

Prescription Monitoring Research Update

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THCI Program in Opioid Risk Management: Mission

To address challenges in the development and utilization of opioid analgesics, by engaging a multidisciplinary group of stakeholders focused on optimizing the benefits of opioids for pain management, and minimizing their risks, including abuse and diversion

DEATH

THERAPEUTIC
ACCESS

CRIME

INITIATION OF
DRUG USE

Prescription
Opioid Abuse

TEENAGE
SUICIDE

ABUSE &
ADDICTION

ECONOMIC
COST

NON-FATAL
POISONINGS

Public Health Goals of Prescription Monitoring

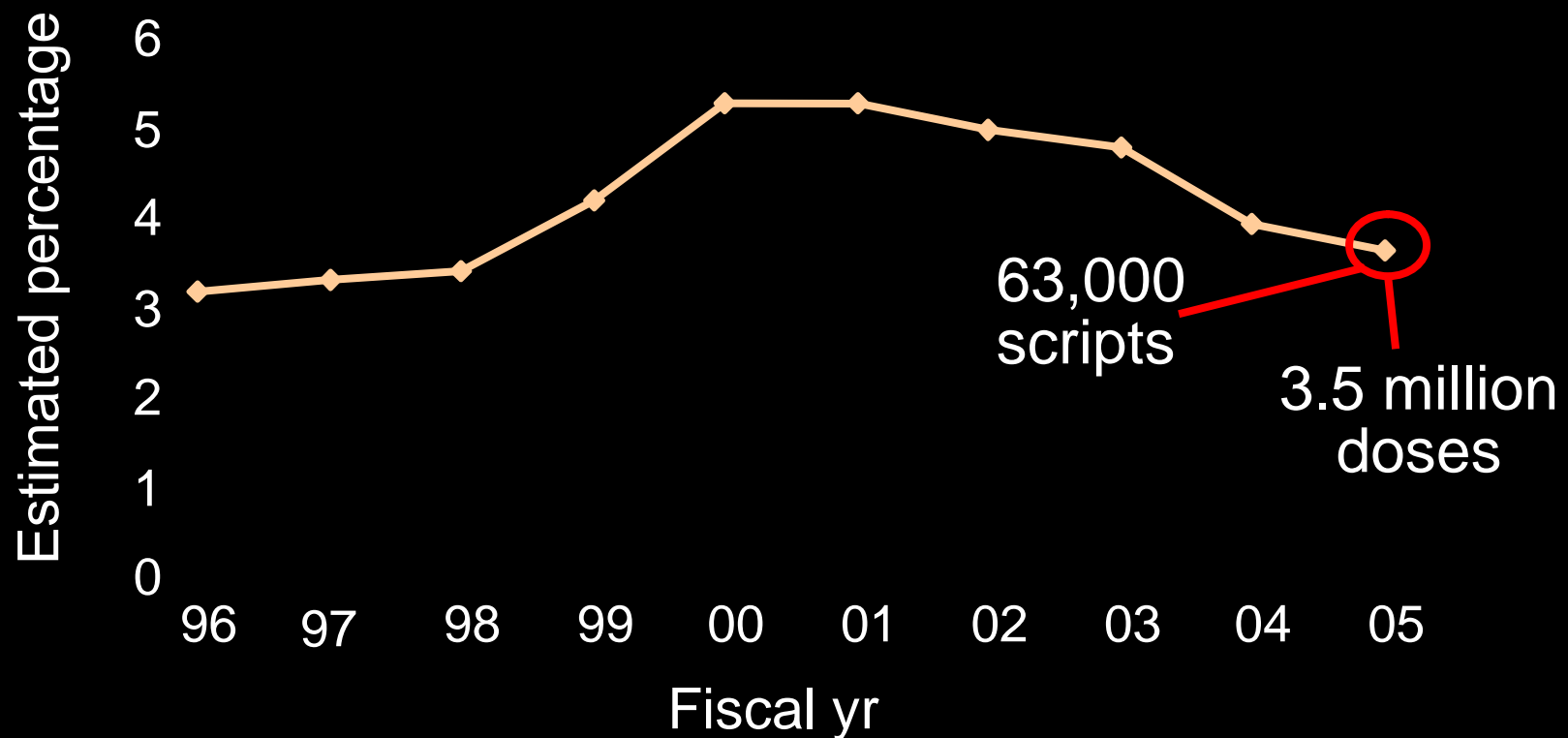
- Identify individuals at risk for drug abuse and addiction
- Identify activities suggestive of diversion, by identifying aberrant patterns in prescription data
 - Patient level: Doctor or pharmacy shopping
 - Prescriber level: Inappropriate or criminal prescribing

How common is prescription opioid abuse and addiction?

- General population
 - Past year non-medical use: 11 million
 - Meet DSM criteria for “abuse” or “addiction”: 1.6 million (about 0.7% of US population)
- Chronic pain patients (prospective studies)
 - 5% (Adams 2006) to 32% (Ives 2006)

How common are the types
of diversion that can be
detected by prescription
monitoring?

Schedule II Opioid Rx Dispensed to Individuals Showing Questionable Activity*



*Questionable activity = obtained Schedule II opioid prescriptions from =4 pharmacies & =4 physicians during the specified yr

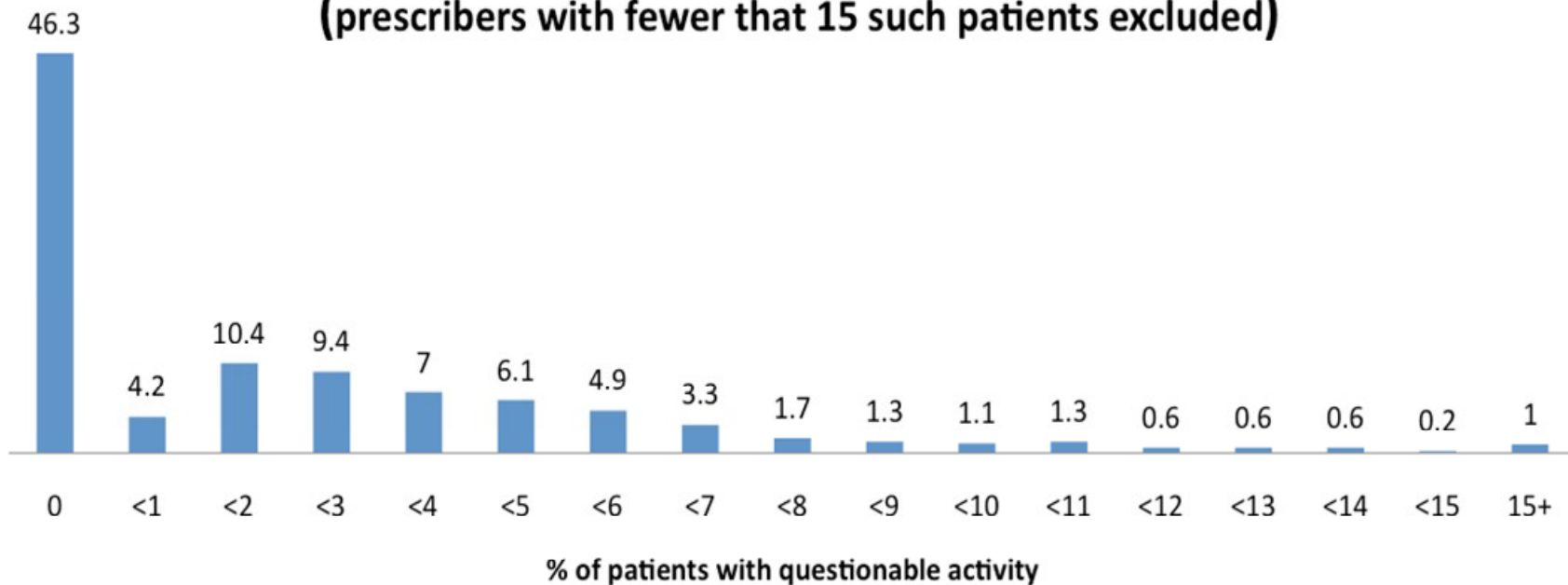
Criminal Prescribing: 1 case

- At yesterday's hearing in Boston, officials said, the board investigator presented evidence that Brown was the single leading prescriber of OxyContin in the entire state, with his prescriptions accounting for **288,859** of the 922,985 OxyContin tablets sold through pharmacies in 2004.
- For a 30-month period, Brown was the state's second largest prescriber of OxyContin

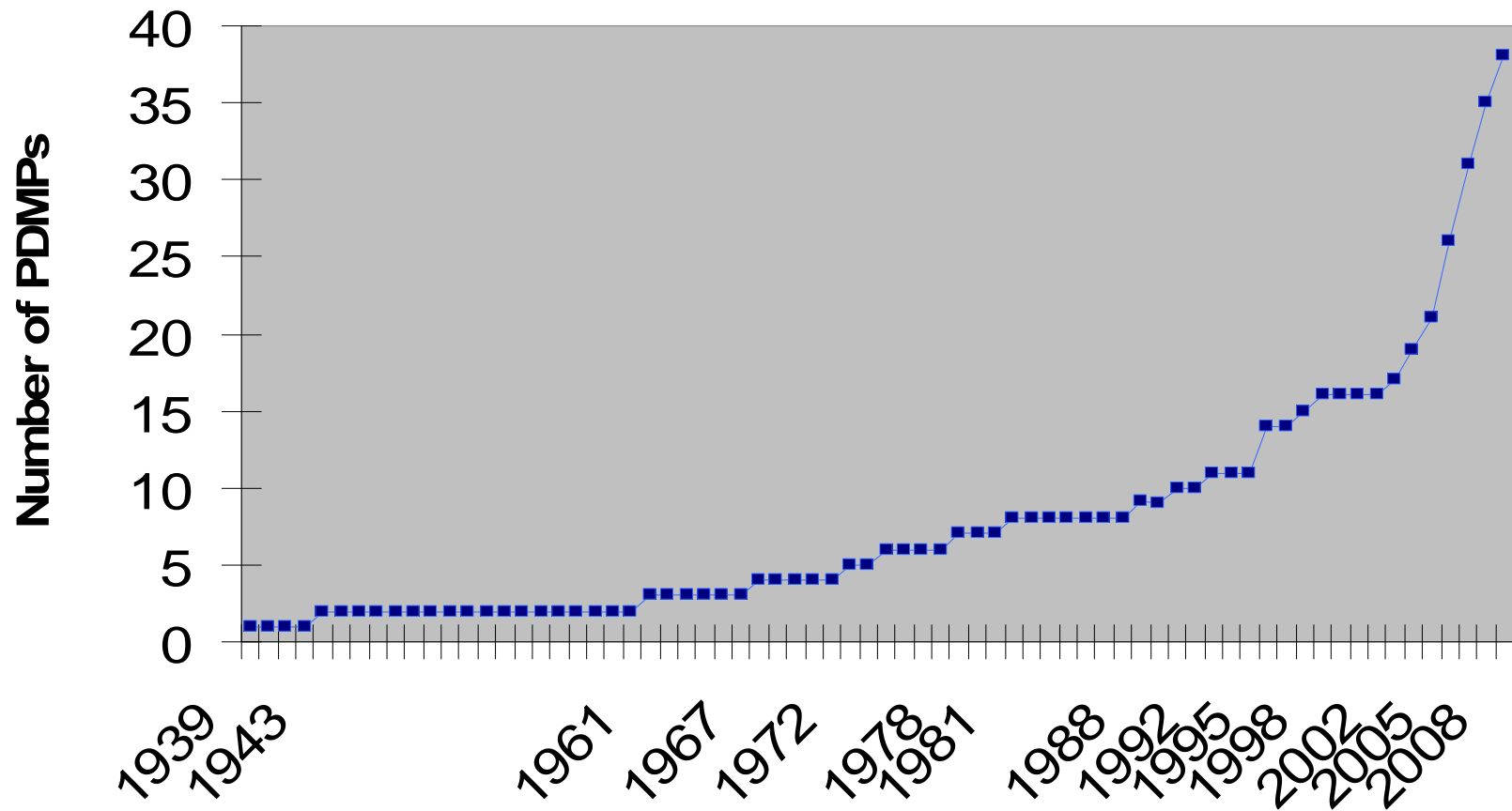


Prescribers by number of “doctor shoppers” in their practice

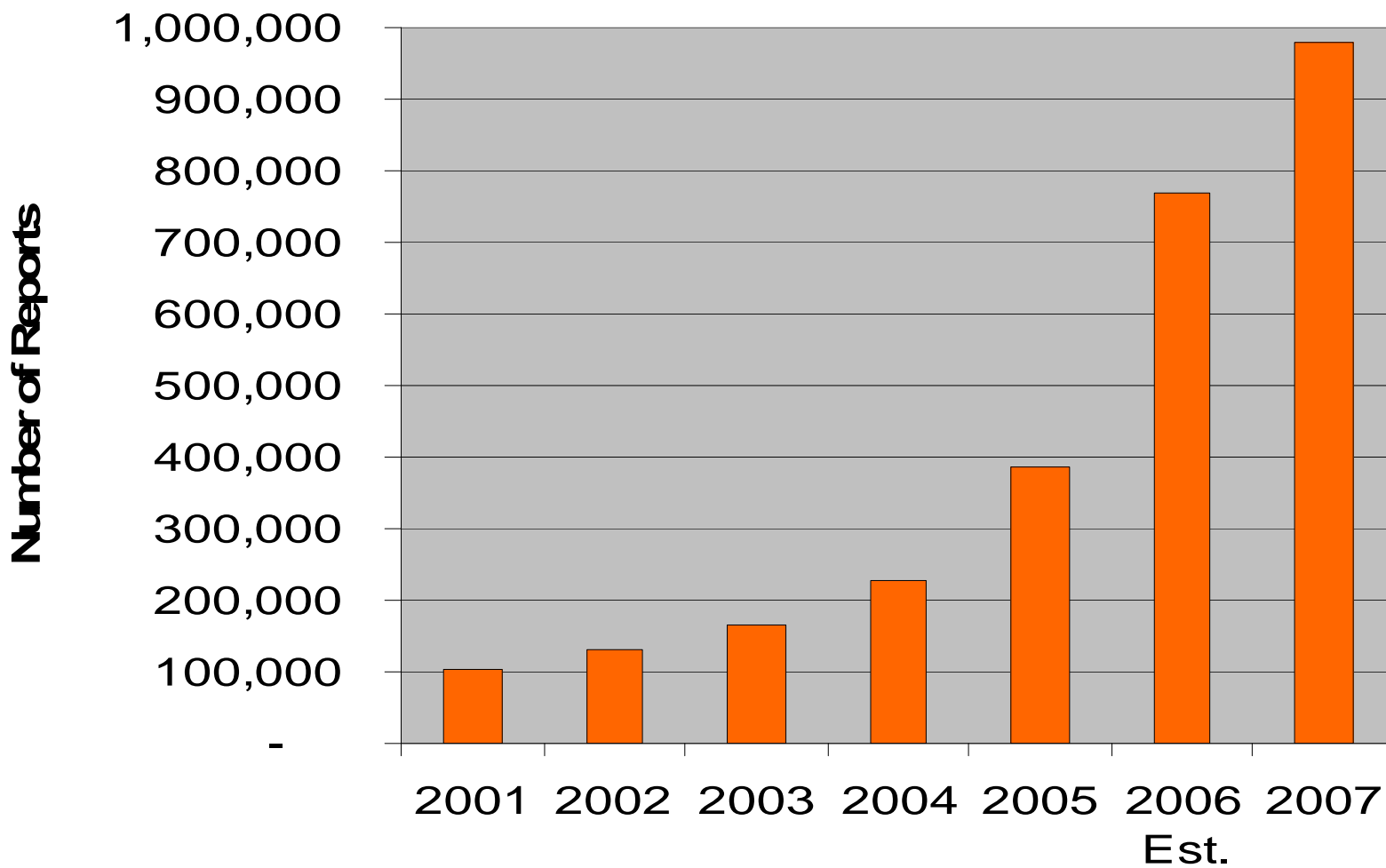
Proportion of patients prescribed C-II opioids involved in questionable activity by prescriber in FY 2007
(prescribers with fewer than 15 such patients excluded)



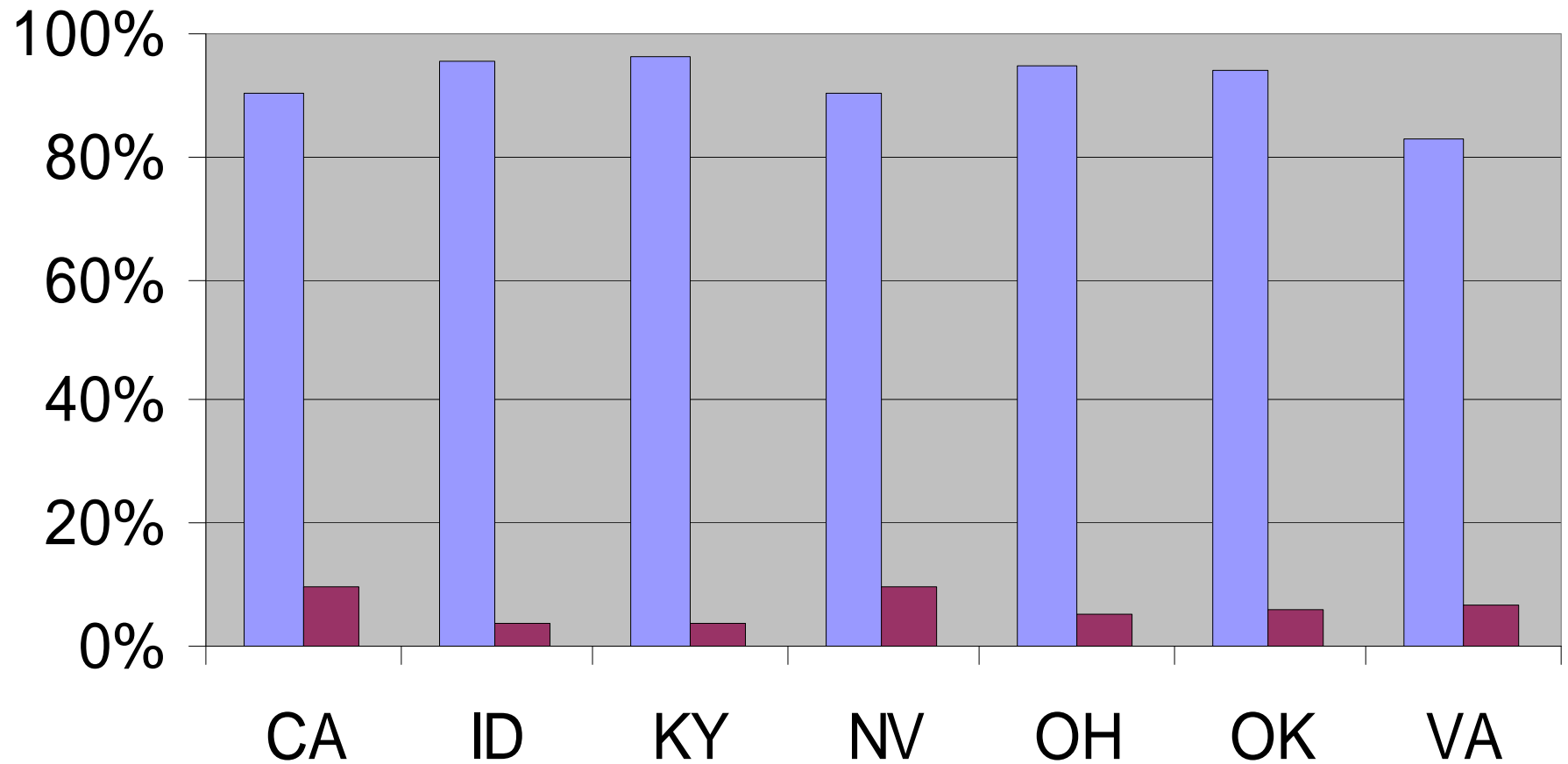
PDMPs Statutorily Authorized 1939 - 2008



PDMP Total Requests Fulfilled 2001 - 2007



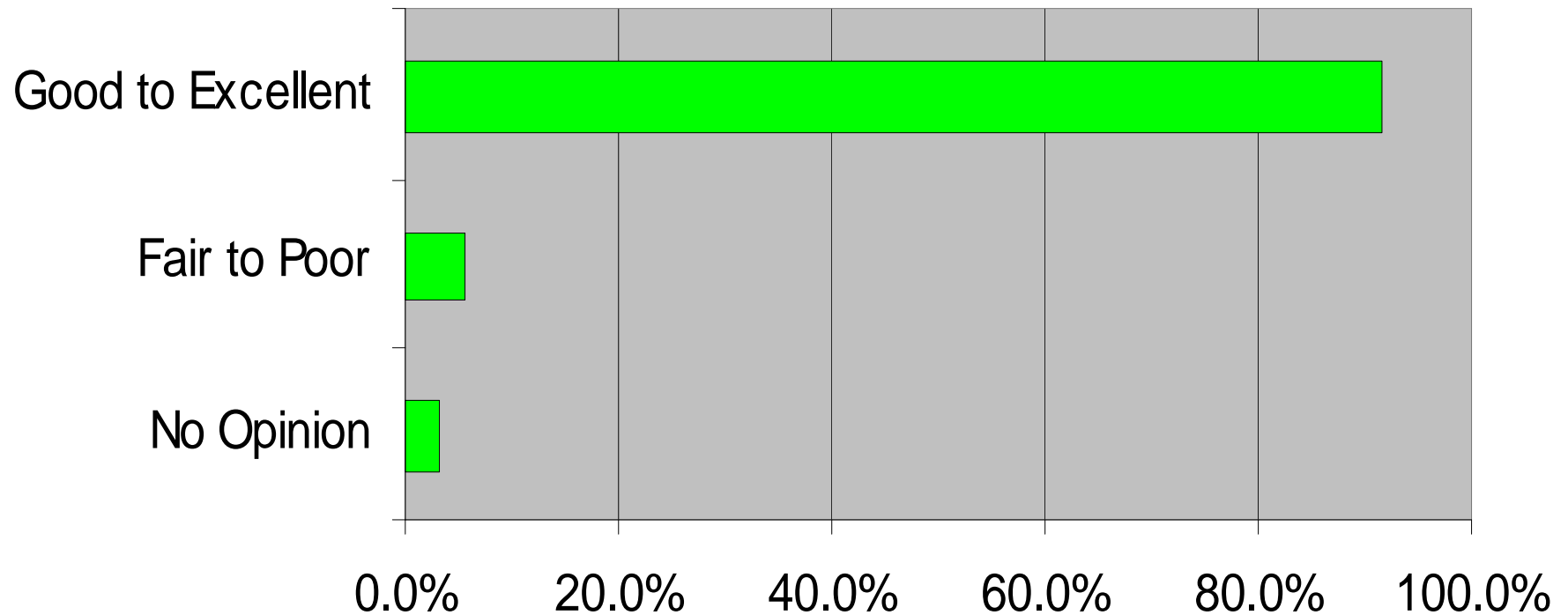
PDMP REPORTS BY TYPE OF USER



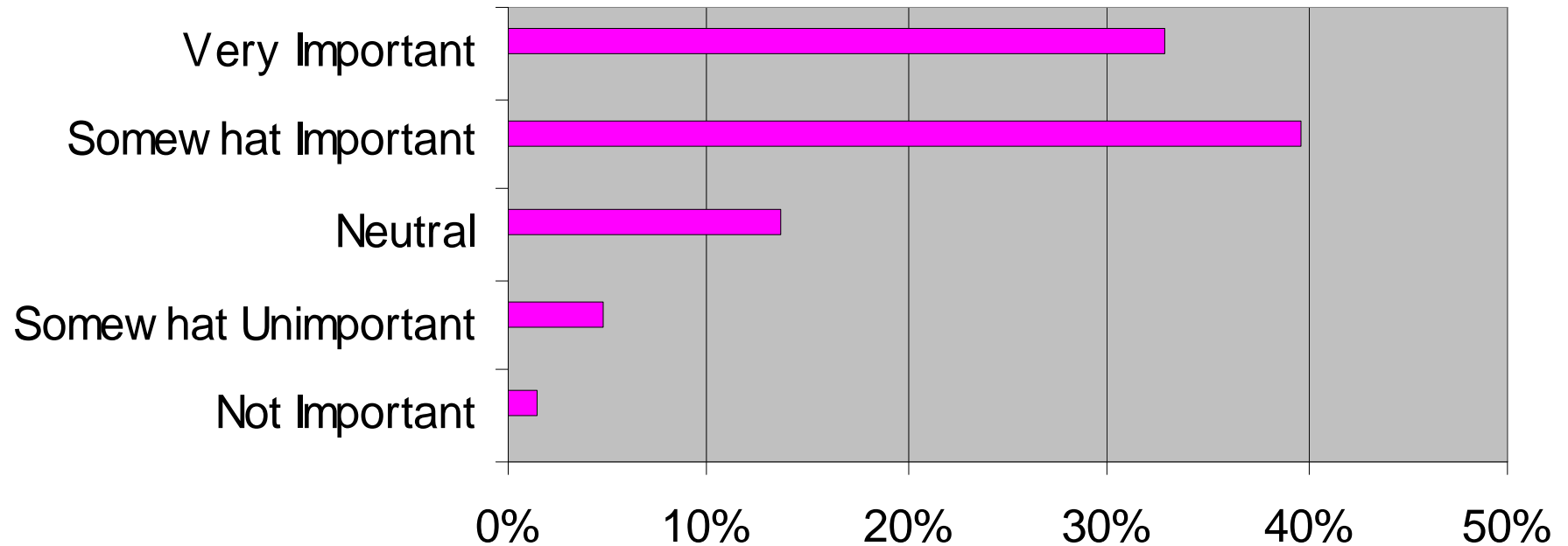
■ Prescribers & Pharmacists ■ Law Enf. & Regulatory

California Physician Survey – 2

How would you rate effectiveness of the PDMP reports in maintaining the care and health of your patient?



Kentucky Survey – Physicians When treating a patient, how important is a KASPER patient report in helping you make your decision about which drug to prescribe?



Objectives of Today's Meeting

- To provide an update on the evidence base for prescription monitoring as a public health intervention
- To present case studies of the use of prescription monitoring as a public health intervention
- To present a rationale for the imperative to include outcome evaluation in the implementation of prescription monitoring
- To describe the key methodological requirements for conducting valid prescription monitoring research
- To explore future directions in prescription monitoring research