



Focusing Research Efforts...Where?

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IHE Consensus Development Conference on

October 7 to 9, 2009, The Westin Edmonton, Edmonton, Alberta

Fetal Alcohol Spectrum Disorder (FASD) – Across the Lifespan



INSTITUTE OF HEALTH ECONOMICS Government of Alberta ■

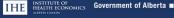


Initial Domains

Addressing Heterogeneity

- -Structure and Function Dissociation
- Dissociation between Exposure & Outcome

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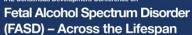




Dissociation between Exposure and **Outcome**

- Essential Attention to:
 - –Quantity
 - -Frequency
 - -Critical Developmental Periods

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Growing/Increasing Attention:

Comorbid Substance Use/ Direct and **Indirect Exposure**

Dietary Supplements: Level of Protection Fetal Risk Conditions

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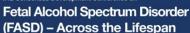


Modeling Neurobehavioral Deficits

Initial Domains, Cont.

- Comparative studies with appropriate controls
- Application of process approaches in addition to endpoint analyses
- Identifying/applying compensatory behaviors: Skill substitution as well as skill building
- Identifying links among neurobehavioral and social/emotional deficits

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Prevention via Abstinence and the Neurobiology of Later

INTERVENTION... WHEN

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Innovative Neuroscience

- Inadequate interface:
- Behavio(u)ral
- Developmental
- Molecular
- Cognitive

NEUROSCIENCES

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- Explore opportunities for post-exposure intervention
- Maternal Health Interventions
- Direct Fetal Intervention
- Neonatal, infant, childhood and adolescent continued intervention(s)







Application and Integration

What/ How Much and When?

How might pharmacologic & behavioral efforts be most effectively combined?

WHO gets WHAT? In a condition of limited supply, how is treatment allocated? What are the ethical issues associated with treating PAE babies and/or their mothers?

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and.. Conferential Epiphanies

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Personality/Temperament

Externalizing Behaviors:

- Conduct Disorder (CD)
- Oppositional Defiant Disorder
- ADHD due to overlap with CD

Internalizing Behaviors: Indirect

- Depressive symptoms (situational)
- Anxiety due to familial comorbidity

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Neuropsychological









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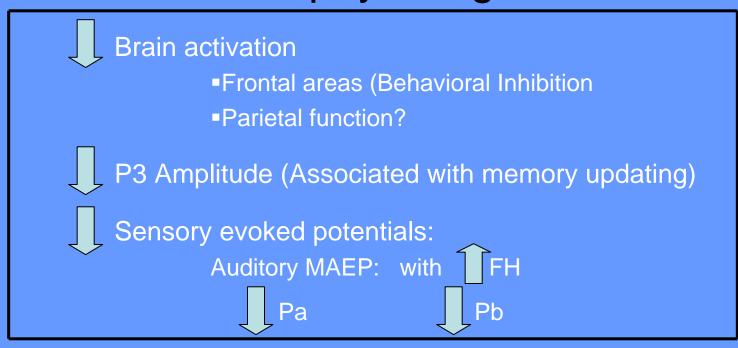
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Neurophysiological



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