwide

A systematic* review estimated that of children in street circumstances report use of 47% inhalants, 44% tobacco, 41% alcohol, 31% marijuana, and 7% cocaine

A comprehensive measure of child substance use and its corollaries is needed for systematic assessment of a child

This study aimed to develop the first such measure.

*

(Embelton, Addiction 108, 1722-1733, 2013)



METHOD

This study aimed to develop and systematically evaluate a broadband, multidimensional instrument for children 7-12 years of age

The CHILD CARRE measure is a semi-structured interview designed to be administered by trained and skilled personnel

The CHILD CARRE instrument has seven domains: Physical Health Status, School and Support Status, Drug/Alcohol Use, Legal Status, Family/Social Relationships, Psychiatric Status, and Typical Day Activities.

Table-1 Demographic information from sample N=135 collected 1-2018 – 2-2019

	n	%
Children from UNC-Chapel Hill	20	14
Children from Convivir Argentina	65	48
Children from Manos Argentina	50	37
Girls	72	54
Boys	62	46
Age (n=106), mean (SD)	9.1	1.7

RESULT: PHYSICAL HEALTH STATUS

- This is the first domain of the instrument and has nine questions
- Almost 33% of the children were taking medications for medical issues
- 39% of them said that medical problem get in the way of doing things they like to to do
- More than half of the children stated that they would like to feel better.

Questions	mean	SD
Do you take any medication for a medical issue? (1=Yes, 0=No)	0.33	0.47
How much do your medical problems get in the way with doing things you like to do? (scale 0-4)	1.03	1.14
How much would you like to feel better? (Scale 0-4, 0=not at all, 4=extremely)	1.64	1.55

RESULT: SCHOOL AND SOCIAL SUPPORT STATUS

School and Support Status		
Question	mean	SD
What is the last grade you completed in school?	3.41	1.58
Do you know how to read? (1=Yes, 0=No)	0.56	0.50
Do you know how to use a computer? (1=Yes, 0=No)	0.79	0.41

This is second domain and has 16 questions

On average children completed 4th grade in school

76% of them knew how to read and 78% knew how to use a computer.

26% of the children started making money at age 8 through working for family (51%)

working on the street (31%) and begging (29%).

RESULT: DRUG/ALCOHOL STATUS

This is the 3rd domain of the instrument and has 19 questions

74% of the subject seen someone drunk or high by smoking

23% ever tried alcohol or drugs

Most common types of drug use reported were Alcohol, Cannabis and Inhalants

67% report that they use drug with their friends

58% were in need of treatment according to the interviewers rating.

Drug/Alcohol Use Status

Question	mean	SD
Have you ever seen someone drunk or high by smoking? (1=Yes, 0=No)	0.74	0.44
Have you ever seen someone use a needle to administer any of these drugs to herself/himself? (1=Yes, 0=No)	0.11	0.32
Have you ever tried alcohol or drugs? (1=Yes, 0=No)	0.24	0.43

RESULT: LEGAL STATUS

This is the 4th domain and has four questions

11% of children have had conflict with law

While 46% of their family members have had conflict with law

19% of the children were taken away from family by police or government

Legal Status

Question	mean	SD
Have you had any conflict with police or law? (1=Yes, 0=No)	0.10	0.31
Have people in your family had problems with the law? (1=Yes, 0=No)	0.47	0.50
Have you ever been taken away from your family by police or the government? (1=Yes, 0=No)	0.19	0.39

RESULT: FAMILY/SOCIAL RELATIONSHIPS STATUS

Family/Social Relationships		
Question	mean	SD
Have you had times when you have experienced serious problems getting along with (1=Yes, 0=No)		
Mother	0.29	0.46
Father	0.23	0.42
Brother/Sister	0.24	0.42
Other family member	0.19	0.39
Friends	0.21	0.41
Neighbors	0.14	0.35
Teachers	0.10	0.30
Mentor	0.03	0.17

This is the 5th domain of the instrument and has 24 questions

30% of children reported having serious problem getting along with family members, neighbors or friends

Mother: a third (32%) of children report that their mother uses alcohol, 26% gets high on drugs and 56% report that their mother smokes cigarettes

Fathers: children reported that 42% use alcohol, 23% get high on drugs and 49% smoke cigarettes

Siblings: 24% use alcohol, 14% get high on drugs, and 27% smoke cigarettes

Violence was a common theme in the lives of the children. Among the children 40% reported their mother, 37% reported their father, 26% reported their brother/sister, 30% reported their aunt/uncle and 21% reported their grandmother/grandfather were violent.

RESULT: PSYCHIATRIC STATUS

This is the 6th domain of the instrument and has 10 questions

According to the interviewers' ratings, 61% of the respondents needed treatment while 8% reported taking medication for psychiatric issues.

Most of the children felt very sad and had sense of hopelessness from few times to many times (mean 2.14, SD 1.18) and also felt very tense, upright and unreasonably worried from few times to many times (mean 2.15 SD 1.19), trouble in understanding, concentrating or remembering were from few times to many times (mean 1.82 SD 1.16) which means that symptoms of depression and anxiety were common in the sample

Psychiatric Status		
Psychiatric Status [(0-4 (Never, Once, A few times, Many times))]	mean	SDs
Felt very sad, and had a sense of hopelessness?	2.14	1.18
Felt very tense, uptight and unreasonably worried?	2.15	1.19
Saw things or heard voices that others did not see or hear?	1.19	0.51
Had trouble understanding, concentrating or remembering?	1.82	1.16
Cut self in some way?	1.38	0.87
Harmed self in some way?	1.27	0.72
Thought seriously about suicide?	1.14	0.42

RESULT: TYPICAL DAY ACTIVITIES LIKE TO DO

Typical Day Activities You Like To DO					
Activity	f	%	Activity	f	%
Watch movie	38	28.7	Boxing	21	15.9
Go to movies	36	27.2	Martial arts	21	15.9
Swim	34	25.7	Exercise	20	15.1
Cook	32	24.2	Read	20	15.1
Eat out	26	19.7	Creative art	17	12.8
Computer	24	18.2	Magic	17	12.9
Play sports	23	17.4	Singing	16	12.1
Play outside	23	17.4	Physical activity	15	11.4
Acting	23	17.4	Camping	15	11.4
Crafts	22	16.7	Using clay	14	10.6

This the 7th and last domain of the instruments

The top five activities children like to do were

watching TV (49%)

Painting (47%)

Listening to music (47%)

Playing outside (42%)

Swimming (39%).

DISCUSSION

- The CHILD CARRE assesses a population that the adult and teen Addiction Severity Index does not
- Our finding suggests that the CHILD CARRE tool can determine problems in different domains of a child's life including problems as well as resilience in health status, school and social support status, drug/alcohol use, legal status, family/social relationships, psychiatric status and typical day activities
- The CHILD CARRE instrument need further testing to establish domain scores and its reliability
- We need to examine the extent to which CHILD CARRE score changes before and after an intervention





The result of CHILD CARRE instrument is promising and provides the first comprehensive tool to assess multiple life domains for children at risk for or using substances.



THANK YOU |