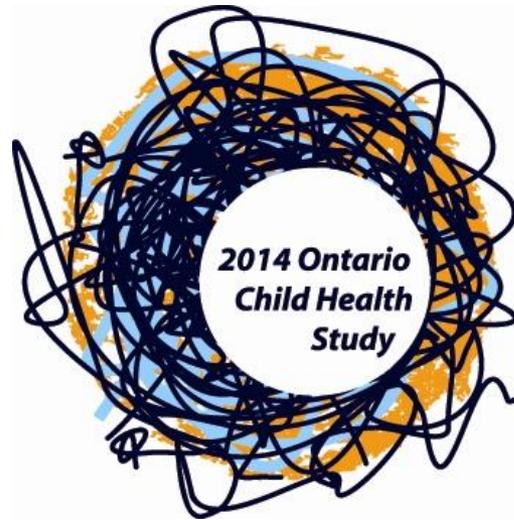


The 2014 Ontario Child Health Study



Li Wang

Showcase McMaster Research Data Center, May 22, 2019



2014 OCHS sample



- Children and youth ages 4 to 17
- Parent/PMK and spouse/partner
- Siblings (up to 3)
- Elementary teachers(SMHS)
- Administrative data (Ministries of Education).



Design - Stratification

3. Families in each area stratified by income

	LOW	MED	HIGH
LOW			
MED			
HIGH			

1. Province divided into areas & stratified by income

2. Equal number of areas selected from each strata

4. Equal number of families selected from each strata

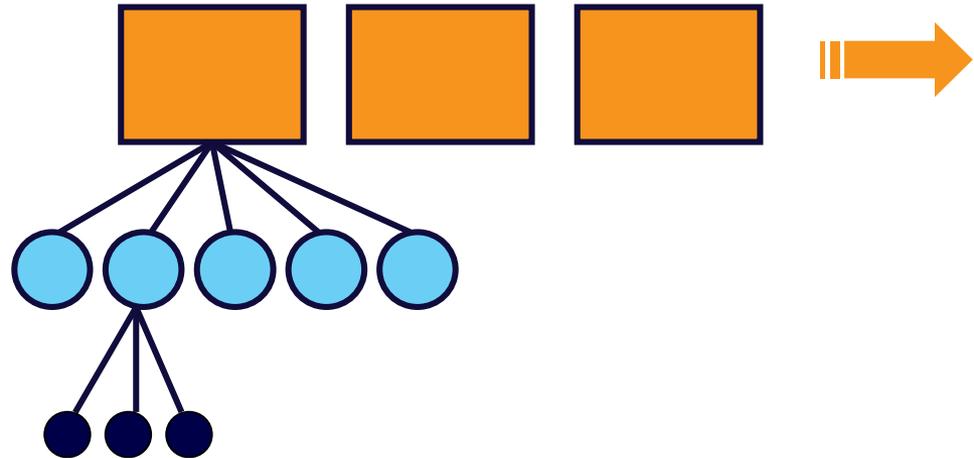


Design - Clustering

180 Areas

40 Families

1 to 4 Children



Weights: super element weights, household weights & child weights

child weights: WSEL (selected child) & WSIB(selected child and siblings)



2014 OCHS concepts

PMK	Child	Spouse	Teacher	Administrative Data
Substance Use	Health	Health	Services	EDU
Mental Health	Functioning	Functioning	Students	
Neighbourhood	Risky behaviour	Parenting	Years of experience	
Housing	Family	Health	ELL	
SES	School	Substance Use	Achievement	
Birth history	Relationships		Mental health	
Health	Parenting		Special needs	
Functioning	Activities			
Parenting				
Service Use				
Activities				
School				

ORANGE = About self

BLUE = About child

GREEN = Individual level administrative data



***School
Mental Health
Surveys***

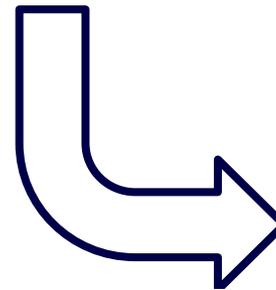
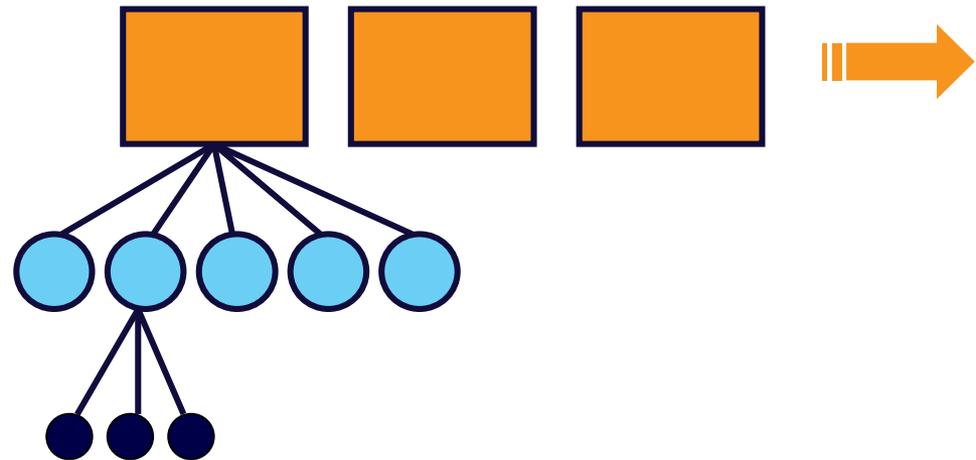


Study design

180 Areas

40 Families

1 to 4 Children



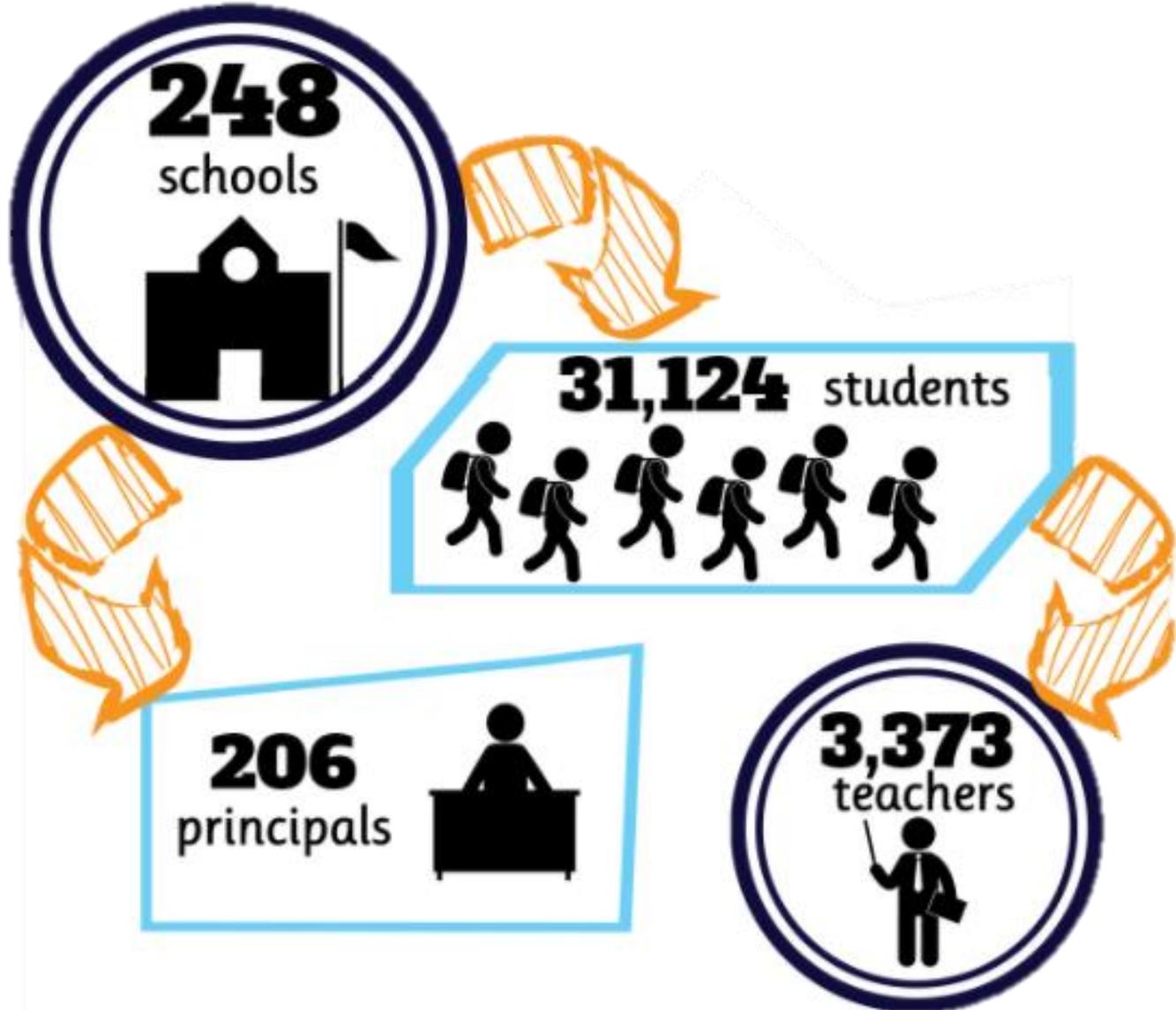
248 Schools



*School
Mental Health
Surveys*



SMHS sample





SMHS concepts

Teacher: Programming, student achievement, attendance, work habits, emotional-behavioural functioning, perceived student MH need, teacher training and professional development, MH literacy; MH pedagogy; MH barriers; stigma

Student: School climate, teacher support, peer interactions, clarity and consistency of school rules, respect for diversity, use of SEL techniques, emotional-behavioural functioning, bullying, victimization

Principals: Staff trained to address MH needs, MH promotion & intervention programs, MH staff resources, identification and treatment of MH, links with community agencies

the Canadian Journal of Psychiatry Special Issue on the 2014 OCHS

Prevalence of child mental disorder...

The 1983 study found 1 in 5 children have a mental health problem. Has this number changed in the past 30 years?



...and prevalence among children with different health conditions

What sort of disorder rates are there in children with functional health conditions, medical conditions, or neither?

Mental health service usage



Responsiveness of the health care system to child and youth mental health need.

Socioeconomic status gradients in child mental health

How does being above or below the poverty line influence the rate of mental health disorders?



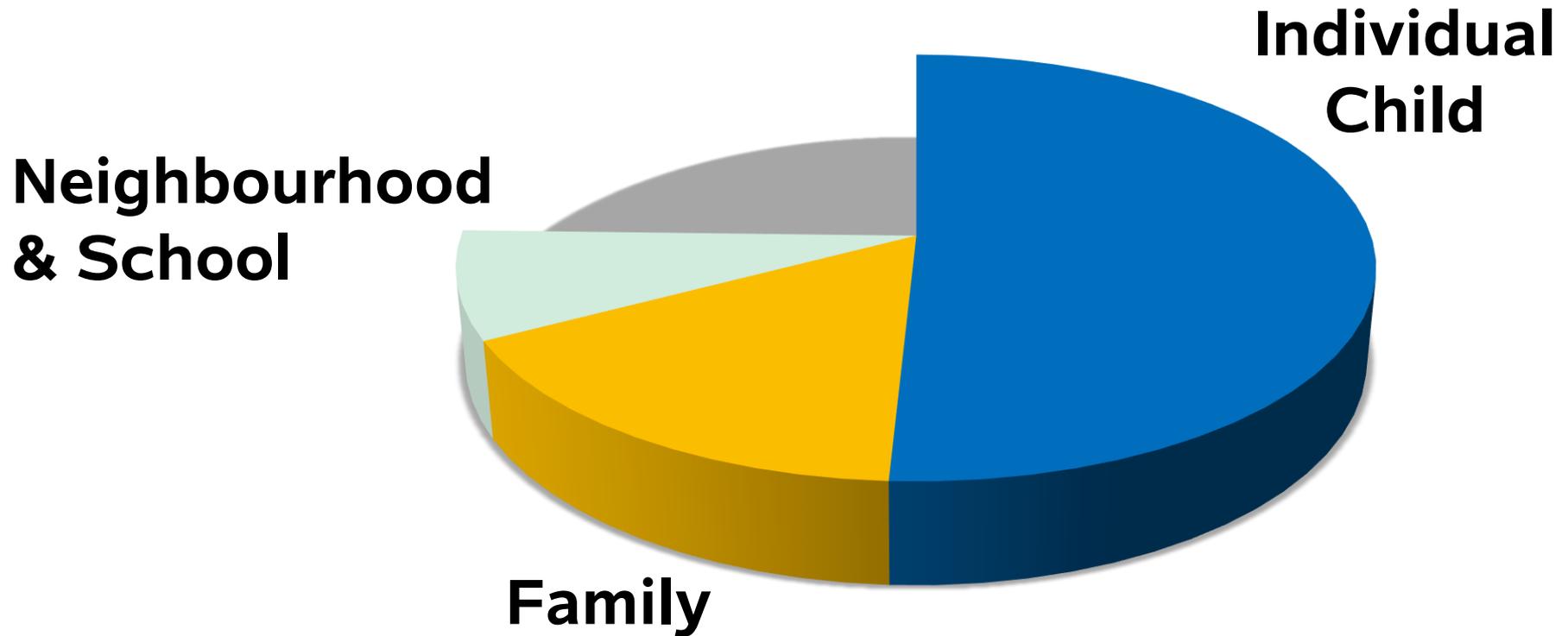
Contextual influences

Influence of neighbourhoods, families, and schools on child mental health.





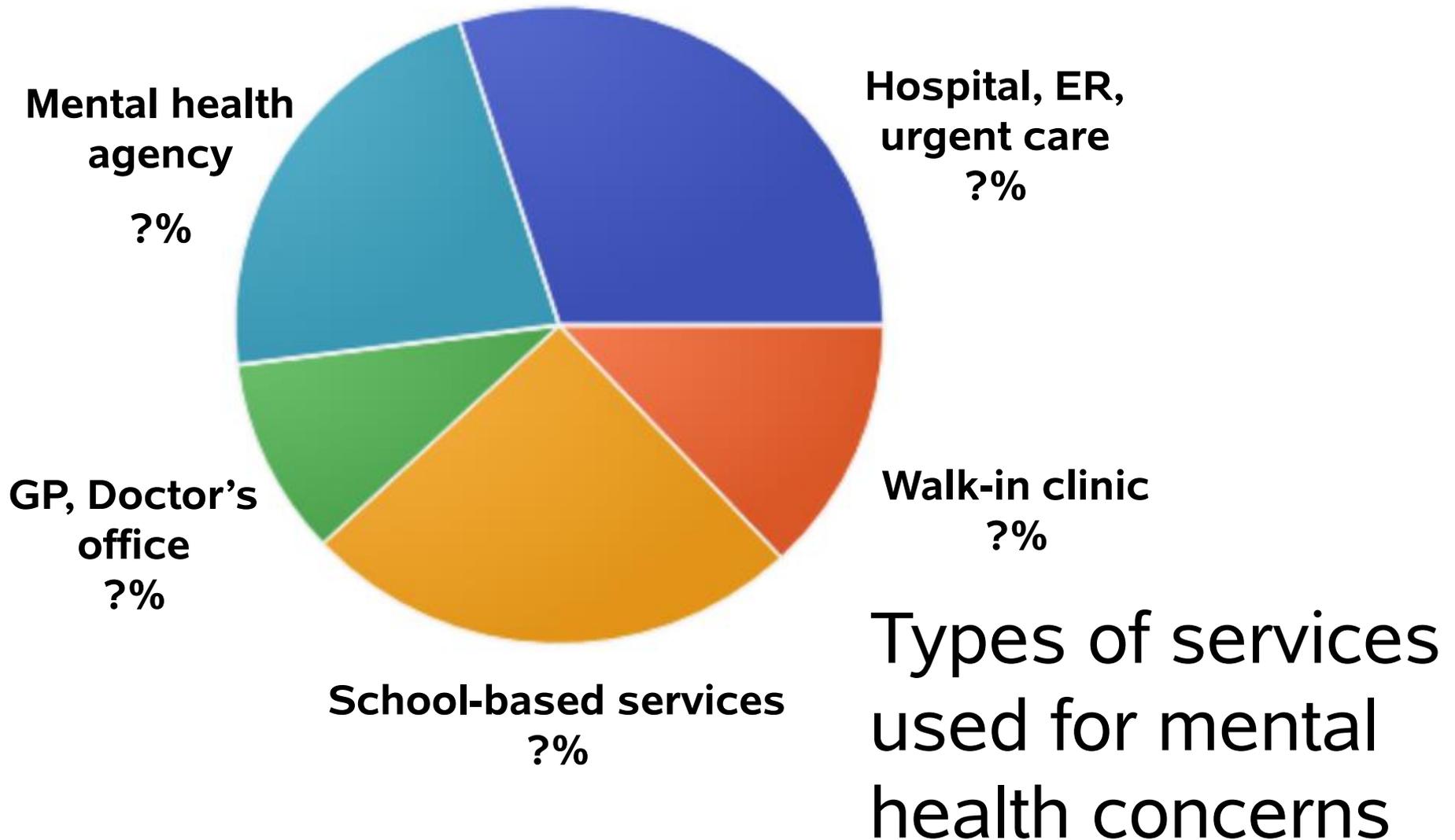
Analytic



Multilevel/hierarchical regression models
Single model: Bootstrapping



Health services



Q & A
/
Discussion



*Étude sur
la santé des jeunes
Ontariens 2014*

Online at: ontariochildhealthstudy.ca