

Adverse Childhood Experiences - ACEs



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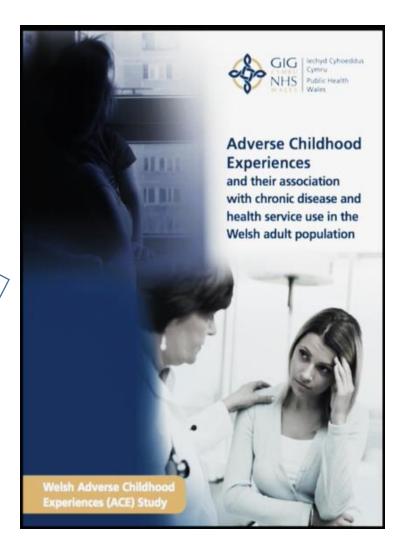


- Raising an awareness of Adverse Childhood Experiences - ACEs
- Introduction to how relational trauma impacts upon behaviour

ACEs – Reference material

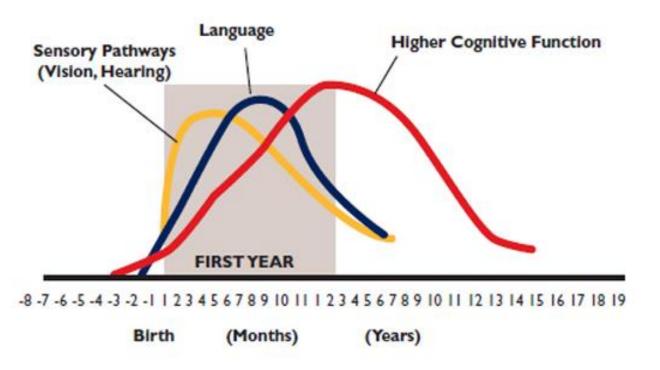


- Professor Vincent Felittico (San Diago USA) 1998 (17,000 participants)
- Blackburn with Darwen (1,500 participants)
- Professor Mark Bellis (Public Health Wales) 2015 (2028 participants)
- Hertfordshire, Northamptonshire and Luton Research (Liverpool John Moores University) 2016 (5,454 participants)





Human Brain Development Synapse Formation Dependent on Early Experiences (700 per second in the early years)

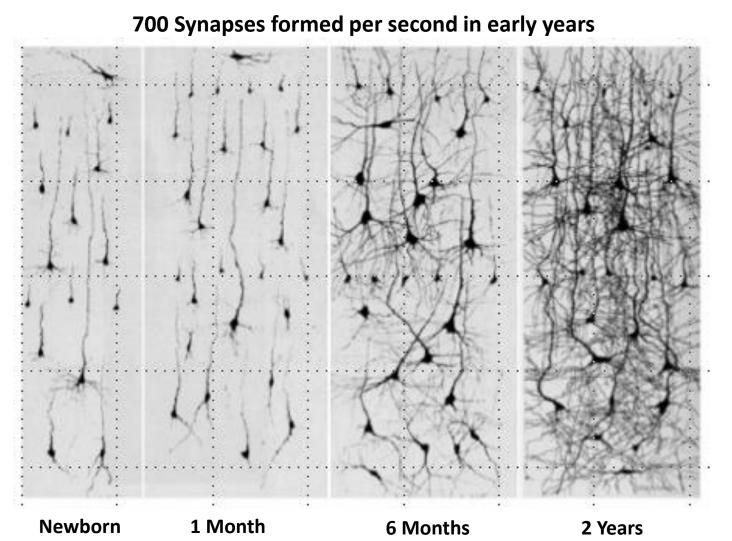


First 3 years - baby's brain grows from 25% to 80% of adult size

Data source: C. Nelson (2000); Graph courtesy of the Center on the Developing Child at Harvard University

Brain Development – the critical years

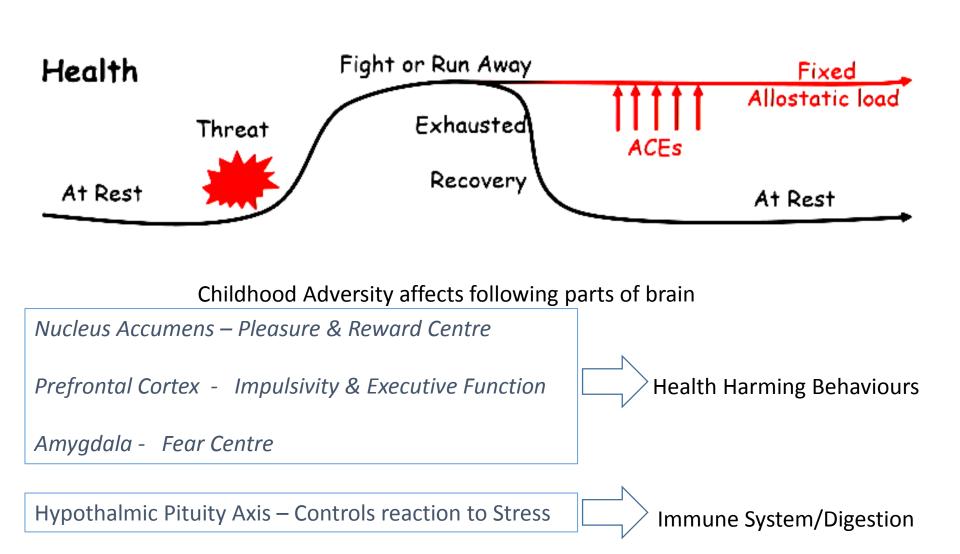




Development continues in childhood learning empathy, trust and community

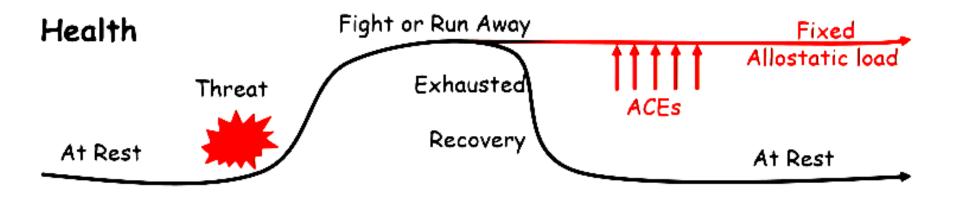
ACEs – Toxic Stress





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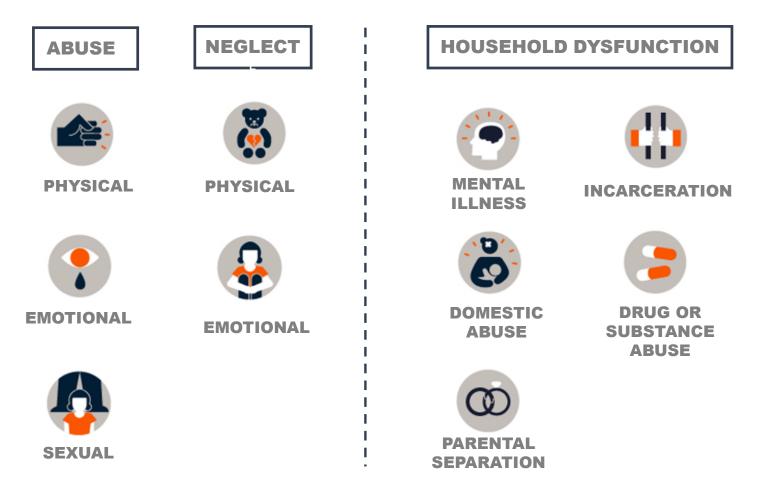
Chronic Stress from ACEs:-

- Violence over-develop 'life-preserving' brain
 NEUTRAL CUES LOOK THREATENING
- School anxious, disengaged, poor learners



ACEs – What are they?





Experiences of children up to the age of 18 years

Dose effect!

ACEs – Questionnaire Exercise



All the questions are prefixed with:-

"While you were growing up and before you reached your 18th birthday....."

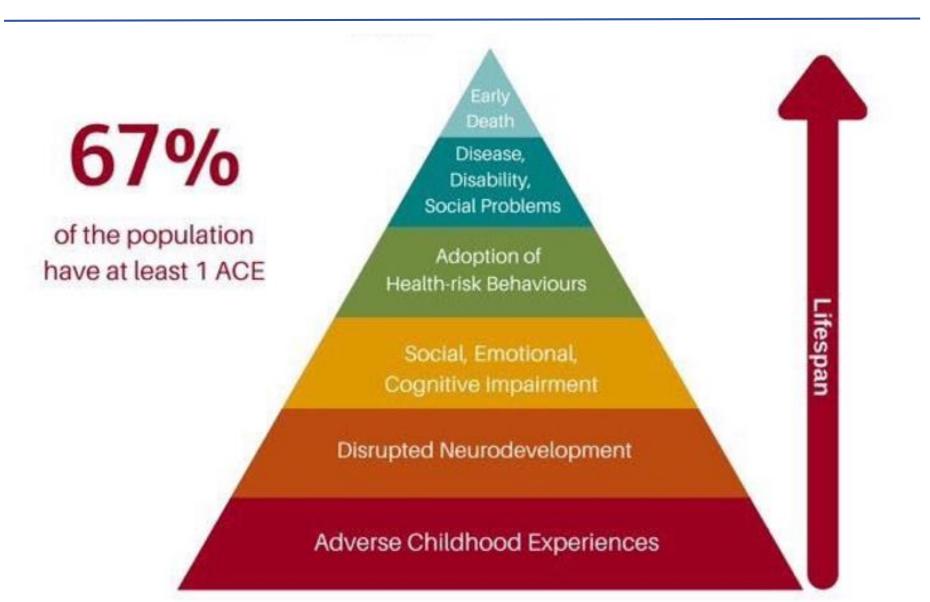
ACE	Question	Qualifying Response	Score 1 for each qualifying response per section
Sexual	How often did anyone at least 5 years older than you (including	Once or	
Abuse	adults) try to make you touch them sexually?	more than	
0		once to any	
	How often did anyone at least 5 years older than you (including	of the	
	adults) force you to have any type of sexual intercourse (or al, anal	three	
	or vaginal)?	questions.	
	How often did anyone at least 5 years older than you (including		
	adults) ever touch you sexually?		
Physical	How often did a parent or adult in your home ever hit, beat, kick of	Once or	
Abuse	physically hurt you in any way?	more than	
Abuse	budaren den er den namd midde.	once.	
1	(This does not include gentle smacking for punishment)	AT BAR.	
-			
Verbal	How often did a parent or adult in your home ever swear at you,	More than	
Abuse	insult you, or put you dawn?	once.	
Domestic	How often did your parents or adults in your home ever lap, hit,	Once or	
Abuse	lock, punch or beat each other up?	more than	
	seed, particular search data data data	once.	
ò		GIRGE.	
Parental	Were your parents ever separated or divorced?	Yes	
Separation			
00			
Mental	Did you live with anyone who was depressed, mentally ill or	Yes	
Illness	suicidal?		
()			
	Notes the state of the second s	Marc	
Alcohol Abuse	Did you live with anyone who was a problem drinker or alcoholic?	Yes	
Abuse			
Drug Abuse	Did you live with anyone who used ilegal street drugs or who	Yes	
<u> </u>	abused prescription medication?		
6			
ncarceration	Did you live with anyone who served time or was septenced to	Yes	
.	serve time, in a prison or a young offender's institution?		
0			
		IOTAL SCORE	

Adverse Childhood Experience (ACE) Questionnaire Finding your ACE Score

"While you were growing up and before you reached your 18" birthday,"

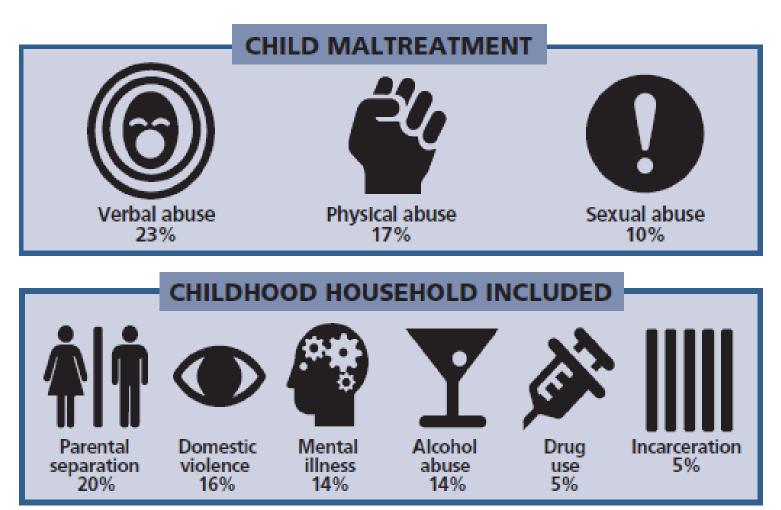
ACEs – Impact over a lifespan

Fam



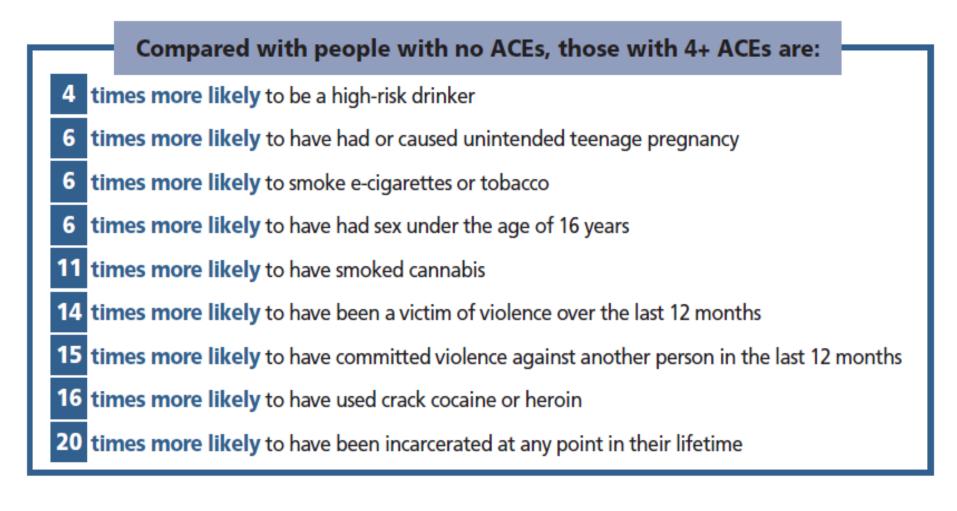


Number of adults in Wales reporting experienced an ACE during childhood



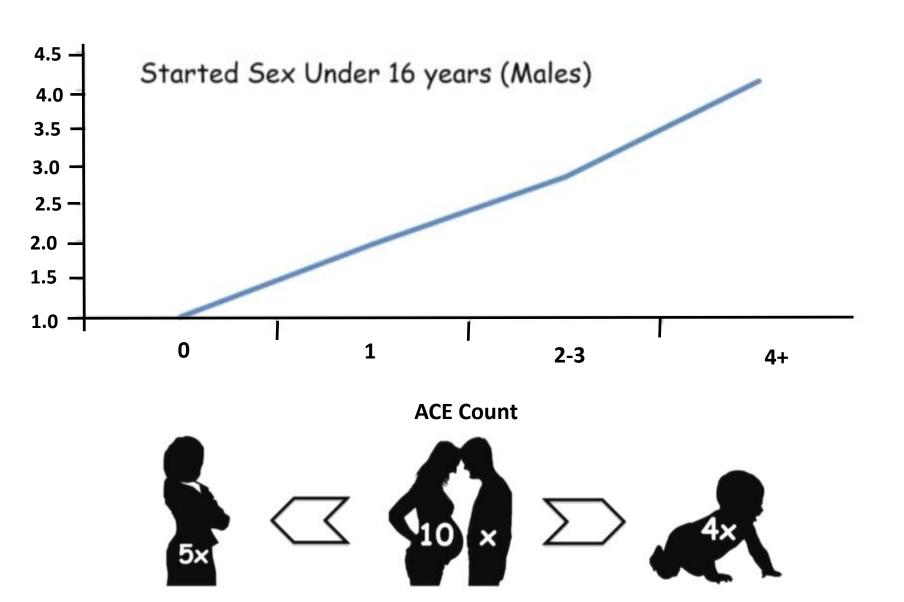


Prevalence of ACE's			
	English	Welsh	
	Study	Study	
O ACE's	56%	53%	
1 ACE's	18%	20%	
2-3 ACE's	17%	13%	
4+ ACE's	9%	14%	



ACEs – Children having children

Priorit





18-29 year olds

With **no ACEs 3%** had hit someone in the last 12 month

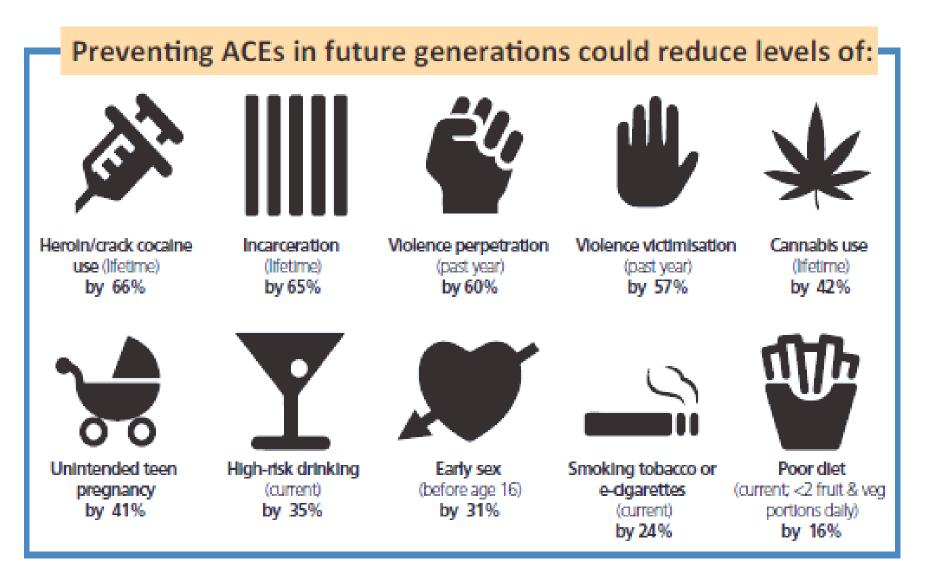
With **4 or more** ACEs 30% had hit someone in the last 12 month



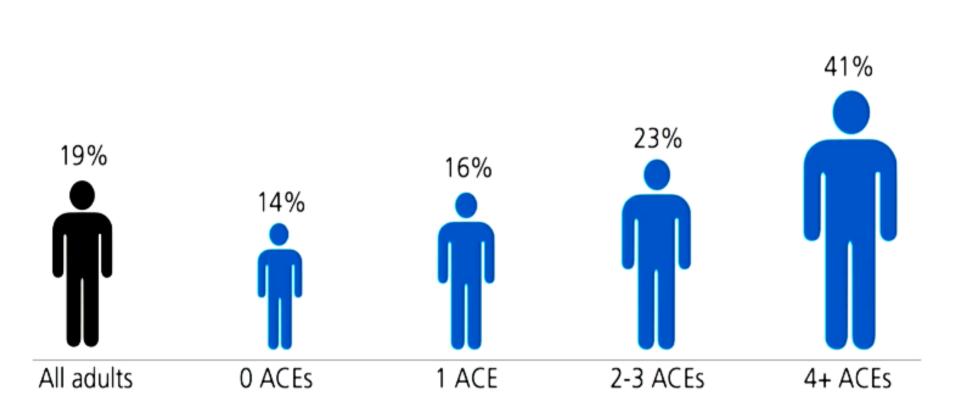
England & Wales data

Preventing ACES









Using a WEMWEBS score

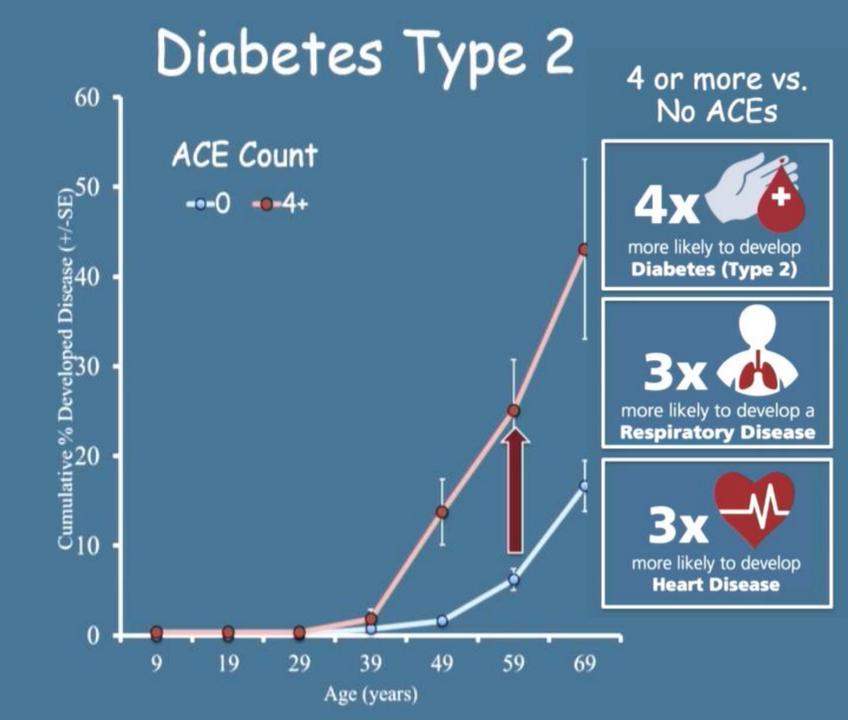
ACEs – Adult mental well-being



	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

Wales: Length of Healthy Life Individuals Diagnosed with a Major Disease by Age (%)

90 ACES ACEs 0 Cumulative % Developed Disease (+/-SE) 00 02 09 04 05 09 02 08 09 05 09 05 08 **Major Diseases** Cancer Stroke Type II Diabetes Cardio Vascular Disease **41% Digestive/Liver** Disease **Respiratory** Disease 21% 0 19 29 39 49 59 69 9 Age (years)

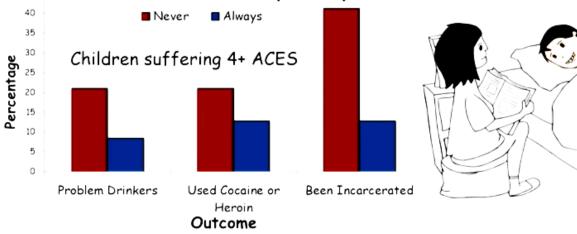


4+ACEs....it's not all over!



1. Trusted Adult

As a child, there was adult you trusted and could talk to about your problems?



2. Trauma informed Services



Adverse Childhood Experiences are not confined to the under privileged – they are all around us.

Bad stuff is common, it happens to everybody.



Video Links:

Experiences Build Brain Architecture https://www.youtube.com/watch?v=VNNsN9IJkws&list=PL0DB506DEF9 2B6347

Animation <u>https://www.youtube.com/watch?v=XHgLYI9KZ-A</u>

TED Talk referred to in presentation:

How childhood trauma affects health across a lifetime Dr Nadine Burke Harris <u>https://www.youtube.com/watch?v=95ovIJ3dsNk</u>