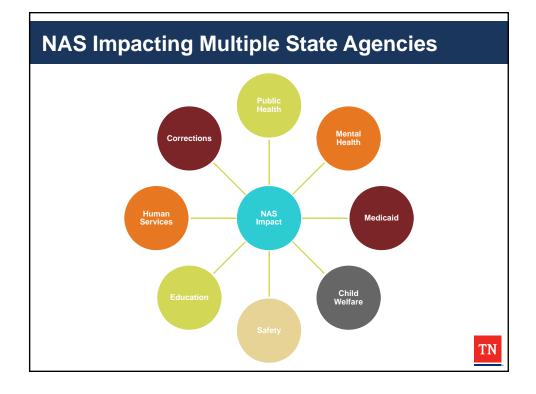
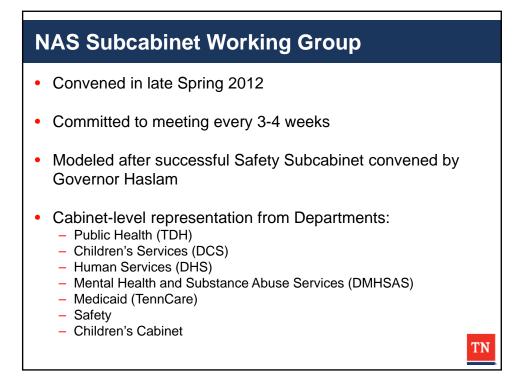


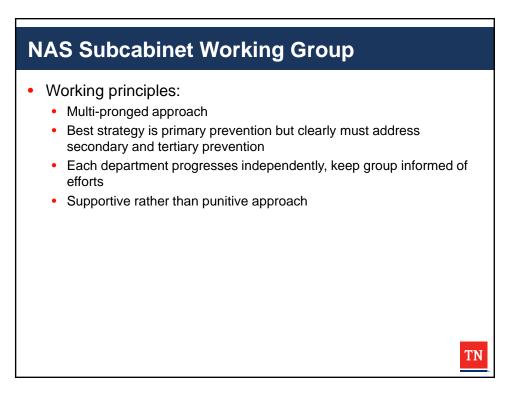
TennCare NAS Costs, CY2011

Metric	TennCare Paid Live Births ¹	TennCare non-LBWT Births	TennCare Live LBWT Births ²	NAS Infants			
Number of Births	45,205	40,437	4,768	528			
Cost for Infant in first year of life	\$350,936,293	\$171,336,964	\$179,599,329	\$33,249,612			
Average Cost per child	\$7,763	\$4,237	\$37,668	\$62,973			
Average length of stay (days)	4.8	4.8 3.2 18.3					
				1.1% of infants			
				9.5% of costs			
ta source: Division of Health Care Finance This sample contains only children that we			al Security Number	T			

nfants in DCS	Custody, Tenn	Care, CY2011
	Infants born in CY 2011	NAS infants
Total # of Infants	55,578	528
Total # infants in DCS	767	120
% in DCS	1.4%	22.7%
source: Division of Health Care Finance and Adm ample contains only children that were directly m		ecurity Number.





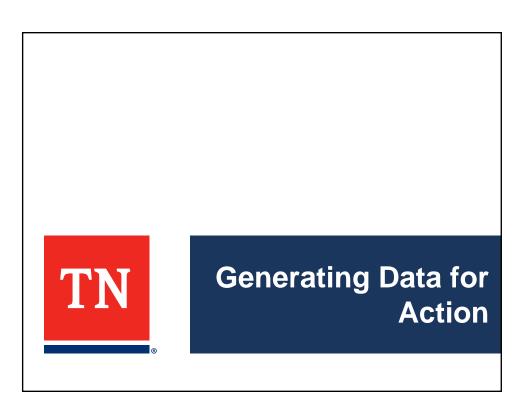


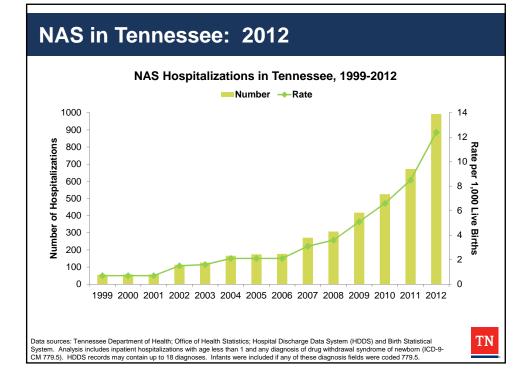
Other Key Partnerships

- Local anti-drug coalitions
 Awareness campaigns
 - Count It! Lock It! Drop It!
 - Advocacy
- Law enforcement
 - Drop-off boxes/Take-back events
- Courts/Correctional system
 - Drug courts/educational programs
 - Jail-based education
- Academic partners
 - Data analysis/research projects
 - Subject matter expertise

- Insurance payers
 Pilot funding
- Professional medical organizations
 - Continuing education
 - Advocacy
- Community agencies
 - Wrap-around/recovery support
 - Home visiting
- Elected officials
 - Local, state, national policy efforts



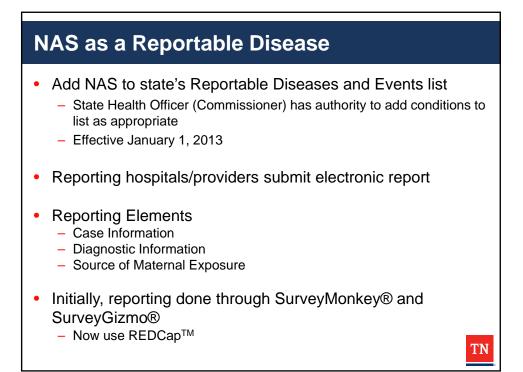


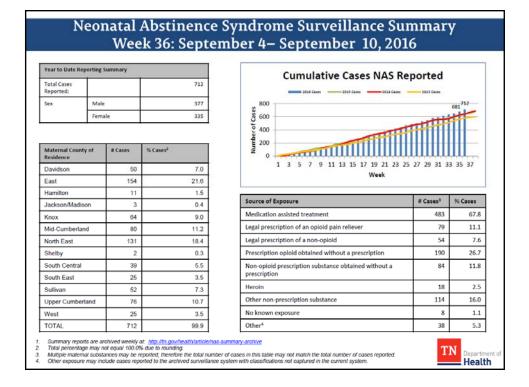


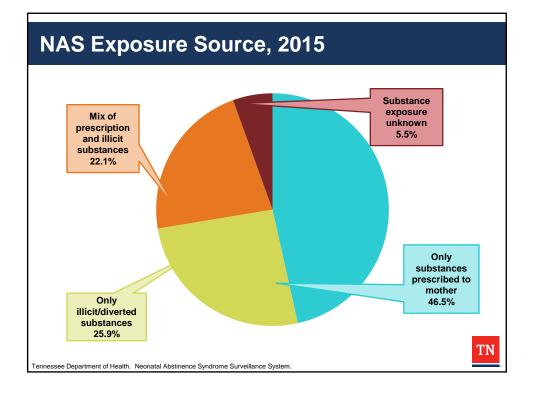
NAS in Tennessee: 2012

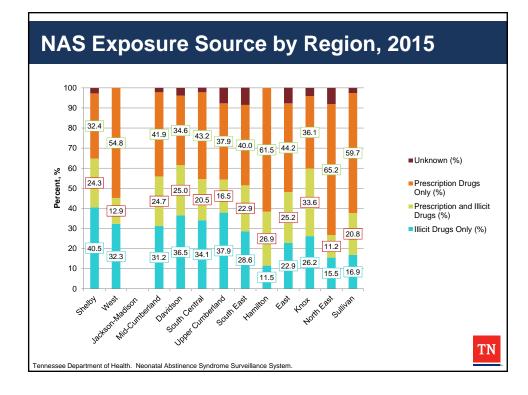
- What we knew in 2012...
 - Hospital discharge data through 2010 showed sharp increase in NAS cases
 - Feedback from hospitals (particularly in East TN):
 "Busting at the seams" with NAS babies
 - Increase in drug overdose deaths
 - We have a problem

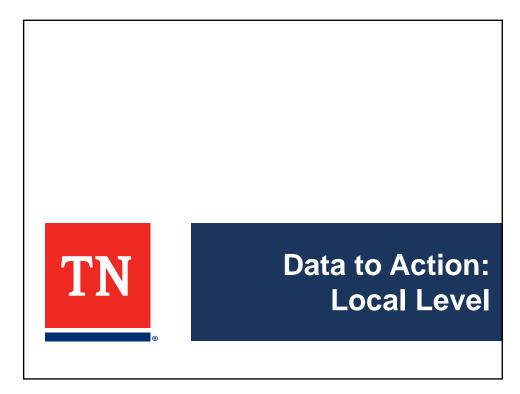
- What we <u>didn't</u> know in 2012...
 - 2011 or 2012 case numbers
 - State rules re: release of hospital discharge data
 - Source of prenatal exposure
 Not easily identifiable via administrative claims











	PRIMARY Prevention	SECONDARY Prevention	TERTIARY Prevention									
Definition	An intervention implemented before there is evidence of a disease or injury	An intervention implemented after a disease has begun, but before it is symptomatic.	An intervention implemented after a disease or injury is established									
Intent	Reduce or eliminate causative risk factors (risk reduction)	Early identification (through screening) and treatment	Prevent sequelae (stop bad things from getting worse)									
NAS Example	Prevent addiction from occurring Prevent pregnancy	Screen pregnant women for substance use during prenatal visits and refer for treatment	Treat addicted women Treat babies with NAS									

Demographics	TennCare Women	Women Prescribed Narcotics (>30 days supplied)	Narcotic Users Rate per 1,000	Women Prescribed Contraceptive s and Narcotics	% of Women on Narcotics and Contraceptives	Women Prescribed Narcotics without Contraceptives	% of Women on Narcotics <u>Not</u> on Contraceptives		
All Women	320,327	38,210	119	5,625	15%	32,585	85%		
15-20	85,174	1,333	16	541	41%	792	59%		
21-24	48,169	2,787	58	814	29% 1,973		71%		
25-29	59,165	6,998	118	1,561	22%	5,437	78%		
30-34	53,614	9,483	177	1,459	15%	8,024	85%		
35-39	42,963	9,281	216	804	9%	8,477	91%		
40-44	31,241	8,328	267	446	5%	7,882	95%		
ata source: Division c					data. Available at:		TN		

East TN NAS Primary Prevention Project

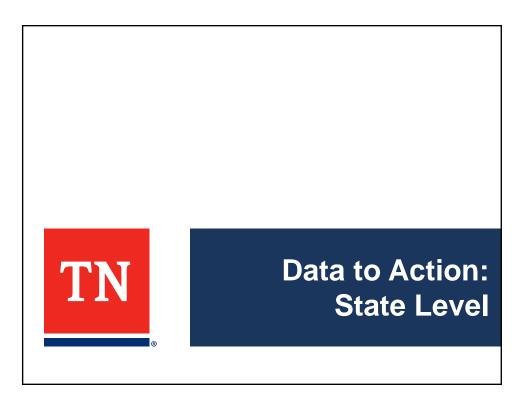
- Primary Prevention Initiative (PPI):
 - Department-wide initiative
 - Vision by State Health Officer
 - Focus upstream
 - Engage community partners to address local issues

East TN PPI Project: •

- Started in Cocke and Sevier counties
- Partnership with local jails
- Health education sessions
 - Focus on NAS prevention
 - Information on effective contraception
- Partnerships with jails to refer inmates to local health department for family planning

East TN NAS Primary Prevention Project

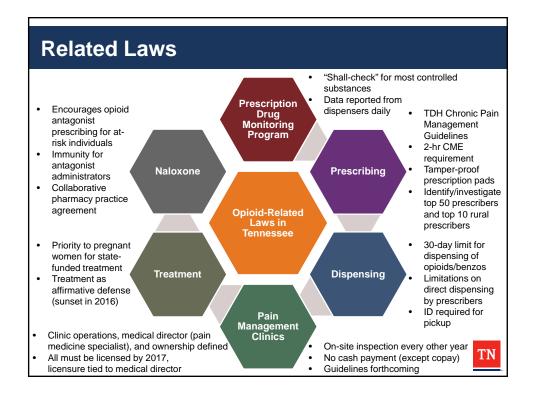
- All services are **voluntary**
- Any patient referred to health department for family planning services is offered a <u>variety of acceptable and effective</u> <u>contraceptive methods</u>
- Selected results from East TN PPI project:
 - 442 referrals in 2014-15
 - 88% with history of drug use
 - 30% reported drug use during pregnancy
 - 19% had delivered infant with NAS
 - 73% reported no contraceptive method
 - Among referred patients:
 - 94% received a contraceptive method (N=406)
 - 84% chose a voluntary reversible long-acting contraceptive (N=361)

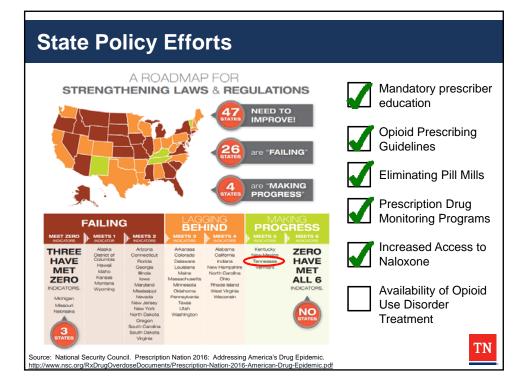


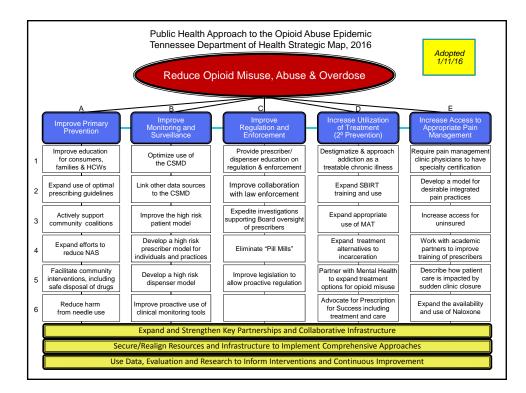
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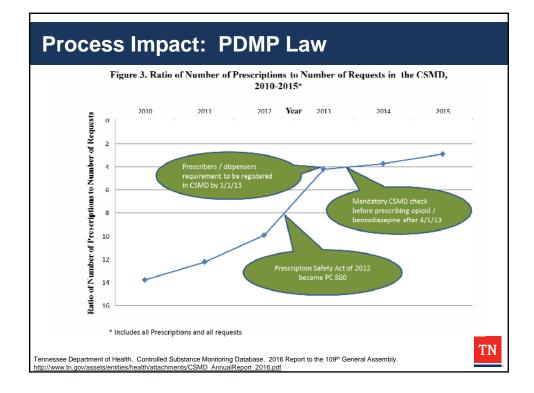
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News & Events Home News & Events Newsroom Press Announcements					a
FDA NEWS RELEASE					
For Immediate Release: Sept. 10, 2013 Media Inquiries: Morgan Liscinsky, 301-796-0397, morgan.liscinsky@fda.hhs.gov Consumer Inquiries: 888-INFO-FDA					
				En E	Españo
DA announces safety labeling changes and postmarket study requirements for New boxed warning to include neonatal opioid withdrawal syndrome	extended-release and long-a	cting opioid analgesics			
The U.S. Food and Drug Administration today announced class-wide safety labeling acting (ER/LA) opioid analgesics intended to treat pain.	g changes and new postmarke	et study requirements fo	r all extended-r	release and lo	ng-
"The FDA is invoking its authority to require safety labeling changes and postmarke these potent drugs that have harmed too many patients and devastated too many fa action demonstrates the FDA's resolve to reduce the serious risks of long-acting ar patients who rely on these medications to manage their pain."	amilies and communities," said	d FDA Commissioner M	argaret A. Ham	hburg, M.D. "To	oday's
The FDA is also requiring a new boxed warning on ER/LA opioid analgesics to cau opioid withdrawal syndrome (NOWS), which may be life-threatening and require m a newborn exposed to opioid drugs while in the mother's womb. Symptoms may in	anagement according to protoc	cols developed by neona	lology experts. I	NOWS can occ	
The updated indication further clarifies that, because of the risks of addiction, abus: overdose and death, these drugs should be reserved for use in patients for whom a are ineffective, not tolerated, or would be otherwise inadequate to provide sufficient	alternative treatment options (e	.g., non-opioid analges	ics or immedia	ite-release opi	
"The FDA's primary tool for informing prescribers about the approved uses of medic regulatory programs in the FDA's Center for Drug Evaluation and Research. "These ER/LA opioids and will encourage better, more appropriate, prescribing, monitoring	labeling changes describe m	ore clearly the risks and	I safety concerr		
Recognizing that more information is needed to assess the serious risks associate make these products to conduct further studies and clinical trials. The coals of these					

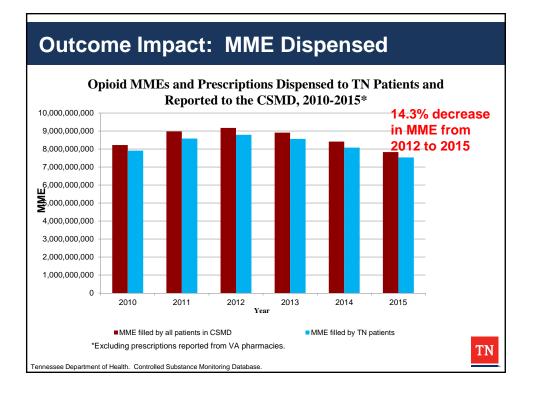
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For female pati 10. The use of counseled r syndrome? 11. Is this patier 12. Has access	opioid egardir O Yes nt curre	analgesic ng the risks i DNo ently utilizing	s durin of bec g a fon	ng pre oming m of c	egnan) pregi ontrac	nant w	s beer hile re 1 <mark>? []</mark> '	n asso eceivin Yes	g this	l with medic						ient bee
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Collaborative Research Projects

- 5 grants awarded to collaborative research partnerships
 - Address key NAS research questions
 - Answerable:
 - With TN data and expertise
 - Within one year
 - Funded with MCH Block Grant funds and Medicaid Infant Mortality/Women's Health grant

RESEARCH TOPICS

- Development of a predictive model for NAS
- Barriers to contraception in women attending substance abuse programs
- Optimal management of the pregnant woman taking opioids
- Understanding and improving
 provider knowledge and behavior
- Understanding optimal management of the infant with NAS

http://www.tn.gov/health/article/nasresearch-projects

