

Percentage of Global Disability Adjusted Life Years (total: 1.53 billion)

- Childhood underweight Unsafe s
- **3.** 4. Alcohol use Unsafe water, sanitation, hygiene High blood pressure
- Tobacco use

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- Suboptimal breastfeeding High blood glucose Indoor smoke from solid fuels Overweight and obesity Physical inactivity 9. 10. 11.
- 12. High cholesterol
- 13. 14. 15. Occupational risks Vitamin A deficiency Iron deficiency
- Low fruit and vegetable intake 16. 17. 18. 19.
- Zinc deficiency Illicit drugs Unmet contraceptive need

Conservative estimates: 3.2% of the global deaths 4.0% of the global DALYs.

unintentional injuries contributed most

to alcohol-attributable mortality burden

neuropsychiatric diseases contributed most to alcohol-attributable disease burden





















Current drinkers 17.4% students aged 12-17 years are current drinkers Greater than 1/3rd (37.0%) drank at risky levels > 4 std drinks on any one occasion Involvement with alcohol increased with age 8% of 13-year-olds Average no., of std drinks on any one occasion ٠ 37% of 17-year-olds. 7.6 drinks by males 5.6 by females All older students, lower proportion drinking > 4 std drinks on any • one occasion • 45.1% of 16-17 year olds 2005 (23%) "intend to get drunk" 2008 (18%) 2011 (16%) **KIDS KIDS**





























































Secondary Difficulties 1.

1. Inappropriate humour; class clown

 Pseudo-sophistication; may echo words, phrases, manners, and dress in order to "pass" as competent beyond their actual ability, often to their detriment

3. Fatigued, irritable, resistant, argumentative

 Anxious, fearful, chronically overwhelmed

5. Frustrated, angry, defensive, destructive

6. Poor self concept, often masked by unrealistic goals or self-aggrandizement

7. Isolated, few friends, picked-on

8. Family or school problems including fighting, suspension, or expulsion

9. May run away or use other methods

10. Trouble with the law, addictions

11. Depressed, may be self-destructive, suicidal



University of Washington; Children with a FASD

- 60% had a history of trouble with the law
- 50% had a history of confinement

 jail, prison, residential drug treatment facility, or psychiatric hospital
- The average age beginning to have trouble = 12.8 years

 easily led by others and tend to be impulsive.



comorbidities					
Behaviour and response	FASD	ADHD	ODD		
Takes Risks	Does not perceive danger	Acts impulsively	Pushes the envelope; feels omnipotent		
response	Provide mentor; utilize a lot of repeated role play	Utilize behavioural approaches (e.g., stop and count to 10)	Psychotherapy to address issues; protect from harm		

Behaviour and response	FASD	ADHD	ODD
Does not complete tasks	May or may not take in information; cannot recall information when needed; cannot remember what to do	Takes in information; can recall information when needed; gets distracted	Takes in information; can recall information when needed; choose not to do what they are told
response	Provide one direction at a time	Limit stimuli and provide cues	Provide positive sense of control; limits and consequences
ibousiv SAMHSA FASD Center for Evo	lience http://www.cde.state.co.uc/sites	/default/files/faset_apotherionk_school	

Behaviour and response	FASD	ADHD	ODD
Hits Others	Someone told them to; misinterprets intentions of others; may sense bump as attack; may respond from history of abuse	Frequently an impulsive act	Plans to hurt others: misinterprets intentions of others as attack or impending attack
response	Deal with misinterpretations at the time; one-to one support	Behavioural approaches to address impulsivity	Consequences; cognitive behavioural approaches
n Dubovsky, SAMHSA FASD Center	for Excellence http://www.cde.state.co.us/si	tes/default/files/fasd anotherlook sch	













How many weeks were you when you recognised that you were

- pregnant?
- Did you change any of your lifestyle factors once you recognised that you were pregnant?
 - embed timing, frequency and dose of risk and protective factors eg: alcohol with exercise, iron, omega 3, smoking, etc





