

Crack Cocaine

Many Voices One Vision 2007

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Presentation Objectives

Participants at the end should:

- Have an understanding of what crack cocaine is**
- Be aware of how crack is used**
- Know the trends of crack use in Indiana**
- Know the trends of crack use in the US**
- Increased understanding risks associated with crack use**

Crack

- ❖ **Crack is cocaine that has been processed from cocaine hydrochloride to a free base for smoking.**
- ❖ **Crack cocaine is processed with ammonia or sodium bicarbonate (baking soda) and water.**
- ❖ **It is then heated to remove the hydrochloride producing a form of cocaine that can be smoked.**

Crack

- ❖ Crack cocaine is a highly addictive stimulant of the central nervous system.
- ❖ The name “crack” comes from the noise it makes when being smoked.



Crack's Physical Effects

Immediate

- ❖ Decreased Appetite
- ❖ Increased Body Temperature
- ❖ Increased Heart Rate
- ❖ Dilated Pupils
- ❖ Nausea/Vomiting

Long Term

- ❖ Violent Behavior
- ❖ Seizure and/or Stroke
- ❖ Kidney Failure

Crack's Physiological Effects

- ❖ **Increased Alertness**
- ❖ **Decreased Fatigue**
- ❖ **Increased Concentration**
- ❖ **Insomnia**
- ❖ **Increased Irritability**
- ❖ **Increased Psychosis**
- ❖ **Confused Behavior**
- ❖ **Increased Fear**
- ❖ **Extreme Paranoia**
- ❖ **Severe Anxiety Attacks**
- ❖ **Hallucinations (in extreme cases)**
- ❖ **Aggressive Behavior**

Crack Use

- ❖ **“Rocks” of crack cocaine are usually smoked in a pipe.**
- ❖ **The effects are felt immediately and last 5-15 minutes**



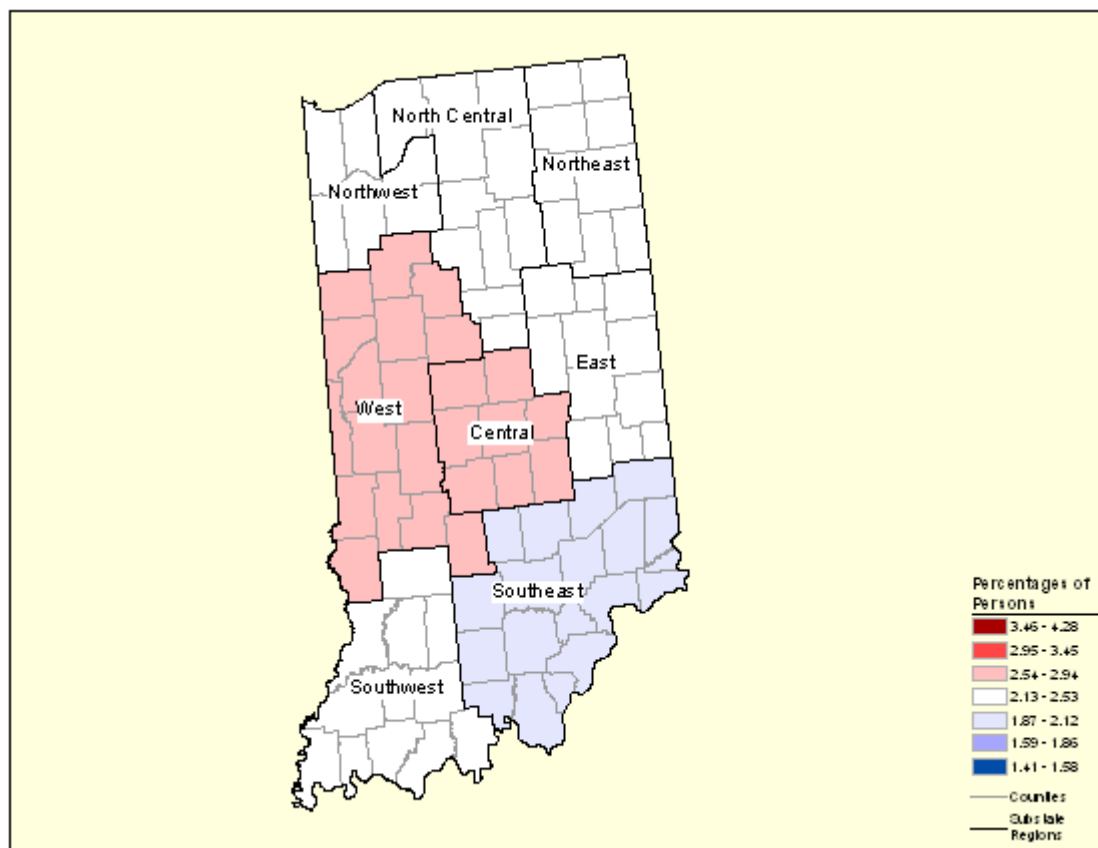
Indiana Trends

- ❖ **In 2005 Indiana had 4,531 admissions to substance abuse treatment facilities for cocaine use.**
- ❖ **3,579 of those admissions were for individuals who smoked cocaine.**
- ❖ **Smoked cocaine admissions were 9.6% of all Indiana substance abuse admissions in 2005.**

Treatment Episodes Data Set (TEDS) Highlights, 2005

Indiana Trends

COCAINE USE IN PAST YEAR AMONG PERSONS AGED 12 OR OLDER IN INDIANA, BY SUBSTATE REGION: PERCENTAGES, ANNUAL AVERAGES BASED ON 2002, 2003, AND 2004 NSDUHS



Indiana Trends

Percentage Reporting Lifetime Use of Crack Cocaine by Indiana 10th Grade Students: 1999-2006

1999	2000	2001	2002	2003	2004	2005	2006	Change	National 2005
4.1	3.4	3.9	3.5	3.7	3.8	3.8	3.4	-0.4*	2.5

Percentage Reporting Lifetime Use of Crack Cocaine by Indiana 12th Grade Students: 1999-2006

1999	2000	2001	2002	2003	2004	2005	2006	Change	National 2005
4.5	4.2	4.1	4.1	4.0	4.4	3.9	4.0	+ .1	3.5

* Statistically significant changes between 2005 and 2006 prevalence rates ($p < .05$).

IPRC ATOD Survey, 2006

National Trends

- ❖ **In 2005 58.3% of smoked cocaine admissions to substance abuse treatment facilities were male patients and 41.7% female.**
- ❖ **Of those admissions 38.4% were White (non-Hispanic), 51.9% were Black (non-Hispanic), and 7.5% were Hispanic.**

National Trends

Use of Cocaine in *Any Form* by Students, 2006

	8 th -Graders	10 th -Graders	12 th -Graders
Lifetime	3.4%	4.8%	8.5%
Past Year	2.0	3.2	5.7
Past Month	1.0	1.5	2.5

Monitoring the Future Survey, 2006

National Trends

Percent of Students Reporting Risk of Using Crack Cocaine, 2006

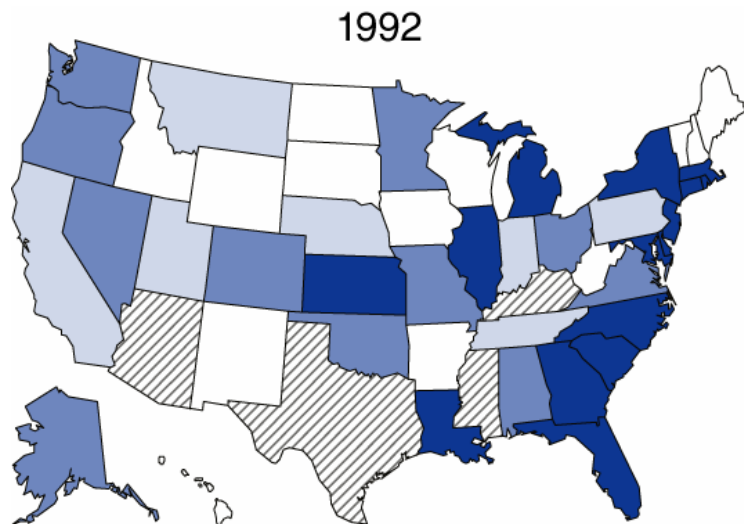
Say "great risk" to:	8th Grade	10th Grade	12th Grade
Try crack once/twice	47.6	56.6	47.8
Take crack occasionally	68.7	76.2	64.8

Percent of College Students/Young Adults Reporting Crack Use, 2004–2005

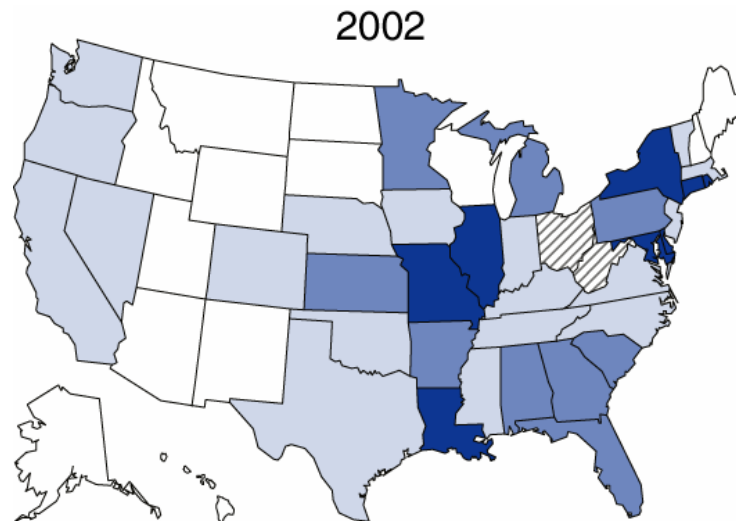
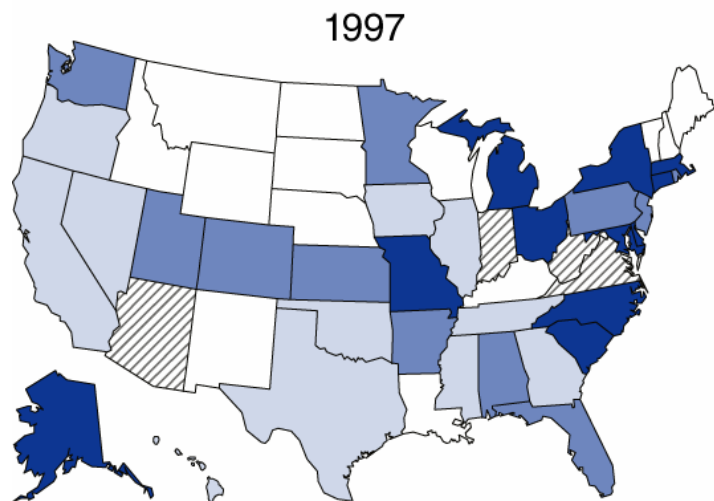
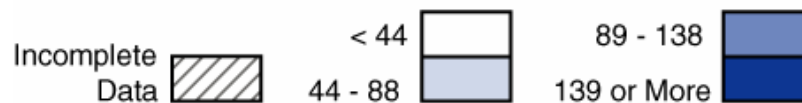
	College Students		Young Adults	
	2004	2005	2004	2005
Past month	0.4%	0.1%	0.3%	0.3%
Past year	1.3	0.8	1.3	1.2
Lifetime	2.0	1.7	4.2	4.1

National Trends

Cocaine Admissions Rates per 100,000 Population Aged 12 or Older: 1992, 1997, 2002



Admissions per 100,000 Aged 12 or Older



Cocaethylene

- ❖ **When cocaine and alcohol are used together the liver combines the two to create cocaethylene.**
- ❖ **Cocaethylene enhances cocaine's euphoric effects, and raises the risk of sudden death.**

Crack Use and Pregnancy

Use of crack cocaine by pregnant women can lead to...

- ❖ Increased incidence of still births**
- ❖ Increased incidence miscarriages**
- ❖ Premature labor and delivery**
- ❖ Babies exposed to cocaine experience painful and life threatening withdrawal, and are at an increase risk of seizures**

Crack Use and Pregnancy

- ❖ **Babies exposed to cocaine experience painful and life threatening withdrawal, and are at an increase risk of seizures.**
- ❖ **Women who use crack cocaine during pregnancy have been found to abuse other substances and not seek adequate prenatal care.**

Resources

The Indiana Prevention Resource Center's Survey on Alcohol, Tobacco, and Other Drug Use by Indiana Children and Adolescents; Data from 1999-2006.

<http://www.drugs.indiana.edu/survey/atod/index.html>

Treatment Episode Data Set (TEDS) Highlights – 2005 National Admissions to Substance Abuse Treatment Services.

<http://www.oas.samhsa.gov/teds2k5/tedshi2k5.pdf>

The Drug and Alcohol Services Information System Report
January 2005.

<http://www.oas.samhsa.gov/2k5/CocaineTX/CocaineTX.htm>

National Institute on Drug Abuse Monitoring the Future Survey,
2006.

<http://www.nida.nih.gov/index.html>

Thank You !

www.drugs.indiana.edu



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