



Analyse des politiques publiques à impact sur l'enfant (APPIE)

Le bien-être de l'enfant, un responsabilité collective

Linda Cambon, CHU Bordeaux















Une période critique

Formation des synapses dépend des premières expériences (Les 3 1ères : 25% à 80% de la taille adulte).

=> La plasticité cérébrale

Sous influence environnementale

Retards cognitifs, sociaux et comportementaux à long terme

S'enracine biologiquement : différences de santé et de mortalité entre groupes socio-économiques.

Fragilité et vulnérabilité...

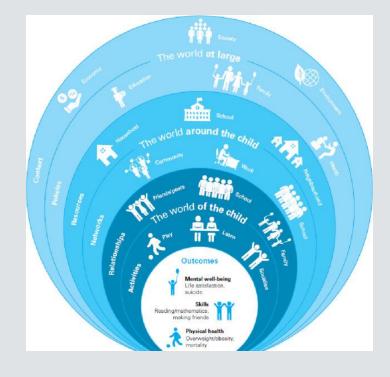
Les mondes de l'enfant....

Le monde général : l'inégalité des revenus,

l'offre éducative et la qualité de l'environnement;

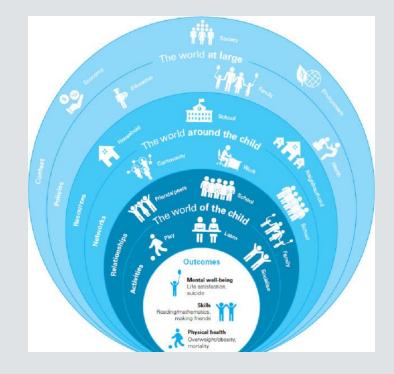
Le monde autour de l'enfant : les ressources disponibles dans son foyer, son école et son quartier

Le monde de l'enfant : ses relations avec sa famille et ses amis, ainsi que ses comportements et ses activités.



Les mondes de l'enfant....

Le monde général : l'inégalité des revenus, l'offre éducative et la qualité de l'environnement Le monde autour de l'enfant : les ressources disponibles dans son foyer, son école et son quartier Le monde de l'enfant : ses relations avec sa famille et ses amis, ainsi que ses comportements et ses activités.



Adversité et santé

Pyramide ACE de Felliti (1998)

Articles

The effect of multiple adverse childhood experiences on health: a systematic review and meta-analysis

Background A growing body of research identifies the harmful effects that adverse childhood experiences (ACEs; occurring during childhood or adolescence; eg, child maltreatment or exposure to domestic violence) have on health throughout life. Studies have quantified such effects for individual ACEs. However, ACEs frequently co-occur and no synthesis of findings from studies measuring the effect of multiple ACE types has been done.

Methods in this systematic review and meta-analysis, we searched five electronic databases for cross-sectional, control studies published up to May 6, 2016, peropring risks of health automace, considing of substance use, seasual health, mental health, weight and physical exercise, violence, and physical health status and conditions, and the state of the season of the state of the Methods In this systematic review and meta-analysis, we searched five electronic databases for cross-sectional

Findings Of 11621 references identified by the search, 37 included studies provided risk estimates for 23 outcomes, with a total of 253719 participants. Individuals with at least four ACEs were at increased risk of all health outcomes with a folial of 25/TP participants. Individuals with a feet four Acts were at increased risk of all health outcomes compared with individuals with no Acts. Associations were wake or modest for physical lunctivity, overweight or obesity, and diabetes (ORs of less than two); moderate for smoking, heavy alcoholuss, poor self-ared health, cancel possible the act disease, and diabetes (ORs of less than two); moderate for smoking, heavy alcoholuss, poor self-ared health, cancel possible the act disease, and the problematic alcohol use (ORs of more than three to six), and strongest for problematic of the problematic alcohol use (ORs of more than three to six), and strongest for problematic of the problematic alcohol use (ORs of more than three to six), and strongest for problematic of the problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six), and strongest for problematic alcohol use (ORs of more than three to six). and self-directed violence (ORs of more than seven). We identified considerable heterogeneity (P of >75%) between the considerable heterogeneity (P of >75%) be

Interpretation To have multiple ACEs is a major risk factor for many health conditions. The outcomes most strongly (CMAON FOLD-Public Health
use). To sustain improvements in public health requires a shift in focus to include prevention of ACEs, resilience.

(CMAON FOLD-Public Health
use). To sustain improvements in public health requires a shift in focus to include prevention of ACEs, resilience.

(CMAON FOLD-Public Health
use). To sustain improvements in public health requires a shift in focus to include prevention of ACEs, resilience. building, and ACE-informed service provision. The Sustainable Development Goals provide a global platform to reduce ACEs and their life-course effect on health.

Compright @ The Author(s). Published by Elsevier Ltd. This is an Open Access article under the CC BY-NC-ND 4.0 htt Mark All-Is. Oraclessisco.

Introduction

and increased allostatic load (ie, chronic physiological target).

Studies are increasingly identifying the importance of damage).

An increased allostatic load (ie, chronic physiological target).

Harding and increased allostatic load (ie, chronic physiological target).

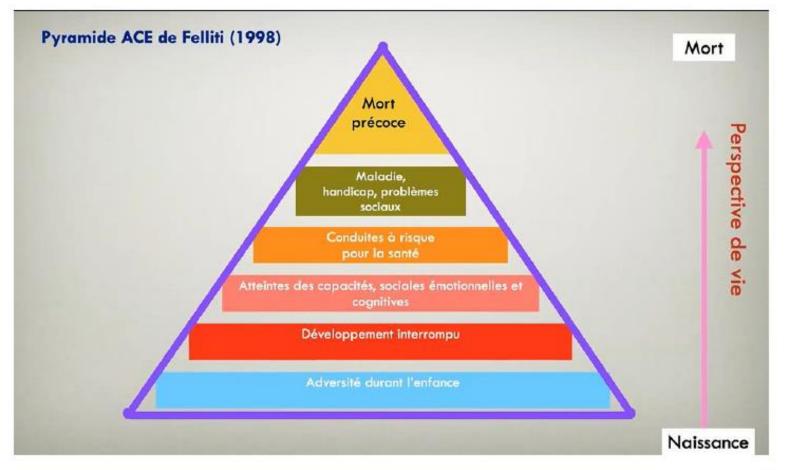
Harding and increased allostatic load (ie, chronic physiological target).

2004)

DOSE-EFFET (Felitti, 1998)



81-98% des adultes (Dong et al



Précarité et développement cognitif et langagier

Facteurs familiaux

Environnement linguistique

Des études ont montré que les enfants issus de familles défavorisées présentaient des différences significatives dans la richesse de leur environnement linguistique

Dépression parentale

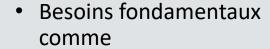
La dépression parentale, en particulier maternelle, est associée à des problèmes linguistiques et cognitifs chez l'enfant, en raison de l'impact négatif sur les interactions et les pratiques éducatives.

Ressources psychologiques

Le soutien familial, le niveau d'éducation de la mère et sa santé mentale influencent positivement les capacités cognitives et langagières des enfants, atténuant les effets négatifs du faible revenu.

Interactions parent-enfant

La pauvreté et le stress familial peuvent entraver les interactions parent-enfant et réduire les opportunités d'apprentissage à la maison, nuisant ainsi au développement linguistique.



- un logement sûr,
- une alimentation saine
- et des services de garde de qualité.
- Facteurs familiaux



Harcèlement à l'école

- Psychopathologie,
- Suicidalité
- Criminalité (Klomek et al, 2015)
- 1 enfant sur 3
- Enjeux d'une approche structurelle centrée sur l'environnement (efficace) :
 - A l'échelle de l'établissement
 - Impliquant toutes les parties prenantes
 - Niveau élevé d'engagement du personnel
 - Solutions construites en contexte
- Moins efficaces: programmes scolaires et apprentissage ciblé des compétences soci victimisation)

REVIEW ARTICLE

A Systematic Review of School-Based Interventions to Prevent Bullying

Rachel C. Vreeman, MD; Aaron E. Carroll, MD, MS

Objective: To conduct a systematic review of rigorously evaluated school-based interventions to decrease

Data Sources: MEDLINE, PsycINFO, EMBASE, Educational Resources Information Center, Cochrane Collaboration, the Physical Education Index, and Sociology: A SAGE Full-Text Collection were searched for the terms bullying and bully.

Study Selection: We found 2090 article citations and reviewed the references of relevant articles. Two reviewers critically evaluated 56 articles and found 26 studies that met the inclusion criteria

Interventions: The types of interventions could be categorized as curriculum (10 studies), multidisciplinary or "whole-school" interventions (10 studies), social skills groups (4 studies), mentoring (1 study), and social worker support (1 study)

Main Outcome Measures: Data were extracted regarding direct outcome measures of bullying (bullying, victimization, aggressive behavior, and school

responses to violence) and outcomes indirectly related to bullying (school achievement, perceived school safety, self-esteem, and knowledge or attitudes toward

Results: Only 4 of the 10 curriculum studies showed decreased bullying, but 3 of those 4 also showed no improvement in some populations. Of the 10 studies evalu ating the whole-school approach, 7 revealed decreased bullying, with younger children having fewer positive effects. Three of the social skills training studies showed no clear bullying reduction. The mentoring study found decreased bullying for mentored children. The study of increased school social workers found decreased bullying, truancy, theft, and drug use.

Conclusions: Many school-based interventions directly reduce bullying, with better results for interventions that involve multiple disciplines. Curricular changes less often affect bullving behaviors. Outcomes indi rectly related to bullying are not consistently improved

Arch Pediatr Adolesc Med. 2007:161:78-88

ULLYING IS A FORM OF AGgression in which 1 or more children repeatedly and inrass, or physically harm a victim.1 Victims of bullying are perceived by their peers as physically or psychologically weaker than the aggressor(s), and victims perceive themselves as unable to retaliate.2 Although bullving, harassment, and victimization can take many forms, the key elements of this behavior are aggression, repetition, and the context of a relationship with an imbalance of power.

Author Affiliations: Children's Health Services Research, Indiana University School of Medicine (Drs Vreeman and Carroll), and The Regenstrief (Dr Carroll), Indianapolis, Ind.

Bullying can impact the physical, emotional, and social health of the children involved. Victims of bullying more often report sleep disturbances, enuresis, abdominal pain, headaches, and feeling sad

creased risk for depressive symptoms and suicidal ideation 67 Students who report victimization are 3 to 4 times more likely volved children. 8,9 The effects of bullying on emotional health may persist over time 1 study10 showed that children bullied re peatedly through middle adolescence had lower self-esteem and more depressivsymptoms as adults. Victims of bullying are more likely to feel socially rejected of isolated and to experience greater social marginalization and lower social status.1

Bullying impacts a child's experience o school on numerous levels. Bullying cre ates problems with school adjustment and bonding, affecting the victims' comple tion of homework or desire to do well a school.6,12 In 1 study,13 20% of grade school children reported being frightened through much of the school day. Bullying seems to increase school absenteeism

bullies and victims have significantly in-(REPRINTED) ARCH PEDIATR ADOLESC MED/VOL 161, JAN 2007 WWW.ARCHPEDIATRICS.COM

than children who are not bullied. 4.5 Bul-

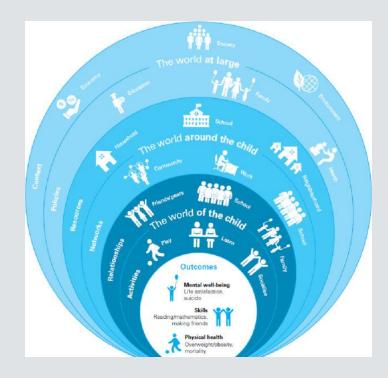
lies, their victims, and those who are both

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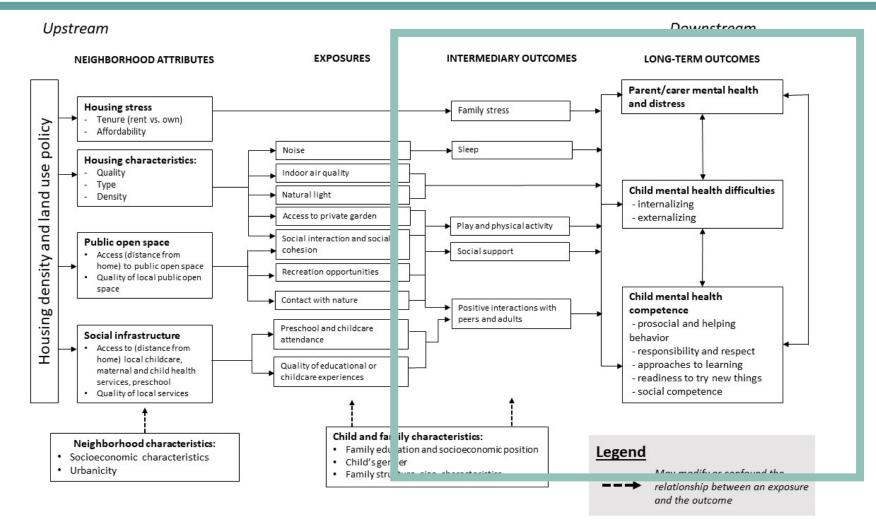
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Urbanisme et enfance



Alderton 2019

Figure 1. Conceptual framework theorizing possible pathways from the neighborhood built environment to child mental health outcomes.

Nature et enfance

Fort niveau de preuve

- activité physique,
- développement cognitif
- santé mentale
- comportements sociaux

Les leviers efficaces

- espaces verts à proximité du domicile ou de l'école de l'enfant,
- activités pratiquées dans des espaces verts

Nature and Children's Health: A Systematic Review

Amber L. Fyfe-Johnson, ND, PhD,[®] Marnie F. Hazlehurst, MS, PhD,[®] Sara P. Perrins, EdM, PhD,[©] Gregory N. Bratman, PhD,[©] Rick Thomas, MESM, MS,[®] Kimberly K. Gerrett, MPH,[®] Kiana R. Hafferty, BS,[®] Tess M. Cullaz, BS, BS,[®] Cegar K. Marcuse, MD, MPH,[®] Pooja S. Tandon, MD, MPH,[®]

CONTEXT: Daily outdoor play is encouraged by the American Academy of Pediatrics. Existing evidence is unclear on the independent effect of nature exposures on child health.

OBJECTIVE: We systematically evaluated evidence regarding the relationship between nature contact and children's health.

DATA SOURCES: The database search was conducted by using PubMed, Cumulative Index to Nursing and Allied Health Literature, PsychInfo, ERIC, Scopus, and Web of Science in February 2021.

STUDY SELECTION: We followed the Preferred Reporting Items for Systematic Reviews and Meta-Analyses guidelines. In all searches, the first element included nature terms; the second included child health outcome terms.

DATA EXTRACTION: Of the 10 940 studies identified, 296 were included. Study quality and risk of bias were assessed.

RESULTS. The strongest evidence for type of nature exposure was residential green space studies (n = 147, 50%). The strongest evidence for the beneficial health effects of nature was for physical activity (n = 108, 32%) and cognitive, behavioral, or mental health (n = 85, 25%). Physical activity was objectively measured in 55% of studies, and 41% of the cognitive, behavioral, or mental health studies were experimental in design.

LIMITATIONS: Types of nature exposures and health outcomes and behaviors were heterogenous. Risk of selection bias was moderate to high for all studies. Most studies were cross-sectional (n = 204, 6996, limiting our ability to assess causality.

CONCLUSIONS: Current literature supports a positive relationship between nature contact and children's health, especially for physical activity and mental health, both public health priorities. The evidence supports pediatricians in advocating for equitable nature contact for children in places where they live, play, and learn.



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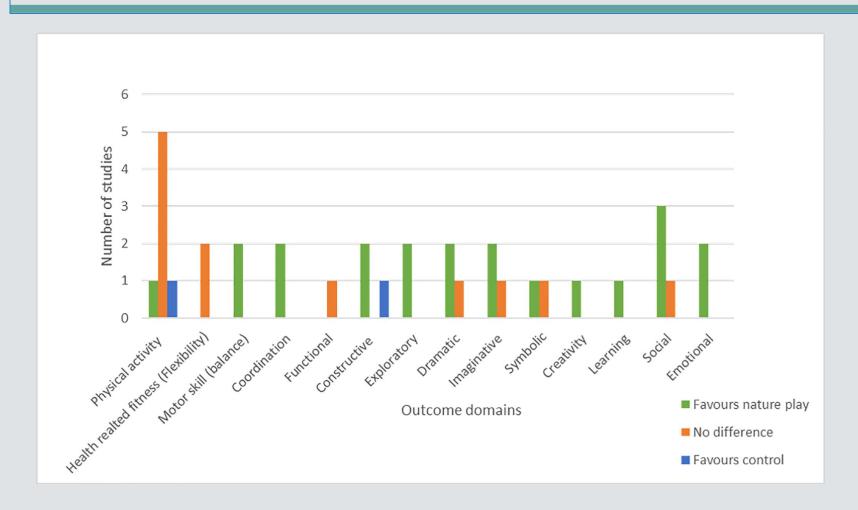
In Fyli-obstant contributed methodologic design additions, participated in full but review, data entraction, quality assessment, categorieal exposure, and outcome summans, emderated the consensar process, destinated the initial managers, and reviewed and revises the managerity. All Relativistation of the Perrins participated in screening, full fust review, data extraction, quality assessment, categorieal exposure, and outcome summaries, performed all analyses and reviewed the manuscript. We Thomas participated in screening, full text review, data certaction, quality assessment, and categories are reviewed and reviewed the manuscript with a Servite participated in screening. Service review, data certaction, quality assessment, and

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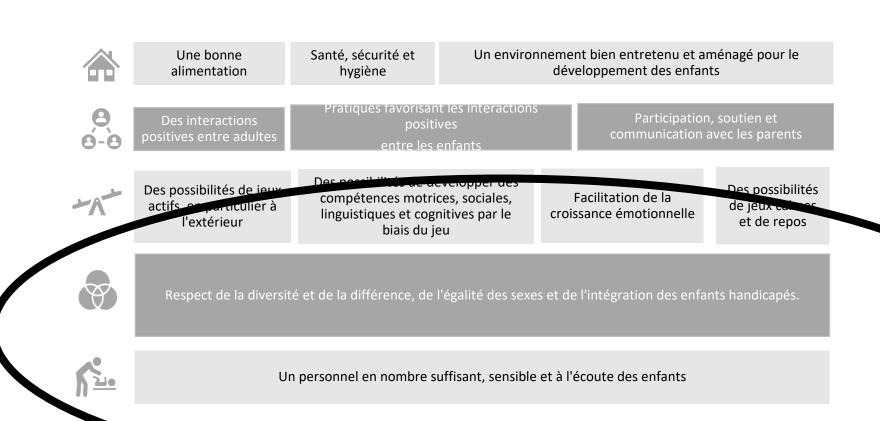
REVIEW ARTICLE

Jeu naturel



- Herrington, 2015,
- Dankiw, 2020

Des bases à revoir



La transmission du mal-être

Social Science & Medicine 73 (2011) 1675-1682



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Social Science & Medicine



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Organizational justice at school and its associations with pupils' psychosocial school environment, health, and wellbeing

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ARTICLEINFO

Article history: Available online 12 October 2011

It has been shown that the psychosocial environment perceived by school staff is associated with chil dren's academic performance and wellbeing. In this study we examined the associations betwee organizational justice (procedural and relational justice) as reported by school staff and pupils' perceptions of their school environment, health problems, academic performance, and absenteeism. We combined data from two surveys: for the staff (the Finnish Public Sector Study, n = 1946) and pupils (the Finnish school health promotion survey, n=11,781 boys and 12,842 girls) of 136 secondary schools, collected during 2004–2005. Multilevel cumulative logistic regression analyses showed that after adjustment for potential individual and school-level confounding factors, low procedural justice was associated with pupils' dissatisfaction with school-going. Low relational justice was associated with a 1.30 times higher risk of poor academic performance, 1.15 times higher risk of psychosomatic symptoms and 1.13 times higher risk of depressive symptoms among pupils. Both organizational justic components were associated with truancy. We concluded that staff perceptions of organizational justice at school are associated with pupils' reports of their psychosocial school environment, health, performance, and absenteeism due to truancy, improving managerial and decision making procedures among school personnel may be an important factor for protecting pupils' academic performance and wellbein © 2011 Elsevier Ltd. All rights reserver

development as a connection to the external environment and the place where they spend a large share of their day. A large body of which in turn, predicts later academic achievements. Pupils' own literature has shown that the school climate, defined as the social, perceptions of positive psychosocial school climates have also beer psychological, and academic atmosphere of a school (Anderson, 1982), is associated with children's academic performance and wellbeing (Aveyard Markham & Cheng 2004: Aveyard Markham & Prinz 2003) Lancashire et al., 2004; Bonny, Britto, Klostermann, Hornung, & Slap, 2000; Britto, Klostermann, Bonny, Altum, & Hornung, 2001; Han, 2009; Hill & Tyson, 2009; Karvonen, Vikat, & Rimpela, 2005;

Konu & Rimpela, 2002; Maddox & Prinz, 2003). For example, Simons-Morton and colleagues (Simons-Morton, Crump, Havnie, & Schools have an important influence on children's learning and Saylor, 1999) have suggested that a positive school climate may associated with positive developmental outcomes, such as good mental health, and a low risk of delinquency and truancy (Maddox

In addition to measuring students' perceptions, researchers car also measure teachers' perceptions of school climate, including their perceptions of organizational leadership and the overall functioning of the school (Parcel et al., 2003). When school climate * Corresponding author. National Institute for Health and Welfare, P0 Box 30, 1506970 Helsinist, Fishand, Telt. +338-309200621.

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Elovation(). The control of the second of the control of th Justice organisationnelle: pratiques, principes de décision, reconnaissances et distribution des ressources dans l'école » sur le bien-être des enfants (Elovainio et al, 2011):

- perceptions positives des élèves de leur environnement scolaire,
- problèmes de santé (soma et psy),
- performances scolaires,
- bien-être (perception d'être écouté, satisfaction)

0277-9536/\$ – see front matter © 2011 Elsevier Ltd. All rights reserved doi:10.1016/j.socscimed.2011.09.025

Un investissement

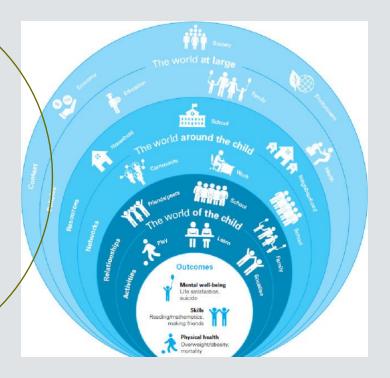
- Prix Nobel James Heckman: 1 dollar investi dans l'accueil de la petite enfance permet d'en économiser plus de 7,
- 10 ou 20 ans plus tard, consacrés à la compensation de l'échec scolaire, à la mise en place de plans de reclassement et à la fourniture de prestations sociales.



Les mondes de l'enfant....

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Sécurisation et développement de l'enfant : prendre soin

CHALEUR ET AFFECTION

Les démonstrations de chaleur et d'affection de la part des parents : développement socio-émotionnel.

RENFORCEMENT POSITIF

Le renforcement positif des comportements des enfants : bien-être et performances académiques.

REGLES COHERENTES

Des stratégies de régulation consistantes : autorégulation et comportements prosociaux.

EXPLORATION SECURISEE

Un style éducatif réceptif et sécure : explorer leur environnement et apprendre.

La capacité à prendre soin s'enracine ailleurs

• • • •





Le revenu et les ressources des familles : environnement stimulant, soins de qualité



Niveau d'éducation des parents

Le niveau d'éducation des parents, en particulier de la mère : environnement linguistique et

interactions de soutien

offertes à l'enfant.



Santé mentale des parents

Santé mentale et bienêtre des parents, en particulier de la mère



Pratiques parentales

Le style parental, les interactions parent-enfant et les attentes envers l'enfant



Si le soutien à la parentalité se limite aux pratiques parentales, il ne peut être qu'inéquitable

Nécessité de stratégie de réparation des effets de la précarité, de l'isolement, des différences socio-éducatives

Variation in neural development as a resuexposure to institutionalization early in c

Nargaret A. Sheridan^{a,b,c}, Nathan A. Fox^d, Charles H. Zeanah^e, Katie A. McLaughlin^{b,c,f}, and

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dited* by Bruce S. McEwen, The Rockefeller University, New York, NY, and approved June 21, 2012 (received for rev

unction in typically developing children in Romania (n = 20), chilren exposed to institutional rearing (n = 29), and children previusly exposed to institutional rearing but then randomized to a igh-quality foster care intervention (n = 25). In so doing, we proide a unique evaluation of whether placement in an improved nvironment mitigates the effects of institutional rearing on neural tructure, using data from the only existing randomized controlled he Bucharest Early Intervention Project underwent a T1-weighted ARI protocol. Children with histories of institutional rearing had ignificantly smaller cortical gray matter volume than never-instiutionalized children. Cortical white matter was no different for ut was significantly smaller for children not randomized to foster n EEG α-power among institutionally reared children compared vith children raised in families using these MRI data. As hypotheized, the association between institutionalization and EEG α -power vas partially mediated by cortical white matter volume for children ot randomized to foster care. The increase in white matter among hildren randomized to an improved rearing environment relative to hildren who remained in institutional care suggests the potential or developmental "catch up" in white matter growth, even follow-

eglect | brain development | early adversity | brain volume | early

A common societal response to orphaned or abandoned children is to rear such children in institutions (1, 2). UNICEF stimates that there are at least 8 million children who live in nstitutional settings. Institutional rearing of young children repesents a severe form of early psychological and physical neglect, and as such, serves as a model system for understanding how early sperience—or the lack of thereof—impacts brain and behavioral levelooment.

In most forms of institutional rearing, the ratio of caregiverso-children is low (e.g., in our sample ~1:12), care is highly reginented, and caregiver investment in children is low (3). Children aised in institutions are more likely than children raised in famlies to have deficits in cognitive function (4, 5) and in language roduction and comprehension (6, 7). Relative to noninstitutionlized children, children reared in institutional settings experience wide range of developmental problems including markedly elvated rates of attention-deficit/hyperactivity disorder and other orms of psychopathology (8-10) and difficulties with social unctioning (11–13). These developmental difficulties are not nique among children exposed to institutionalization. Indeed, xposure to a wide range of adverse early environments-inluding physical and sexual abuse, neglect, domestic violence, and hronic poverty—also increases a child's risk for psychopathology 14, 15), language delays (16), and reduced academic achievenent (17). Thus, elucidating how institutionalization results in evelopmental deviations is important both for informing the care

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of children raised in these envirounderstanding of typical and atyr

One of the most likely expla developmental problems observ institutional rearing is that the d stitution does not provide adeq scaffold normal brain developme expect to see differences in neura children reared in institutions i community. We examine this po

Effect of Institutionalization on Ne

has identified associations betwee alization and neural structure/fur manian Adoptees study, gray ar measured using structural MRI (9 and gray matter volume was obse from Romania to the United Kingo vs. 11 never-institutionalized ador Both groups were ~16 y of age at additionally reported smaller unco volume of the left hippocampus amygdala among previously ins second study (21) of 34 institution United States (average age 8.4 v c living in the United States with t 9.4 v old), did not replicate the fir larger amygdala volume across g relative to total brain volume, w after 15 mo of age (21).

A third study (22) used diffus structural connectivity in seven c and seven children born to families smaller whole brain, white, and gramong previously institutionalize trols (22). In addition, reduced ap fractional anisotropy was observed previously institutionalized compaction, and most significantly ir dicating a general compromise of

In sum, across three samples a viously institutionalized children, ated with differences in neural s

Author contributions: M.A.S., N.A.F., C.H.Z., and performed research; M.A.S. and N.A.F. contrib K.A.M. analyzed data; and M.A.S., K.A.M., and

The authors declare no conflict of interest.

*This Direct Submission article had a prearrar
Freely available online through the PNAS ope

¹To whom correspondence should be add harvard.edu.

This article contains supporting information o 1073/pnas.1200041109/-/DCSupplemental.

PNAS | August 7, 2012

Exemple : Les conditions de la mise sous protection

Effet du manque d'attention et de soins affectifs/supportifs sur du développement neuronal

Rattrapage possible en cas d'accueil de "haute qualité"

Shéridan, 2012

Et tout est lié....: Précarité et quartier (Zhou, 2019)

- Statut socio économique associé de manière significative à l'environnement du quartier lui-même significativement associé au bien-être des enfants.
- Mais non direct!
- Effet médiateur du voisinage (cohésion et lien)

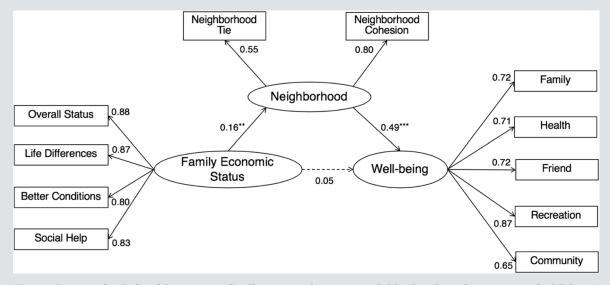


Fig. 1 Structural relationships among family economic status, neighborhood environment, and childrens' well-being. p < .05, p < .01, p < .01

3 voies de prévention







Le rôle d'APPIE







De la réponse individu-centrée

A la remise en question de la manière dont la société dans son entiereté fait ou non santé