

# **Outcomes of cocaine dependence treatment: what we know, what we need to know**

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# Major National Treatment Outcome Studies

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**DARP** (Simpson and Sells, Texas)

**TOPS** (Hubbard et al., N.Carolina)

**DATOS** (Multicentre, USA)

**NTORS** (Gossop et al., London)

# DARP, TOPS, DATOS & NTORS

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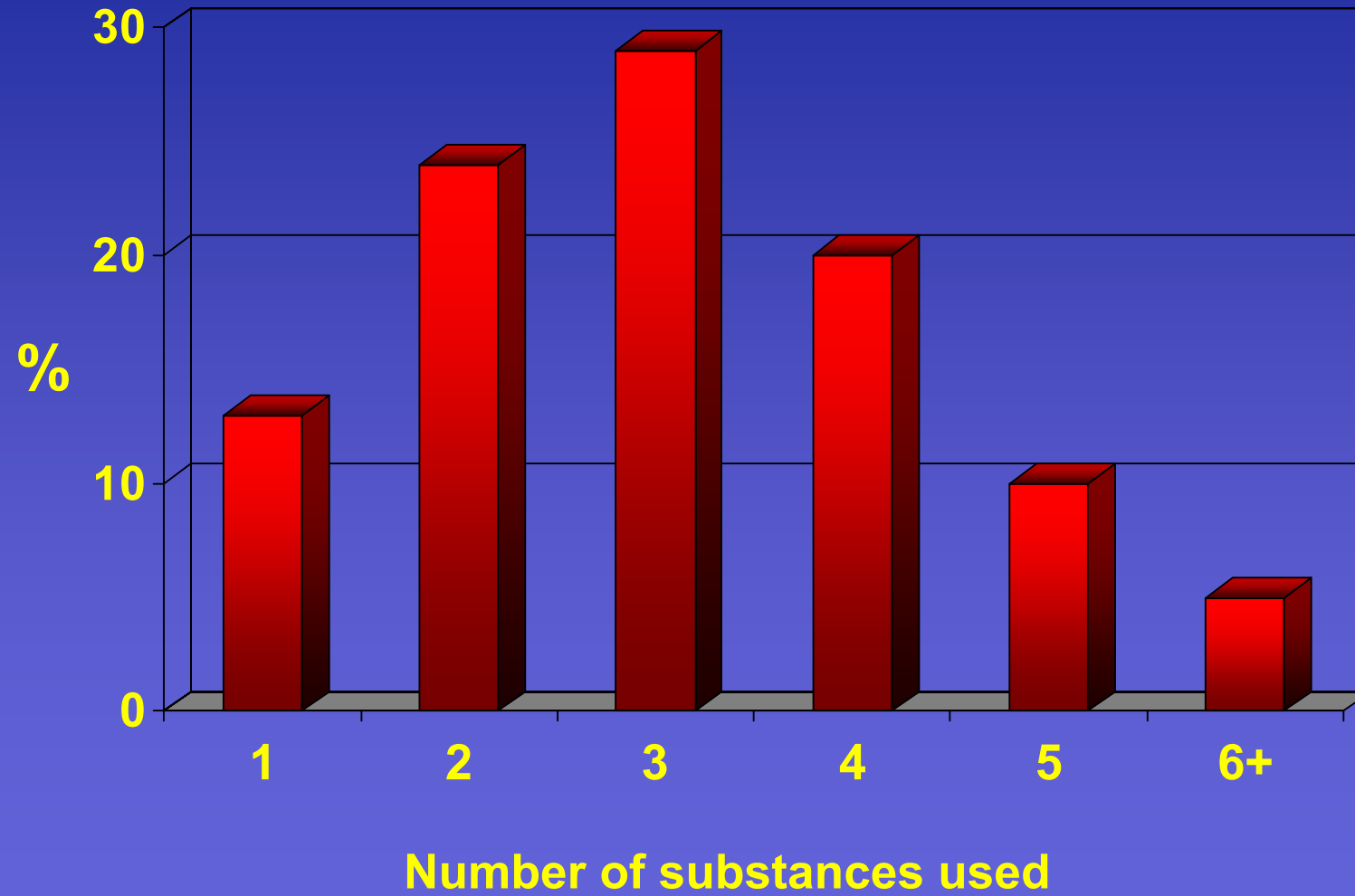
- Longitudinal studies of outcomes
- Drug users admitted to treatment
- Multi-site studies
- Existing services in day-to-day conditions

# THREE DIMENSIONS OF DRUG USE

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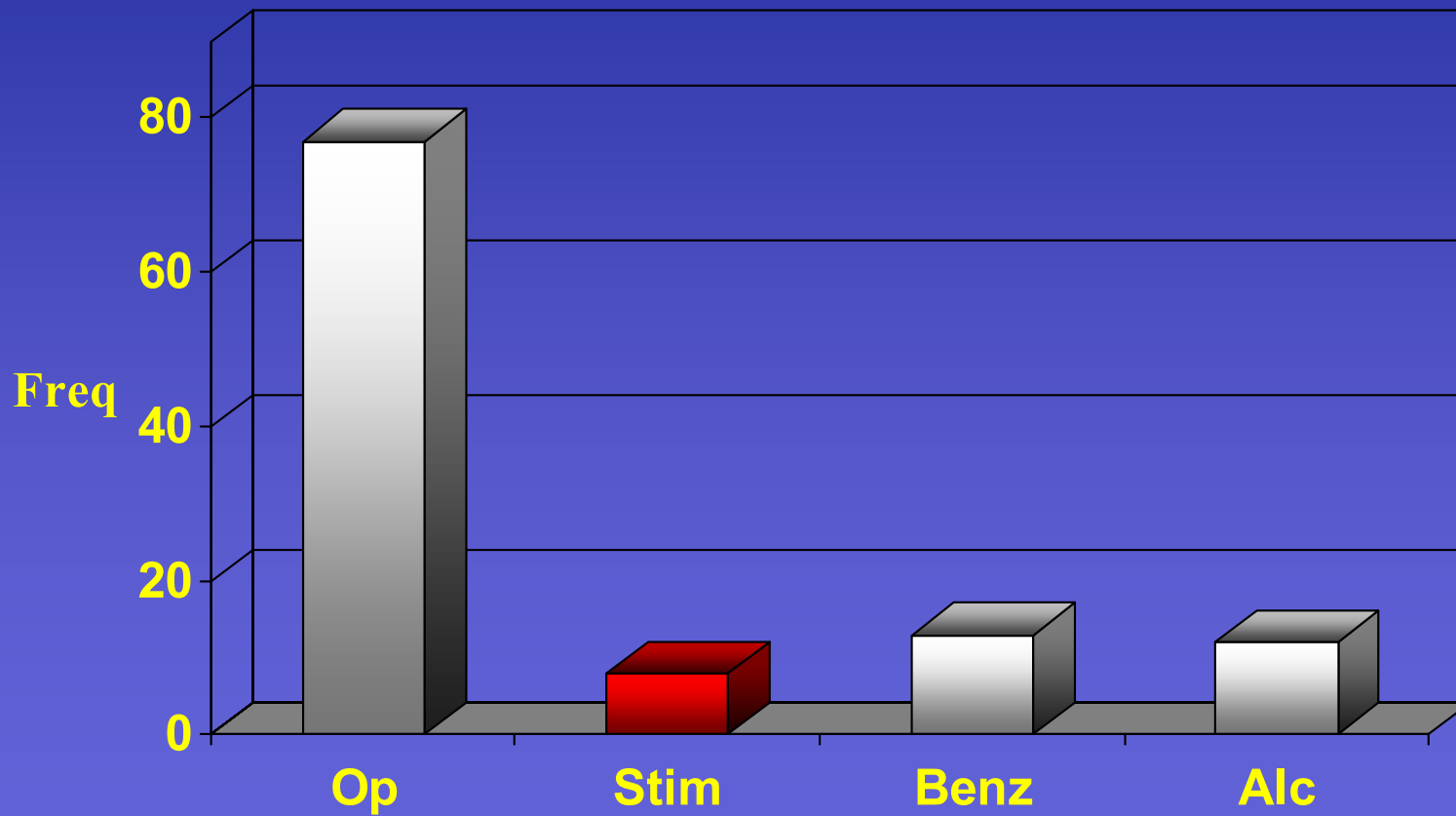
- **Consumption behaviour**
- **Problems**
- **Dependence**

## Multiple substance use prior to treatment



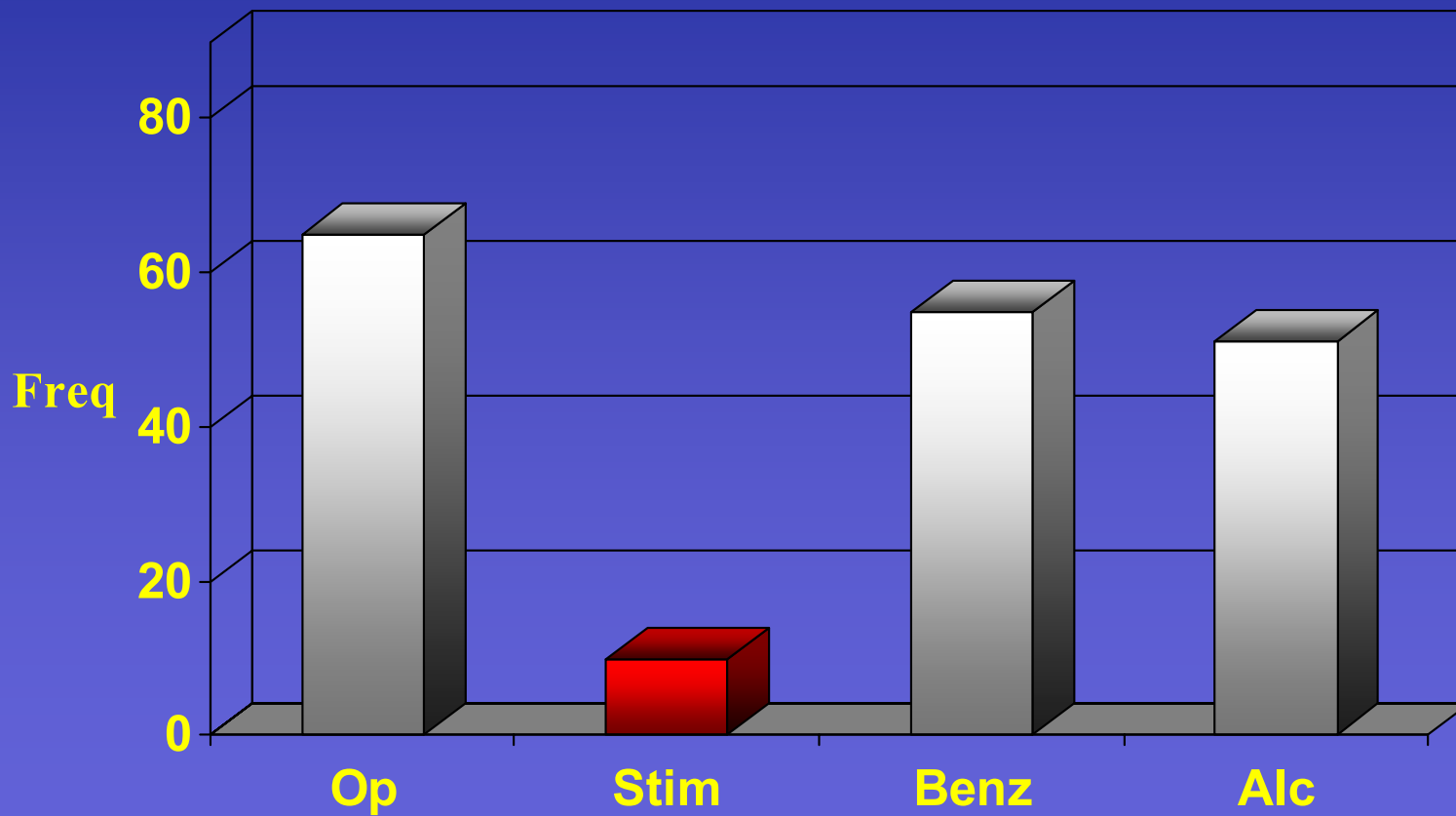
## Patterns of multiple drug misuse: I. Frequency of use prior to treatment.

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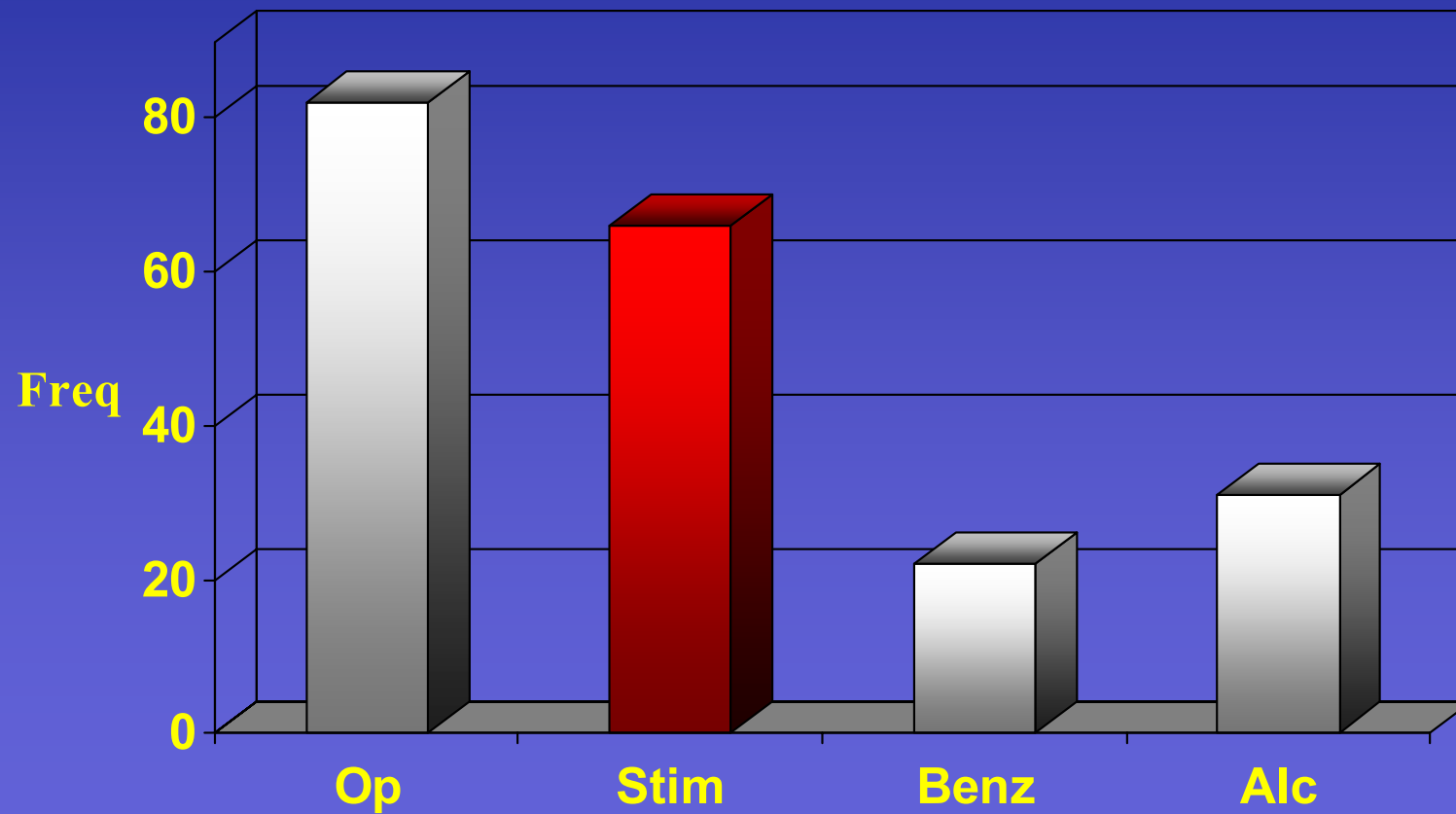
## Patterns of multiple drug misuse: II. Frequency of use prior to treatment.

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## Patterns of multiple drug misuse: III. Frequency of use prior to treatment.

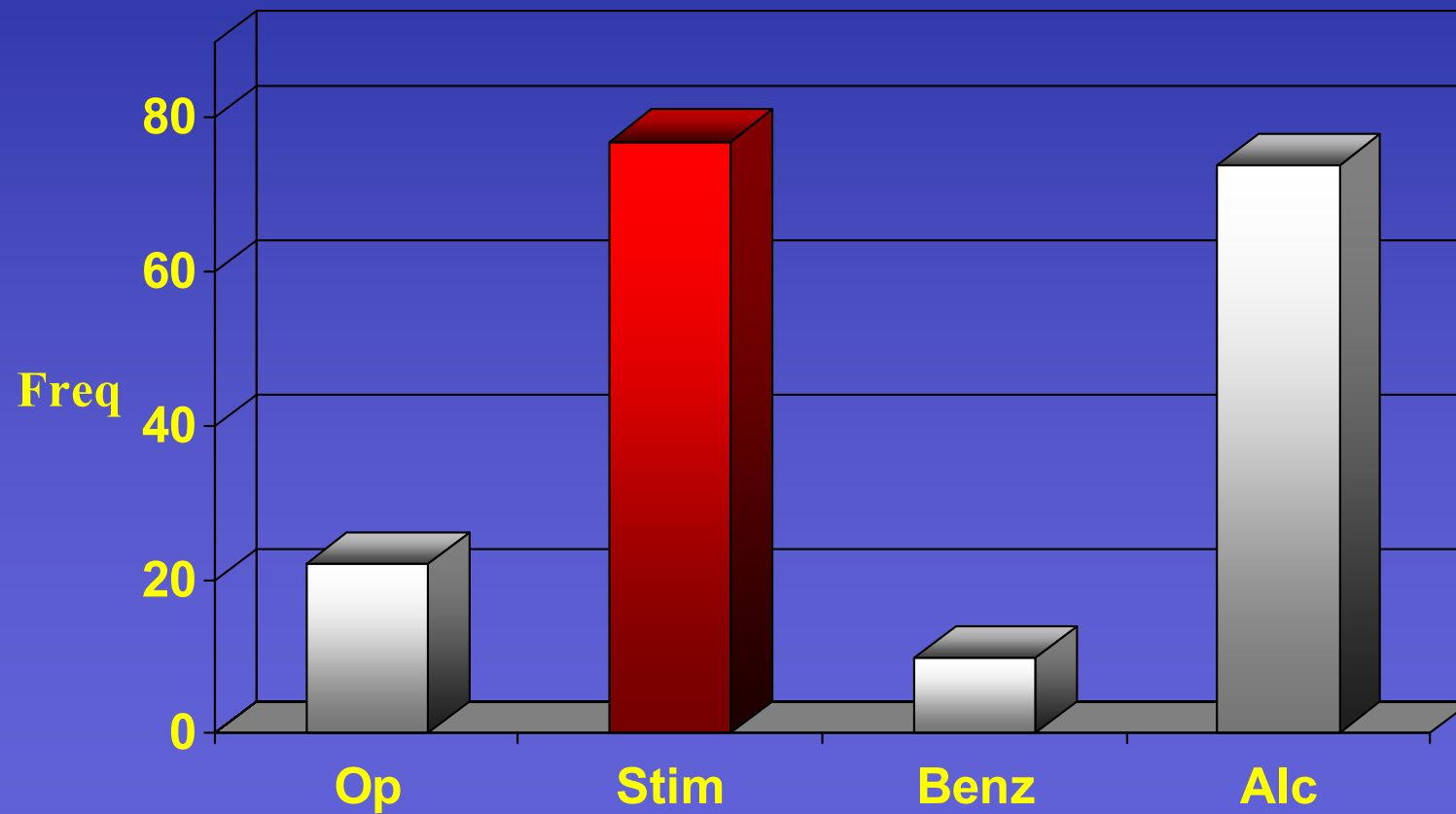
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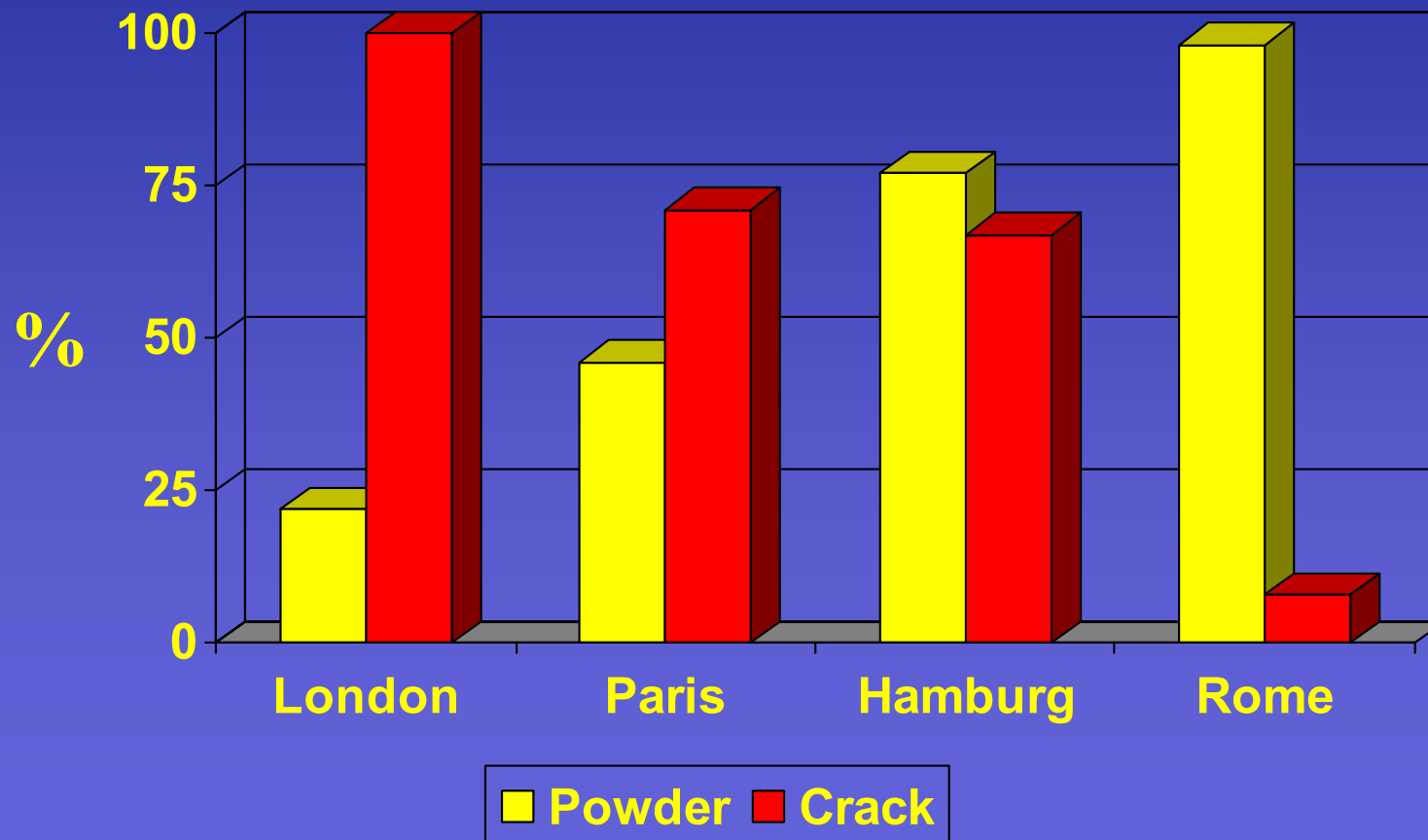
## Patterns of multiple drug misuse: IV. Frequency of use prior to treatment.

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## Cocaine powder and crack cocaine use: treatment samples in England, Germany and Italy

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Prinzleve et al., 2004

# Casemix issues

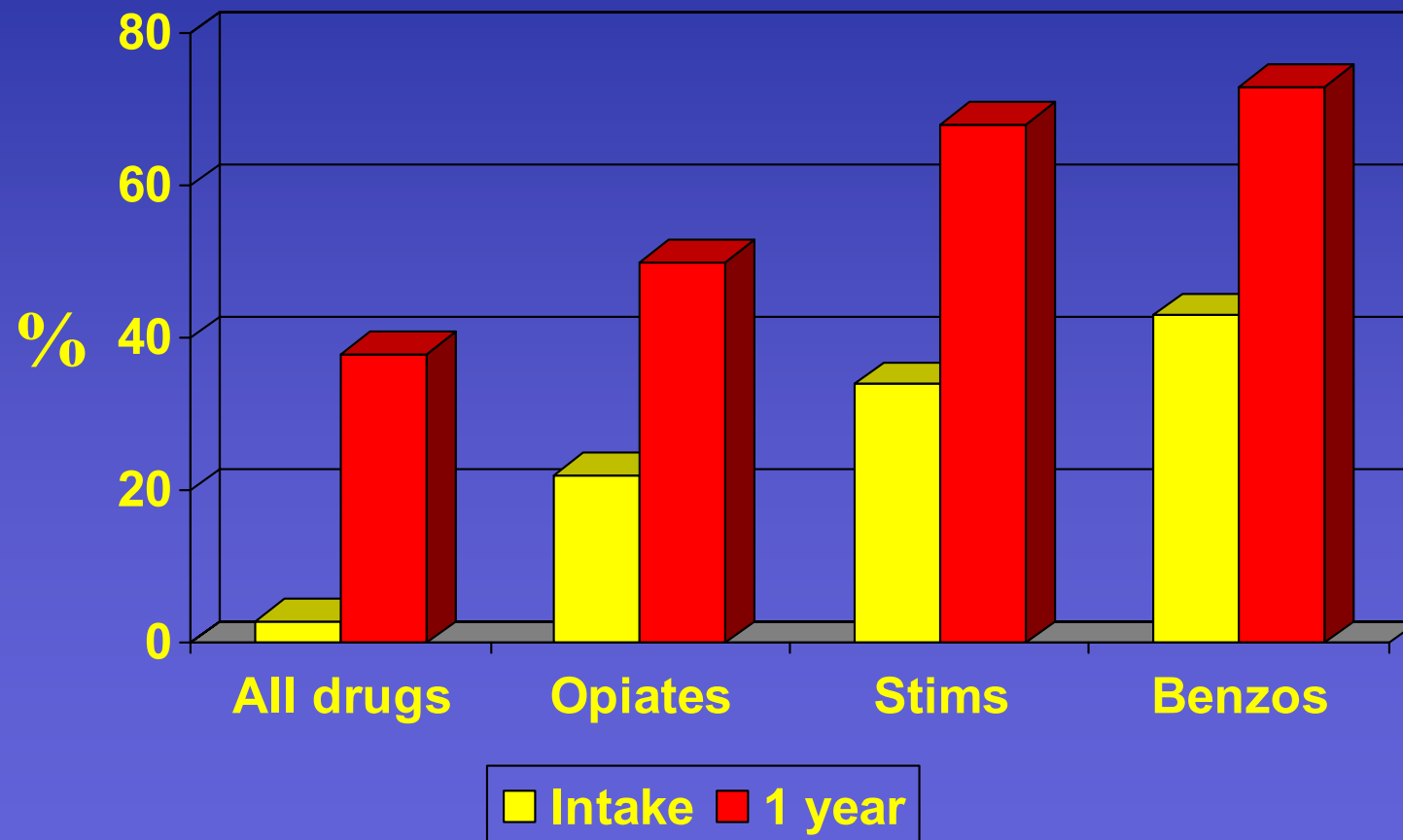
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**Drug misusers in residential treatment tend to have:**

- **Longer histories of drug use**
- **More polydrug use (eg cocaine, alcohol)**
- **Wider range of problems**
- **More serious problems**
- **More criminal involvement**

## Abstinence from drugs after residential treatment (1 year follow-up: n=408)

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Gossop et al., 1999

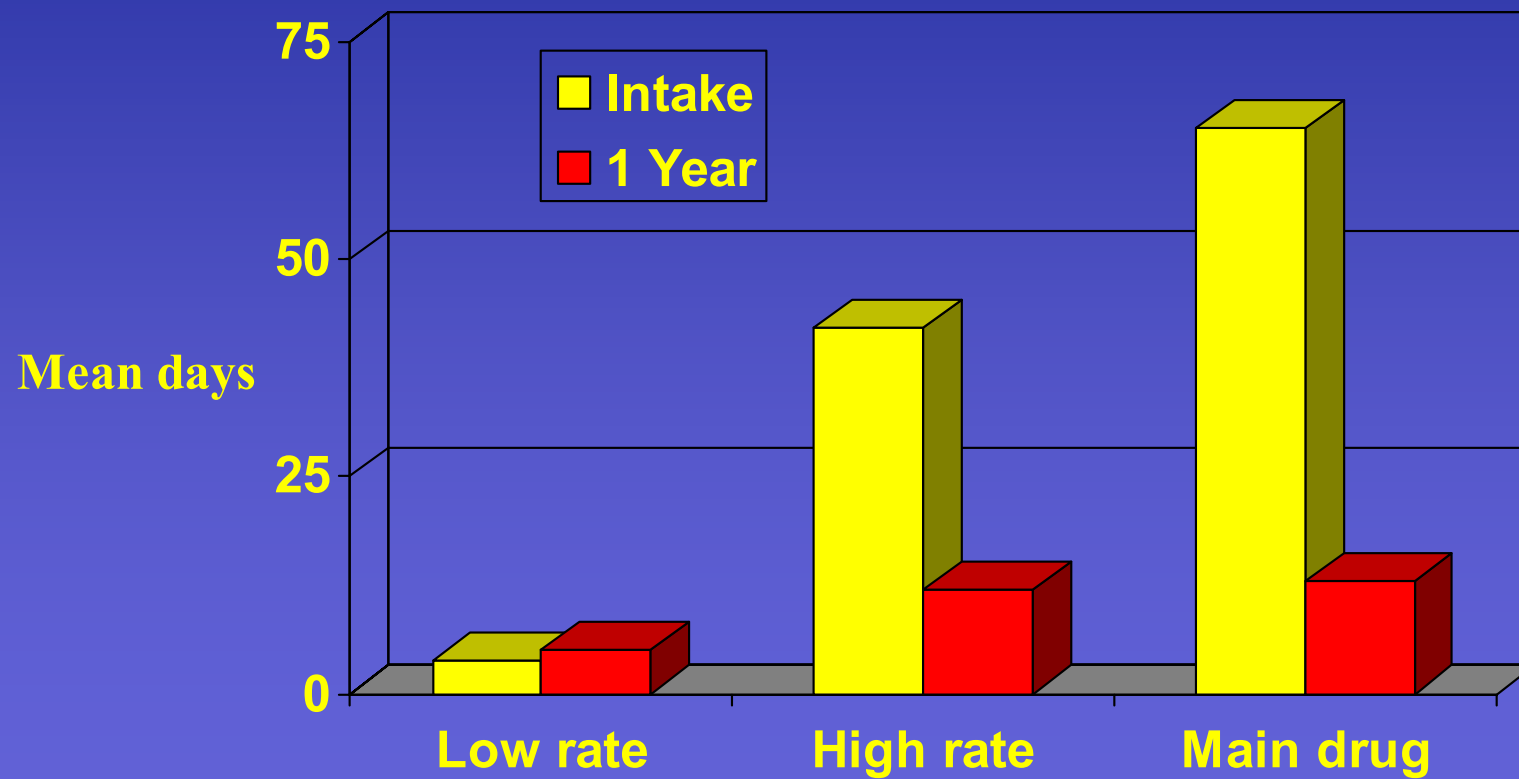
## Stimulant use at intake (n=637)

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	Treatment Modality	
	<u>Residential</u>	<u>Methadone</u>
Used amphetamines	46%	37%
Used cocaine powder	34%	26%
Used crack cocaine	52%	65%
Stimulants as main drug	25%	3%

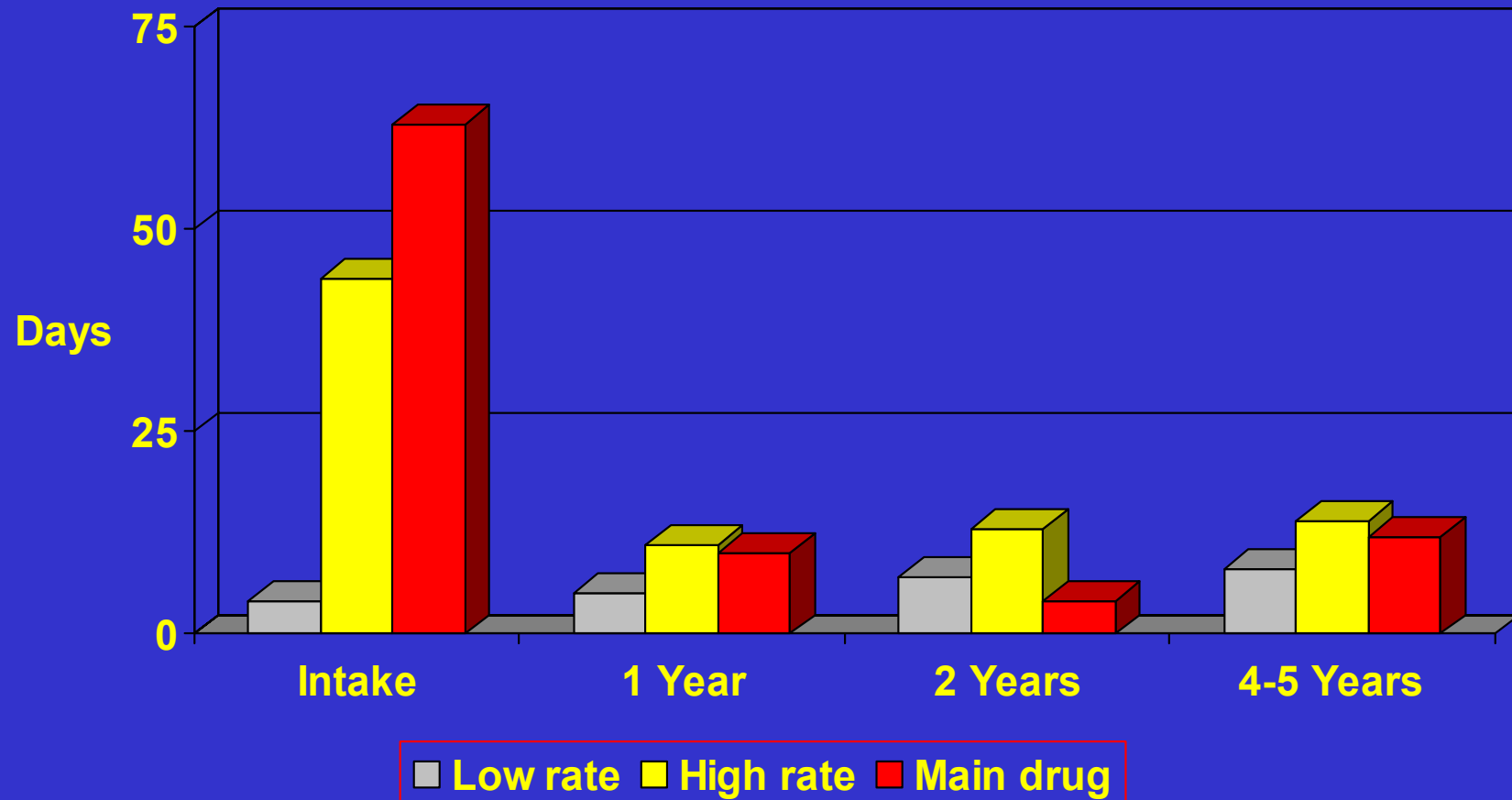
# Frequency of stimulant use 1 year after treatment

(n=637)



# Frequency of stimulant use during 5 years after treatment

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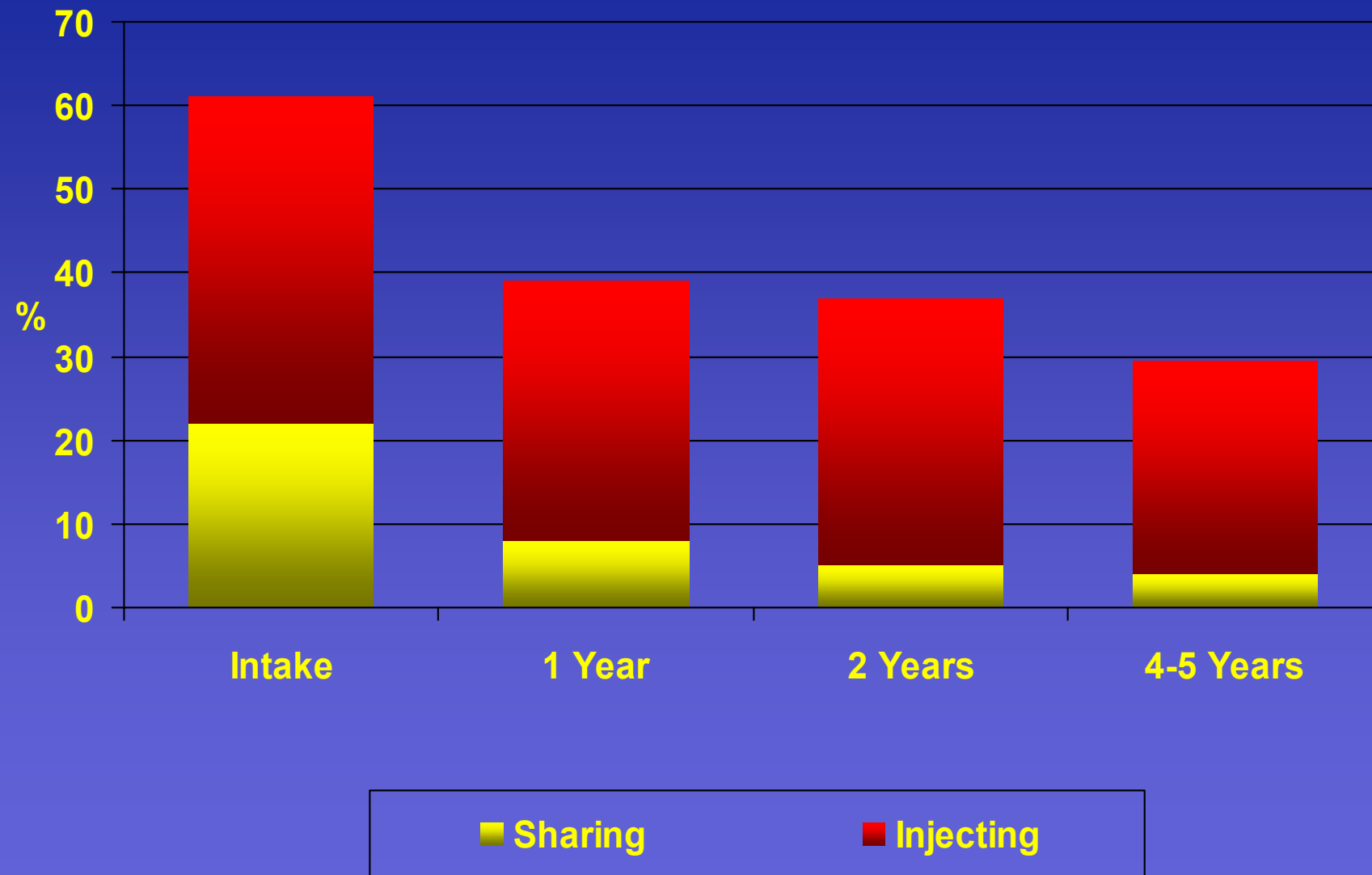
# Route of administration and drug type

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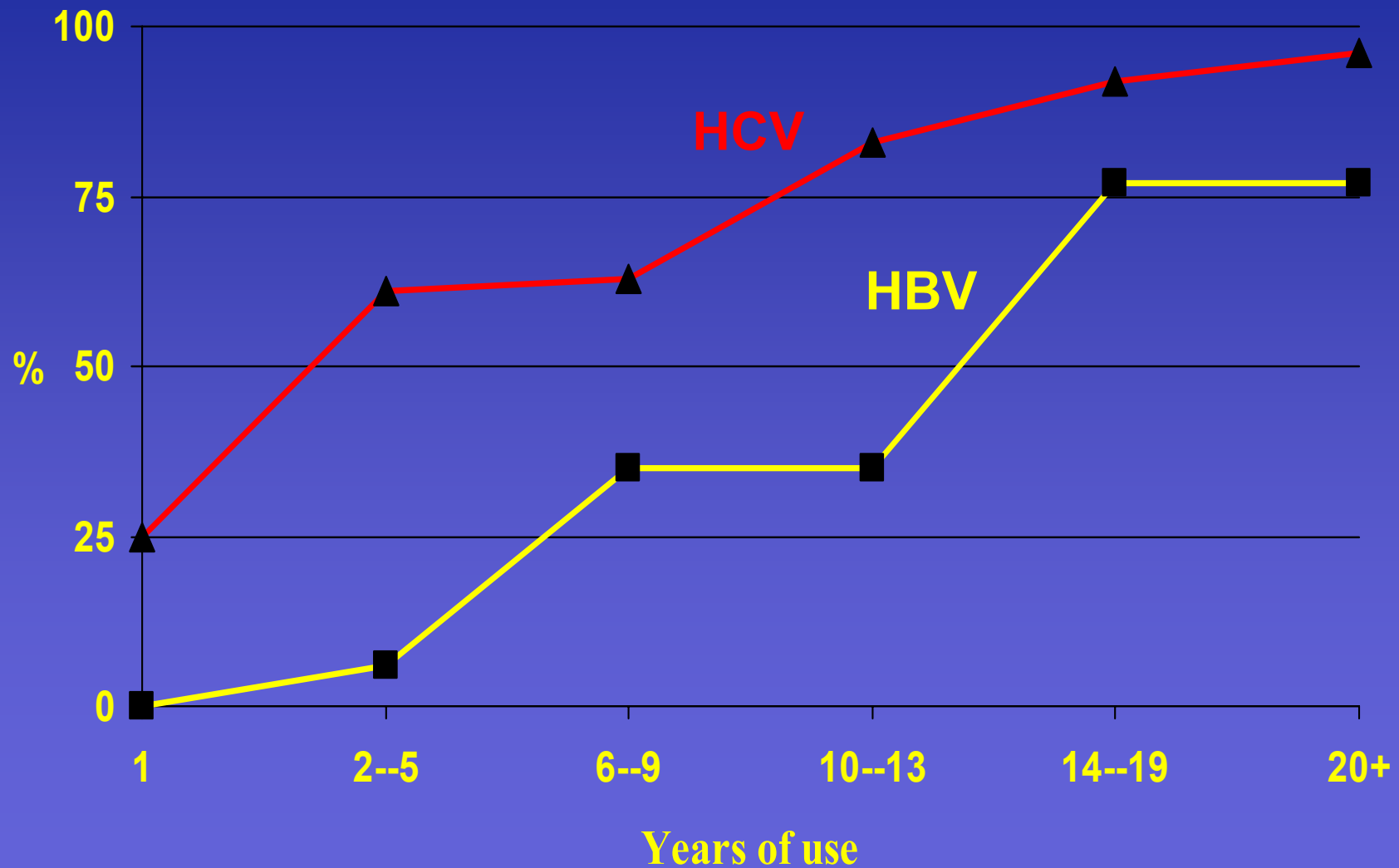
	Cocaine powder	Crack
Intranasal	✓	✗
Injection	✓	✓
Smoked	✗	✓



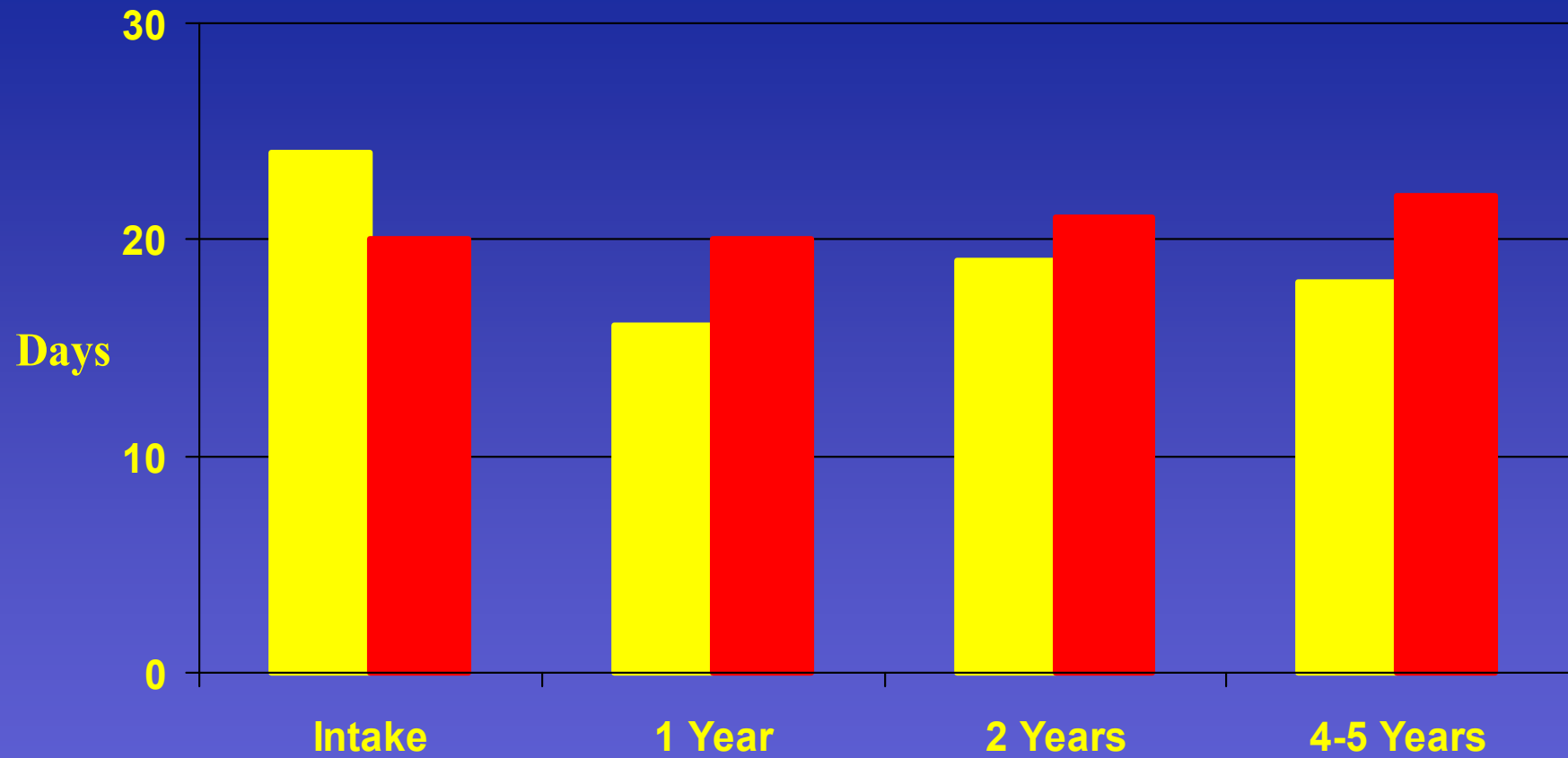
## Injecting and sharing before & after residential treatment



# Years since 1st injection and positive hepatitis serostatus (Noble et al.,2000)



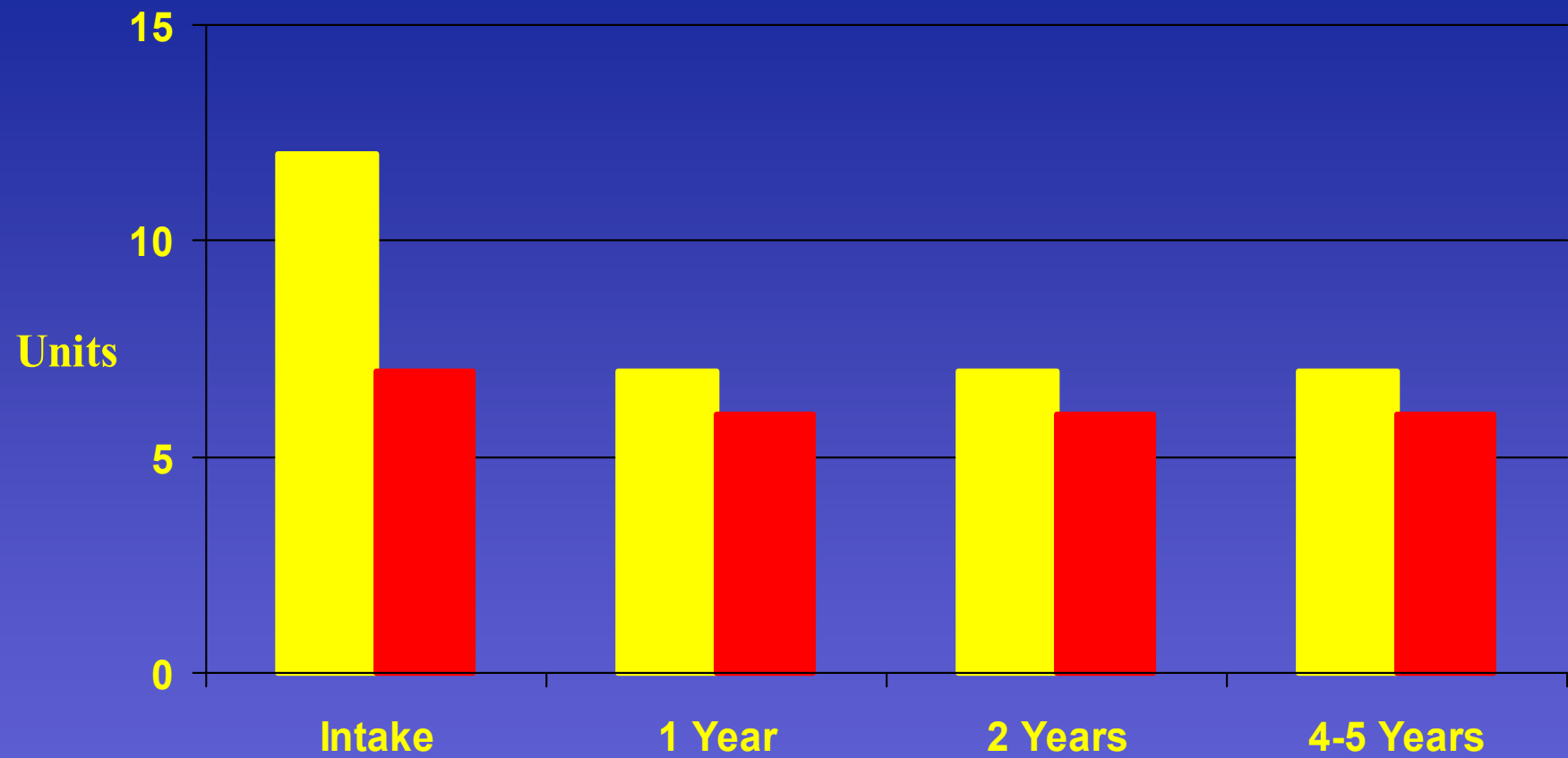
# Alcohol: frequency of drinking



■ Residential\*

■ Community

# Alcohol: drinking quantity/day

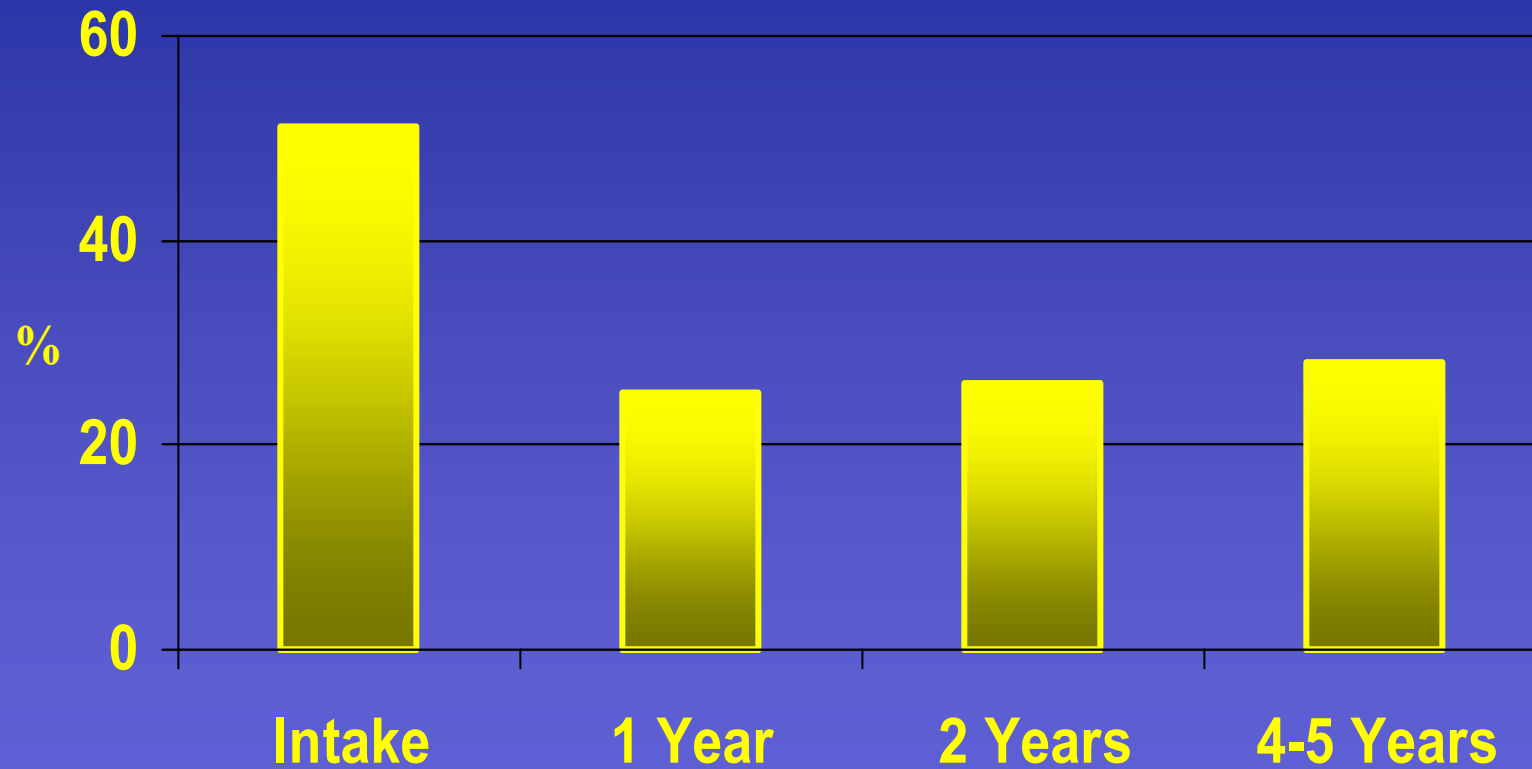


■ Residential\*

■ Community

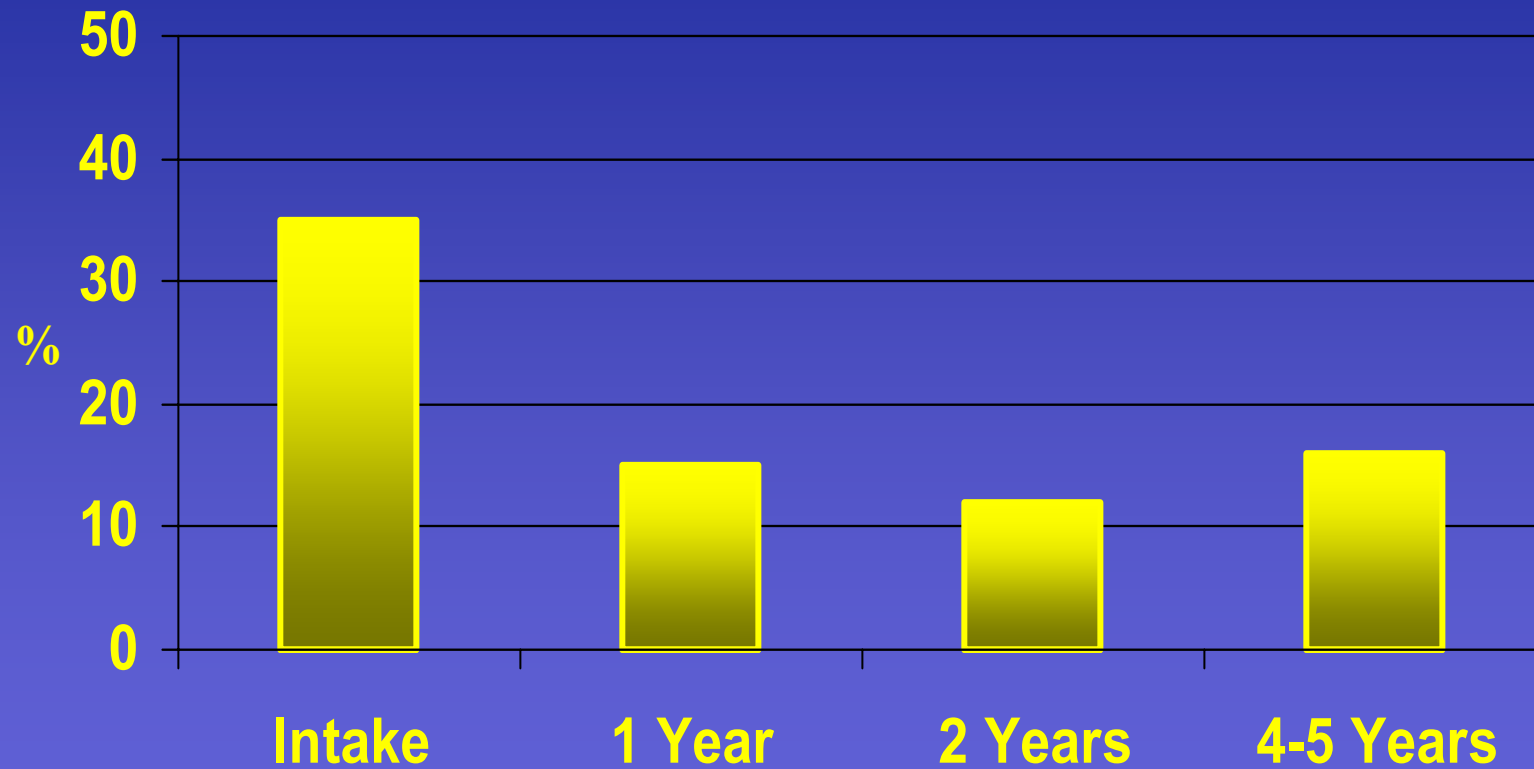
## Acquisitive crime: outcomes for residential clients

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## Selling drugs: outcomes for residential clients

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# Summary and recommendations

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- **Single-substance focus is out-dated and misleading**
- **Substantial reductions in illicit drug use after treatment**
- **Reductions in injecting risk behaviour**
- **Reductions in crime**
- **Relatively little change in drinking problems**

# Summary and recommendations

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- Little is known about impact of multiple treatment episodes or about effective patient placement
- Time in treatment linked to better outcomes for both methadone and residential treatments
- Improved treatment effectiveness through improved rates of retention?