



# ACEs in Wales and preliminary findings from a review into routine enquiry



# The Public Health Research, Evaluation and Development Hot House



- Funded by Public Health Wales
- Dedicated resource to respond to emerging research needs in line with PHWs strategic objectives;
- Link into academic networks;
- Provide opportunities for the development of both research capacity and high quality research programmes.

Based in Wrexham Campus, Bangor University, North Wales.

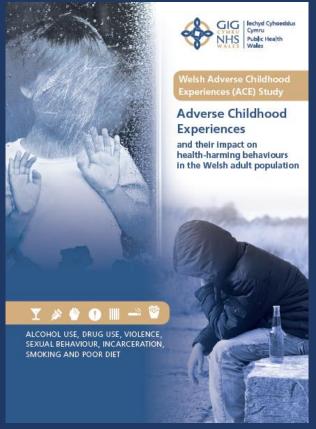
#### **Adverse Childhood Experiences (ACEs)**

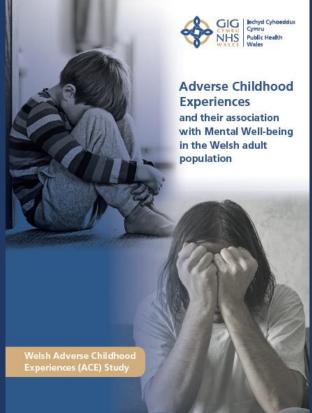
Stressful events occurring in childhood that affect a child directly (e.g. child maltreatment) or affect the environment in which they grow up (e.g. family substance abuse, mental illness, domestic violence)

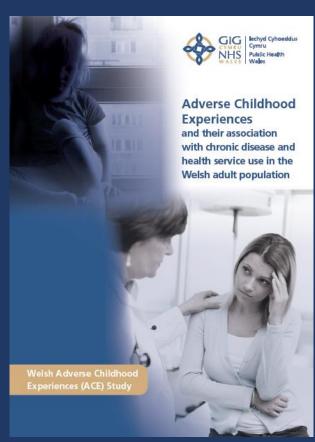
- Among the strongest predictors of poor outcomes across the life course
- ACEs are preventable
- Impacts can be avoided
- Multi-agency framework for action

# Welsh ACE Survey 2015

Nationally representative household survey 2,000 adult residents aged 18-69 Exposure to 9 ACEs





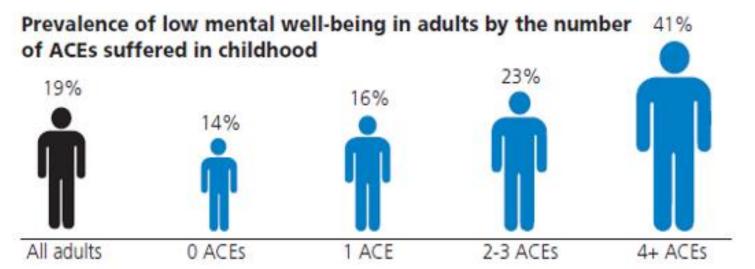


## Welsh ACE Survey 2015

#### Compared with people with no ACEs, those with 4+ ACEs are:

- 4 times more likely to be a high-risk drinker
- 6 times more likely to have had or caused unintended teenage pregnancy
- 6 times more likely to smoke e-cigarettes or tobacco
- 6 times more likely to have had sex under the age of 16 years
- 11 times more likely to have smoked cannabis
- 14 times more likely to have been a victim of violence over the last 12 months
- 15 times more likely to have committed violence against another person in the last 12 months
- 16 times more likely to have used crack cocaine or heroin
- 20 times more likely to have been incarcerated at any point in their lifetime

## Welsh ACE Survey 2015

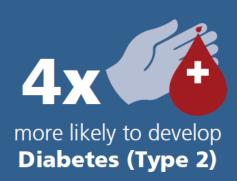


#### Over the past two weeks, compared to people with no ACEs, those with 4+ ACEs were also:

- 3 times more likely to have never or rarely felt relaxed
- 3 times more likely to have never or rarely felt close to other people
- 4 times more likely to have never or rarely been thinking clearly
- 5 times more likely to have never or rarely to have dealt with problems well
- 5 times more likely to have never or rarely been able to make up their own mind about things
- 6 times more likely to have never or rarely felt optimistic about the future
- 6 times more likely to have never or rarely felt useful

Up to the age of 69 years, those with four or more ACEs were 2x more likely than those with no ACEs to be diagnosed with a chronic disease\*5

For specific diseases they were:

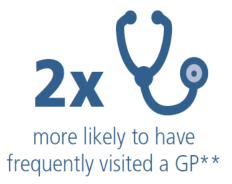






Levels of health service use were higher in adults who experienced more ACEs\*#

Over a 12 month period, compared to people with no ACEs, those with four or more ACEs were:



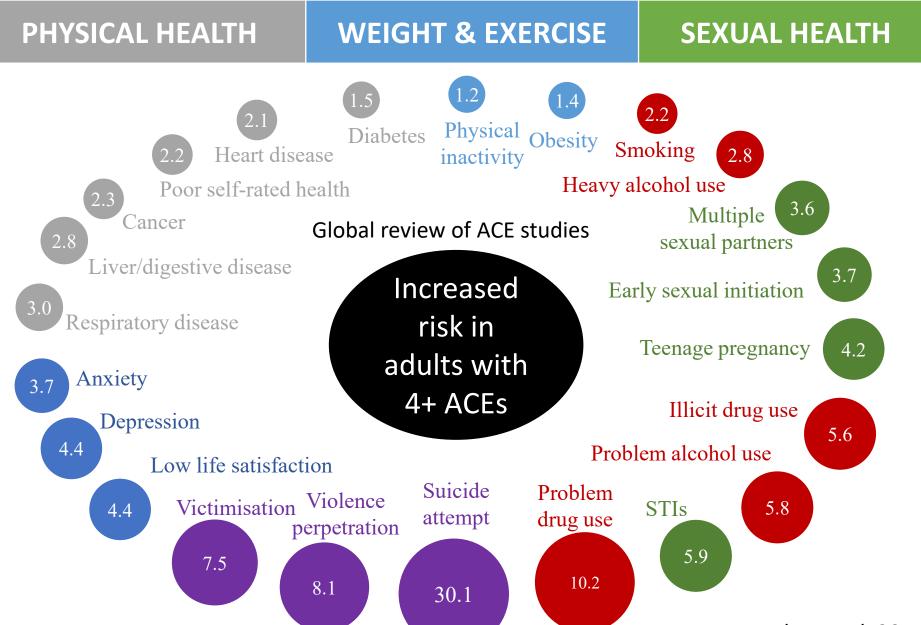






more likely to have stayed overnight in hospital

<sup>\*</sup>After taking age, sex, ethnicity and residential deprivation into account. All data was self-reported.; Includes Type 2 Diabetes, Stroke, Cancer, Coronary Heart Disease, Liver or Digestive Disease and Respiratory Disease; Excluding reasons relating to pregnancy; \*\*Visited a GP six or more times over the past 12 months.



Hughes et al, 2017

#### Resilience: the ability to overcome serious hardship

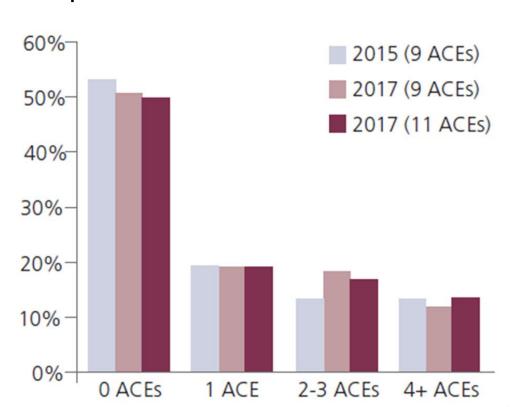
#### What factors may protect against impacts of ACEs in Wales?

#### Factors building resilience:

- Feel you can guide own destiny
- Equipped to manage behaviour and emotions
- Socially connected, grounded in cultural traditions
- Having at least one stable, caring child-adult relationship

#### ACE Resilience Study 2017

- National household survey
- 2,497 18-69 year olds
  - 2,005 general population
  - 492 boost in Welsh speaking communities
- Exposure to 11 ACEs





#### Proportion of adults reporting each ACE in 2017



Verbal abuse 20%



Physical abuse 16%



Sexual abuse 7%



Parental separation 25%



Mental illness 18%



Domestic violence 17%

Neglect was measured for the first time in 2017. Most people who reported neglect had multiple ACEs.









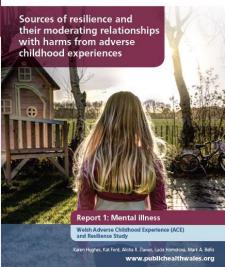


#### Mental Illness

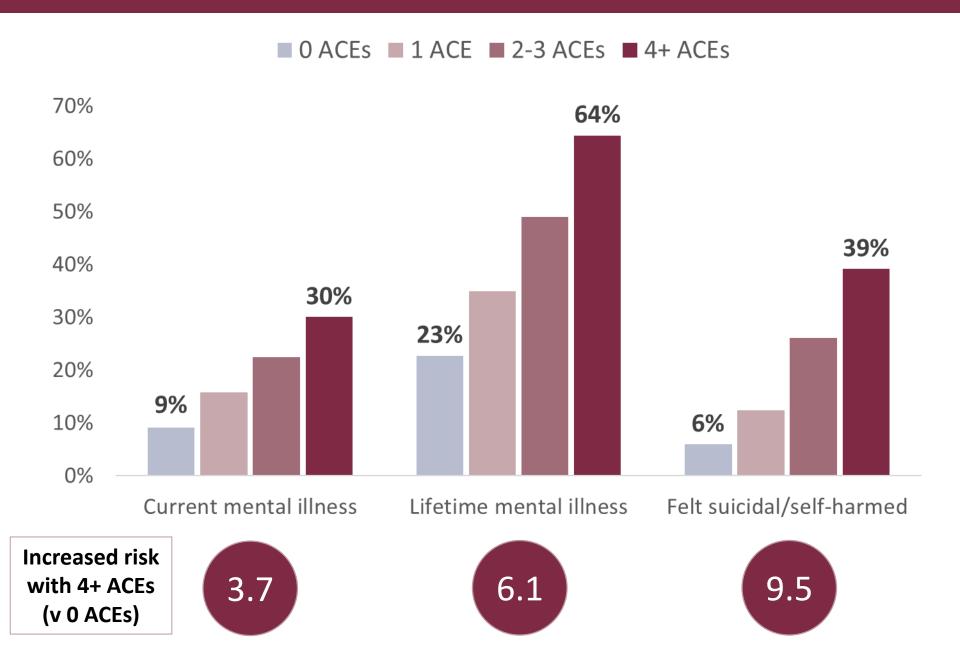
- Lifetime mental illness
  - Ever treated for depression, anxiety or other mental illness
- Current mental illness
  - Currently treated for depression, anxiety or other mental illness
- Felt suicidal or self-harmed
  - Ever having felt suicidal or self-harmed







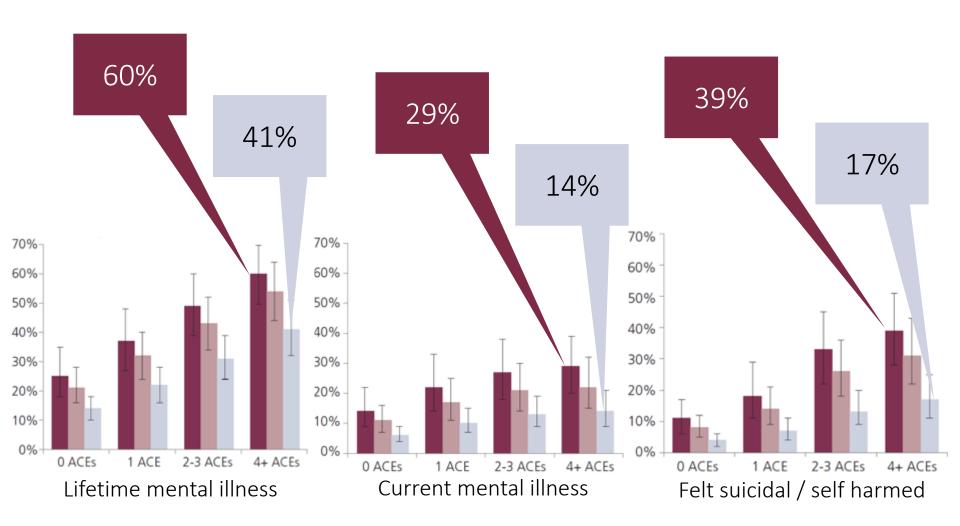
#### Relationship between ACEs and mental illness





# Childhood resilience was associated with lower mental illness across all ACE levels





#### An ACE-informed Wales

- Population 3 million
- Devolved Government
  - Education, health, housing, local government, social services...



"We will create ACE-aware public services which take a more preventative approach to avoid ACEs and improve the resilience of children and young people"

Prosperity for All: the national strategy

**Taking Wales Forward** 

# Breaking the cycle

### **Recognise and Support**

**Build resilience** 

**Prevent ACEs** 

#### **ACE-informed Policing**

- Exploring police knowledge and practice relating to vulnerability
- Evaluating training to improve understanding of trauma and increase confidence in responding
- Evaluating the impact of changes in practice to identify and respond to vulnerability

#### **ACEs and Prisons**

- Measuring the prevalence of ACEs in the offender population
- Exploring staff knowledge and perceptions of ACEs

#### **ACE-informed Health Services**

#### **General Practice**

- Evaluation of pilot study in England
  - Staff training
  - Routine enquiry via questionnaire waiting room
  - Discussion with GP
- Feasibility, acceptability and impact

#### Health visitors

- Exploration of current practice
- Staff training
- Routine enquiry during initial assessment
- Feasibility, acceptability and impact

Routine enquiry for ACEs

# What is the evidence?

# Thank you

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