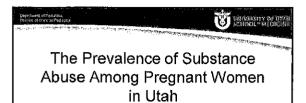


Objectives

- Understand the methodological challenges of research about drug-exposed children
- Become aware of Utah's current efforts in research about drug-exposed children

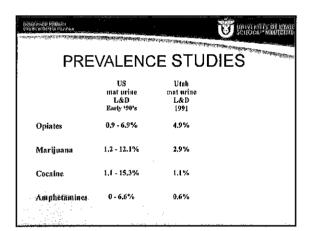
The Challenges

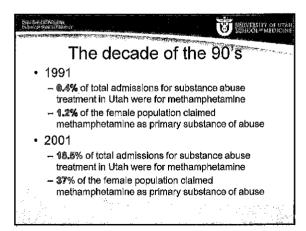
- Early 90's no organized effort to address issues of maternal substance use
- Substance abuse in Utah? Among pregnant women and mothers?
- · Not in my backyard!

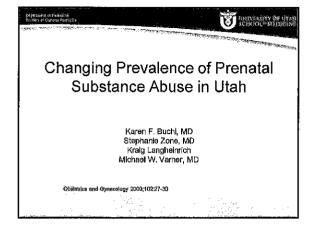


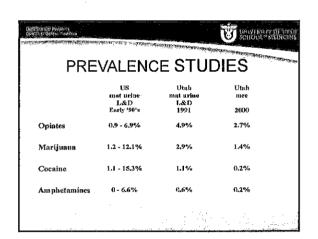
Karen F. Buchi, MD Michael W. Varner, MD Richard Chase, MS

Obstairies and Gynecology 1993;81:239-42









Utah's Methamphetamine Initiatives COPS Meth task force Public awareness campaigns Meth labs Maternal use Development of Level 2 protocol for children found in drug exposed settings

DEC and foster care • Are drug endangered children different than other children admitted to the foster care system? SAFE Database • Computerized confidential information management system • Utilized by DCFS in Utah since 2000 • Contains demographic, medical, dental, mental houlth phormass and one understand formation.

•	health, pharmacy, and case worker information
•	This database provides a unique opportunity to look at a larger cross-section of children and
	adolescents in the foster system than found in previously published studies

Medical and Mental Health of Children Entering the Utah Foster Care System Julie Steele, MN, FNP Karen F. Buchi, MD

Pediatrics 2008:122:e000

Methods

V

- · Analysis of a statewide database (SAFE)
- 1/01/2001 to 12/16/2004
- Abstracted mental health information from the initial medical and mental health assessments
- · Mental health diagnoses based on the DSM IV diagnoses from the 30 day mental health evaluation
- Information on 6177 children was analyzed

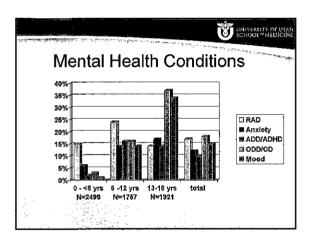
v. v.	contract to the contract the same and the con-	A scupor
	Results	A SERVICE CONTRACTOR OF SERVICE SERVICES
Race/Ethnicity	White	83%
	Hispanic	24%
	American Indian	6%
	African American	5%
	Aslan	0.7%
Gender	Male	49%
	Female	51%
Age	0 to <6 years	40%
	6-12 years	28%
100	13 -18 years	31%

SCHOOL WEDGING

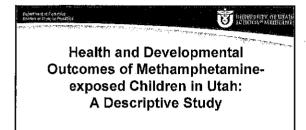
SAFE Data Base 2001-2004

- · 38% removed due to neglect
- 21% dependency13% delinquent behavior
- 11% physical abuse
- 4% sexual abuse
- · 13% other
- Drug endangerment reported in 45% of the cases

Results	Total (N=6177)
One or more MH Conditions	2747 (44%)
or more MH Conditions	1612 (26%)
Reactive Attachment/Adjustment Disorder (RAD)	1051 (17%)
Anxiety Disorders	713 (12%)
Attention Deficit Disorders (ADD/ADHD)	604 (10%)
Oppositional Defiant/Conduct Disorder (ODD/CD)	1088 (18%)
Jood Disorders	937 (15%)



Summary of Findings Large statewide database that uniquely used DSM IV diagnoses 44% had one or more mental health conditions Multiple mental health diagnoses present in one-fourth of the total population Increasing prevalence of mental health disorders, co-morbid conditions, and pharmacotherapy with age Pharmacotherapy was utilized in 15% of the cohort and one-third of those with a mental health diagnosis were on medication for a mental health condition



Julie Steele, FNP Karen F. Buchi, MD

Funded by COPS Meth Grant Salt Lake City Corporation

imprim vaj stransjara Dr 15 i et dare di Parime TO LOSSESTE OF BELLEVIEW Background · Children in foster care are at risk for medical and mental health conditions

- - 54% had one or more acute or chronic medical condition
 - 44% had one or more mental health condition
- · Many assume that drug-endangered children, specifically methamphetamineexposed children, are more at risk

Personne et et partiettes Division et Gameria Poulation UNIVERSITY OF UTAL **Objectives** Determine the prevalence of medical and mental health problems among drug-endangered children, specifically those known to be exposed to methamphetamine Describe the developmental and behavioral outcomes of a subset of these children Compare these findings to the prevalence of these conditions among children in the foster system who are not identified as being drug-endangered.

Methodology SAFE database Computerized confidential information management system Utilized by DCFS in Utah since 2000 Contains demographic, medical, dental, mental health, pharmacy, and case worker information This database provides a unique opportunity to look at a larger cross-section of children and adolescents in the foster system than found in previously published studies

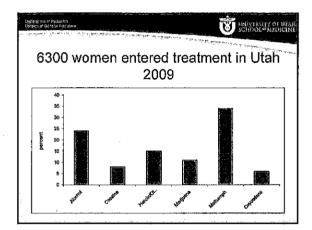
Methodology

- De-identified information is provided by the Division of Substance Abuse and Mental Health
- Detailed data analysis to determine associations between drug exposure and health status

Methodology • Analysis of a subset of children who received developmental screening – Ages and Stages • Administered by nurses or foster parents • Ages 4 months to 5 years – Fostering Healthy Children program keeps this information in a separate database

Status Report

- IRB approval
 - University of Utah
 - Division of Substance Abuse and Mental Health
- Data query to be run by the Division



Superine (SAP) - FIGT Chase of Union Sediment	The state of the s	THININE STATE OF UTAH
Litah P	renatal Substa	ance Ahuse
1	Prevalence St	
	Karen F. Buchi, M Michael W. Varner, Carla Suarez	
. Utah Su	Funded by a grant from Obstance Abuse and Anti-Violence Co 'Commission on Criminal and Juveni	ordinating Council le Justice

· · · ·		<u>.</u>	
	·		
		<u>,</u>	
			

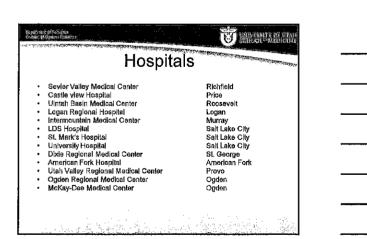
Objectives

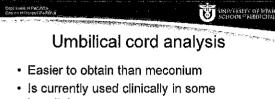
- Determine the prevalence and patterns of prenatal substance use among women delivering infants in Utah hospitals.
- Identify maternal and Infant risk factors associated with maternal substance use in urban Utah.
- Compare these findings to prevalence studies done previously to identify trends in the maternal population in Utah.

项 电流

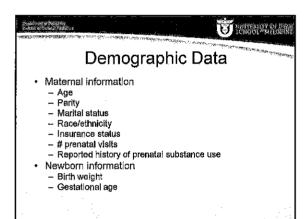
Methodology

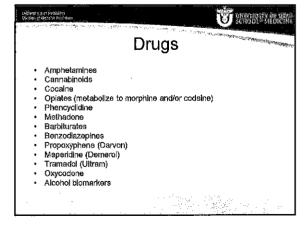
- · Enroll hospitals throughout Utah
 - Rural and urban
- Perform anonymous collection
 - Segments of umbilical cord from consecutive deliveries
 - Non-identifiable demographic information
- Analyze cord samples for substances of abuse
- · Perform statistical analysis





- hospitals
- · Reflects drug exposure after 18 weeks of gestation





Status report

- · IRB approval obtained for 13 hospitals
- Still awaiting IRB approval in 2 hospitals
- Umbilical cord collection complete in eligible hospitals
- Once data analyzed, report back to all participating hospitals

Management of Neonatal Abstinence Syndrome Robert Ward, MD Karen Buchl, MD Shrona Patel, MD Kent Korgenski Xlaoming Sheng Michael Goodman Funded by an NIH grant

Background • Opiate use during pregnancy is common • Neonatal abstinence syndrome (NAS) is common — Requires pharmacologic intervention — Requires prolonged hospital stays • No evidence-based guidelines exist for treatment of NAS

Objectives

- Describe the demographic characteristics of the drug-exposed newborn.
- Describe the physical health of the drugexposed newborn.
- Describe the hospital management and disposition of the drug-exposed newborn, specifically focusing on variability of care.
- Compare our experience with the published literature.

Methodology

- · Retrospective chart review
 - Identify newborns with NAS
 - University Hospital
 - · Case Western University
 - Review charts to document all aspects of care
 - Analyze data
 - · Degree of consistency or variability of care
 - . Determine aspects of care that need more research

