# Population exposure to marijuana and illicit drugs is increasing while exposure to prescription pain relievers is decreasing in the United States

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## Introduction

- The number of individuals using drugs and the number of days using both contribute to the overall exposure of the national population to drug use risks.
- Combining both metrics into person-days of exposure provides a more meaingful metric of exposure to drug use risks.
- This study quantifies the change in person-days of exposure by examining the National Survey on Drug Use and Health (NSDUH).

## Methods

- NSDUH is a probability based, national survey on drug use
- Approximately 70,000 individuals aged 12 and older are sampled via address-based sampling in the 50 US states and District of Columbia
- Complex survey design and non-response weighting used to create nationally representative estimates
- Analyzed marijuana use, recreational drug use, and prescription drug misuse, including specific drugs
- Calculated weighted estimates of:
  - -Number of persons using in the past month
  - -Median number of days using in a month
  - -Past month person-days of exposure (persons x days)

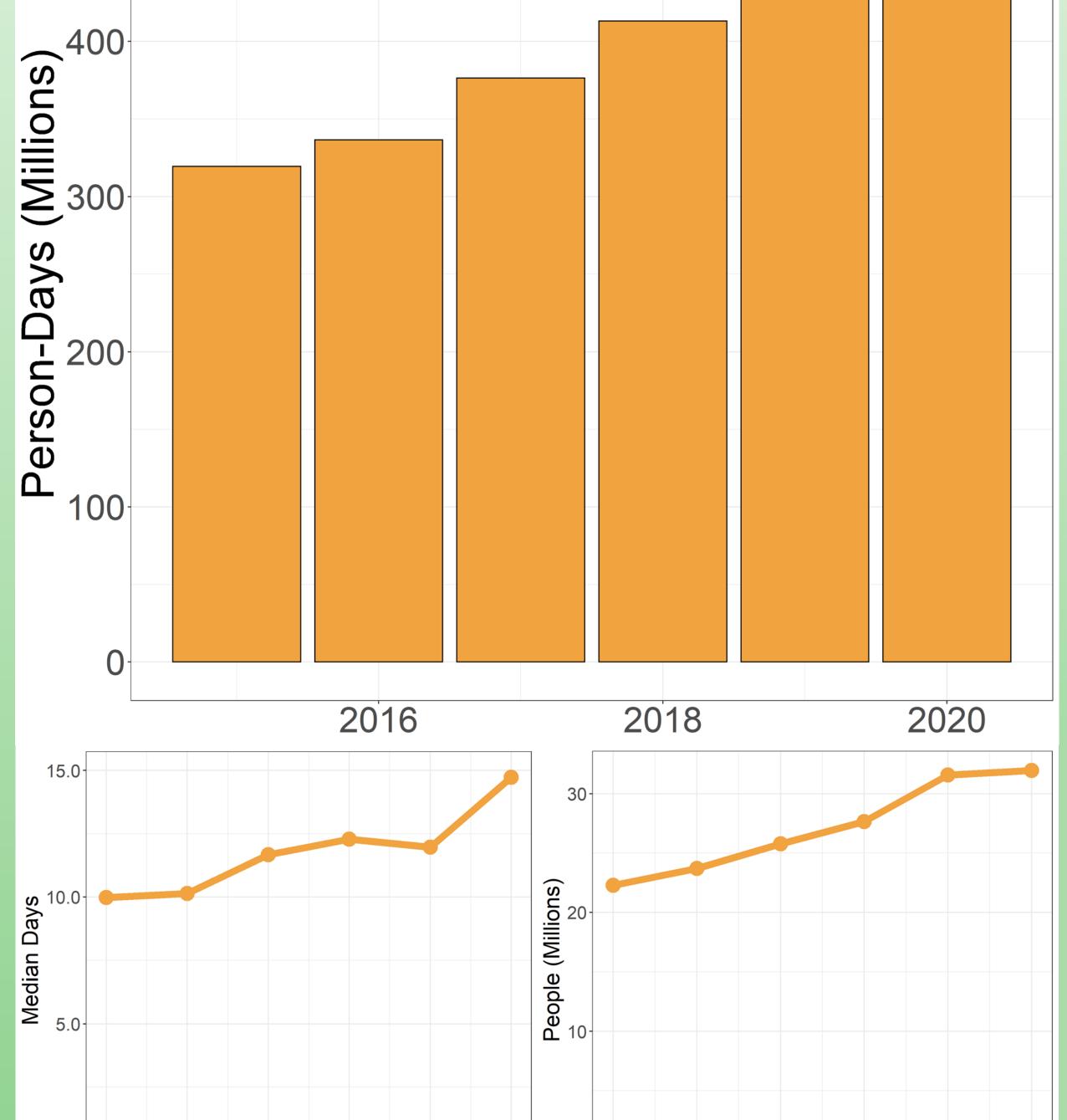
## Results

#### Demographics in 2020

%	Marijuana	Recreational	Prescription
<u>Gender</u>			
Male	54.9	61.0	47.4
Female	45.1	39.0	52.6
Age Category			
12-17	4.6	3.7	2.9
18-25	24.5	20.1	15.4
26-34	23.2	26.0	21.1
35+	47.8	50.3	60.5
Race & Ethnicity <sup>†</sup>			
NH White	65.5	68.4	72.7
NH Black	14.4	10.1	7.4
NH AI/AN	1.2	1.2	1.3
NH NH/PI	0.1	<0.1	0.1
NH Asian	2.2	1.0	2.7
NH Multiracial	3.3	5.0	1.3
Hispanic	13.4	14.3	14.5
<u>Urbanicity</u>			
Large Metro	54.0	58.0	52.2
Small Metro	32.3	32.4	37.1
Nonmetro	13.7	9.6	10.7

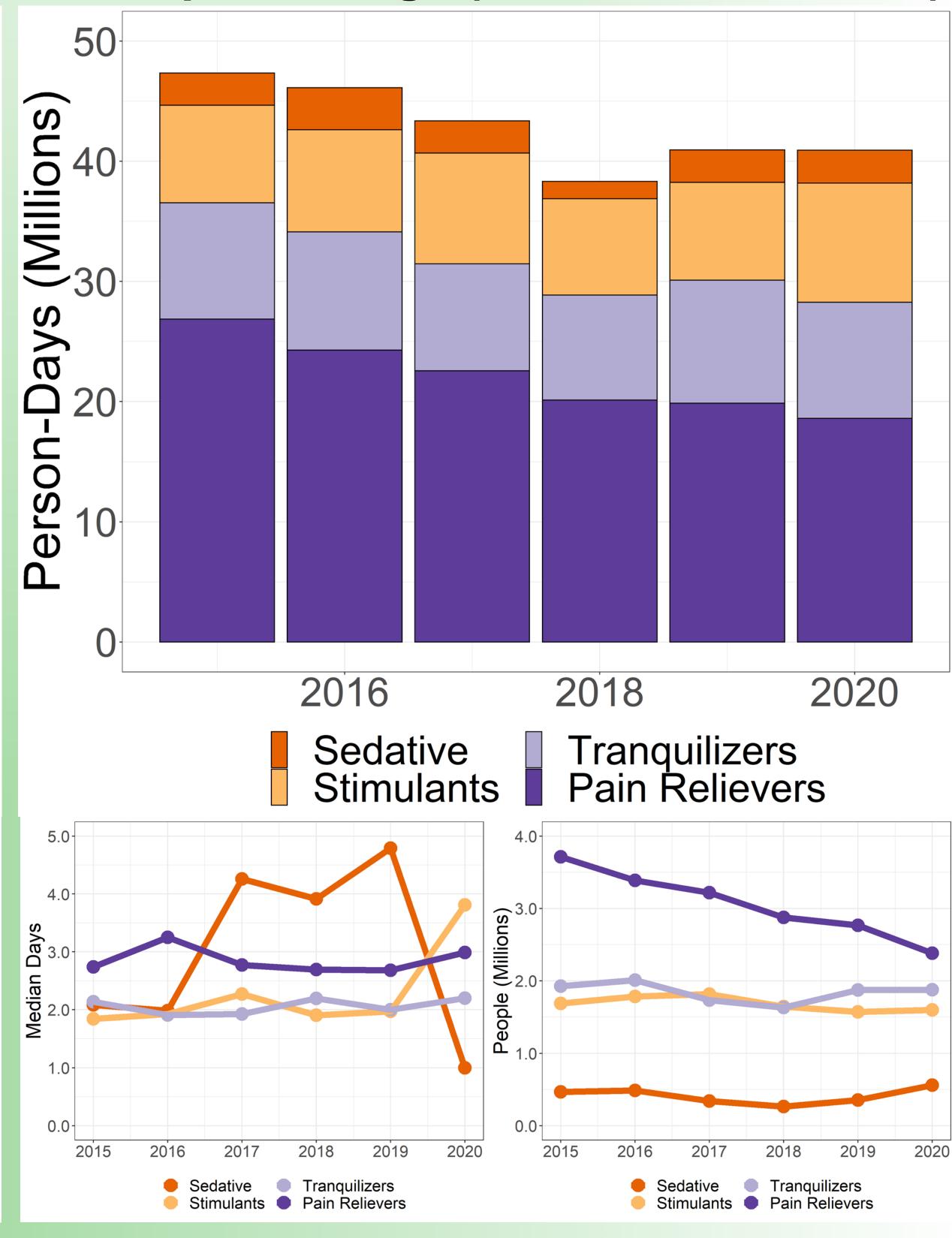
# Results (cont.)

# Marijuana (Past Month) 500 200 100

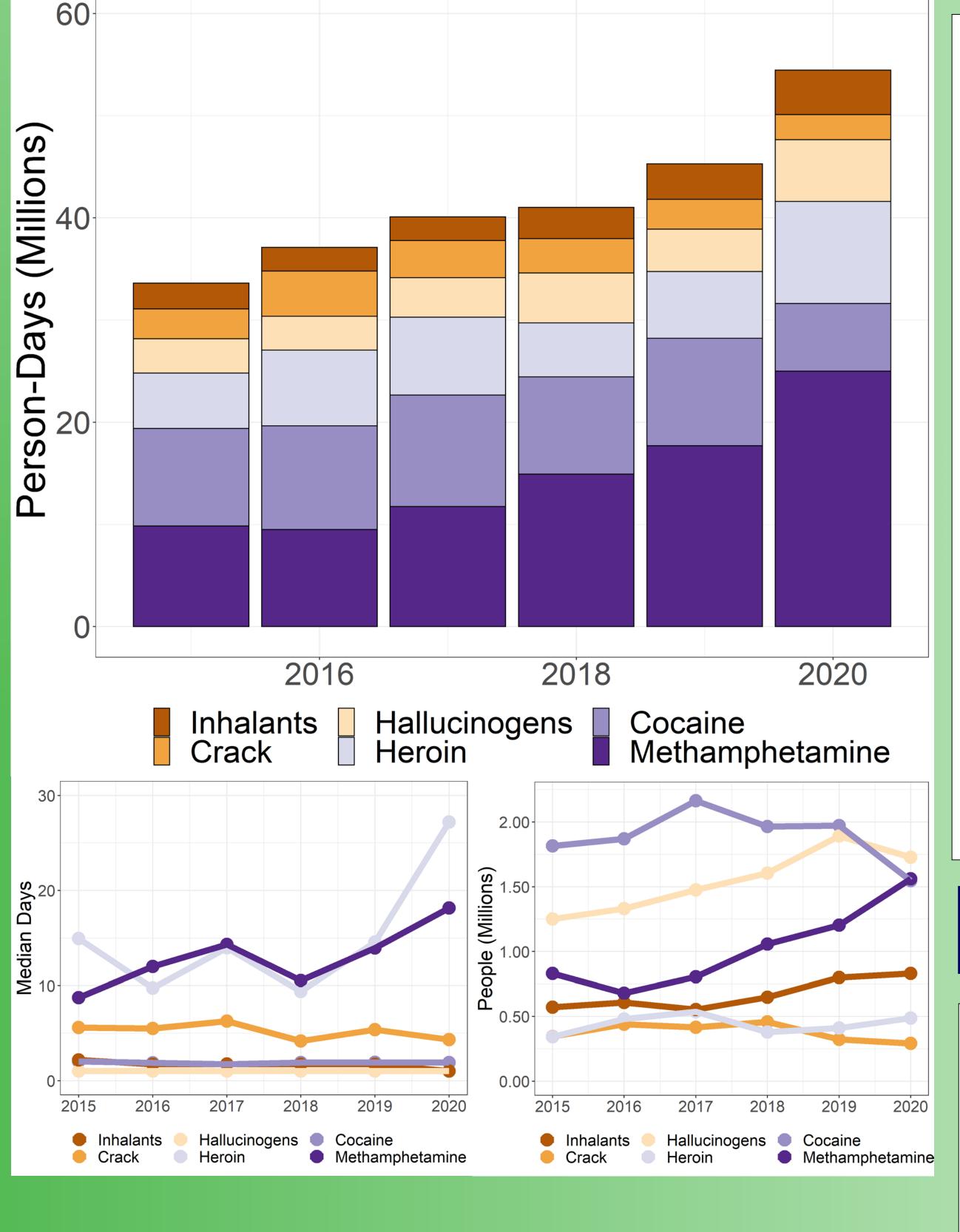


# Results (cont.)

# Prescription Drugs (Misuse, Past Month)



## Recreational Drugs (Past Month)



†Race & ethnicity was defined using Office of Management and Budget Standards NH: Non-Hispanic Al/AN: American Indian or Alaskan Native

NH/PI: Native Hawaiian or Pacific Islander

# Conclusions

Exposure to marijuana and recreational drugs have risen substantially.

- Growth in marijuana exposure is from both more people and more days of use
- Exposure to recreational drugs has varying underlying factors
- Sharp increase in days of misuse of sedatives
- Steady decline in people misusing pain relievers

Factors driving exposure to drugs have shifted toward marijuana, recreational stimulants, and possibly Rx sedatives.

## Limitations

- Data from 2020 interpreted cautiously, due to lack of 2Q & 3Q respondents
  - -Abrupt change in 2020 Rx days of use likely indicates seasonality
- Health outcomes not analyzed







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