

Results of 2012 CSRS Evaluation

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Part I: Prescriber and Dispenser Surveys

Prescribers

Sample sources:

- CSRS vendor (registered only)
- N.C. Medical Society (all prescribers who gave permission)

Respondents: N=1462

Dispensers

Sample source:

- N.C. Board of Pharmacy (all pharmacists)

Respondents: N=1703



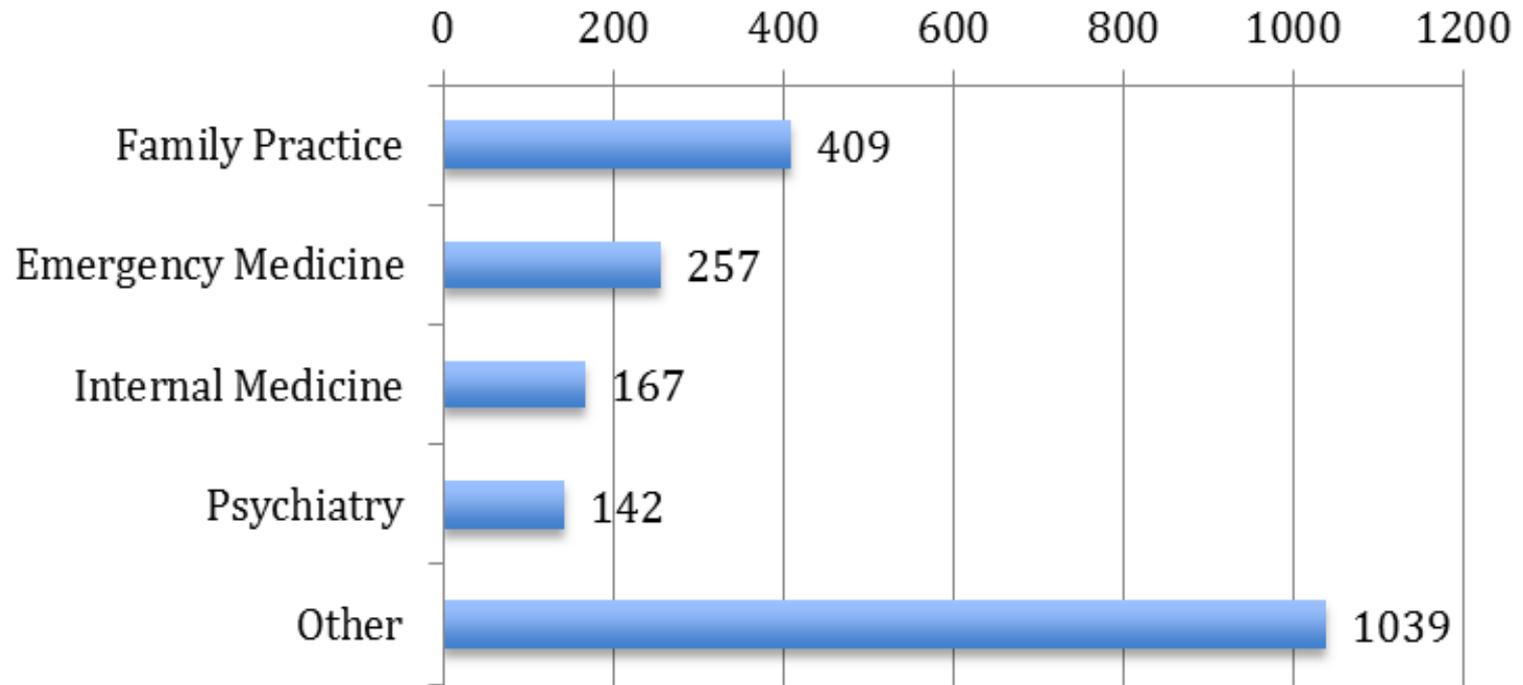
Results of Prescriber Survey





Primary specialty

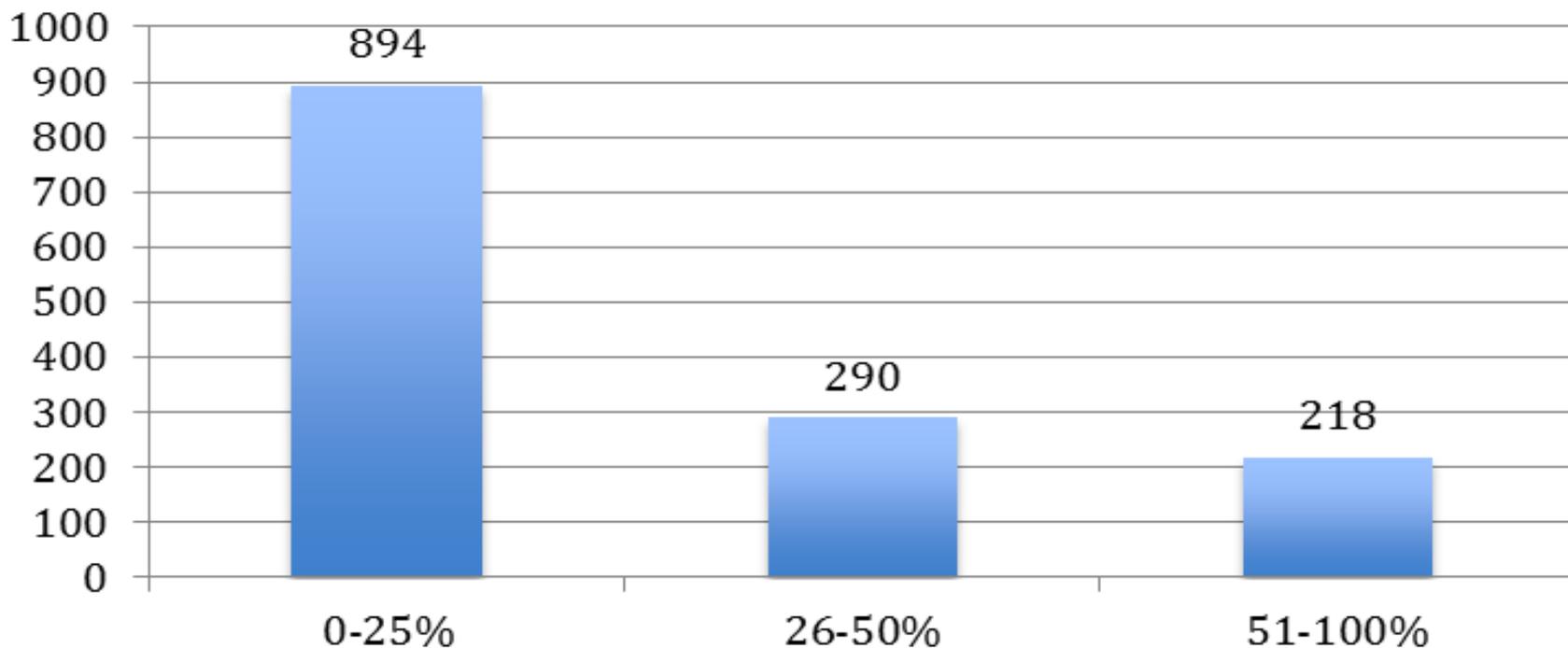
**Figure 1: What is your primary specialty?
(N=1429)**





Percent of patients for whom respondents prescribe controlled substances

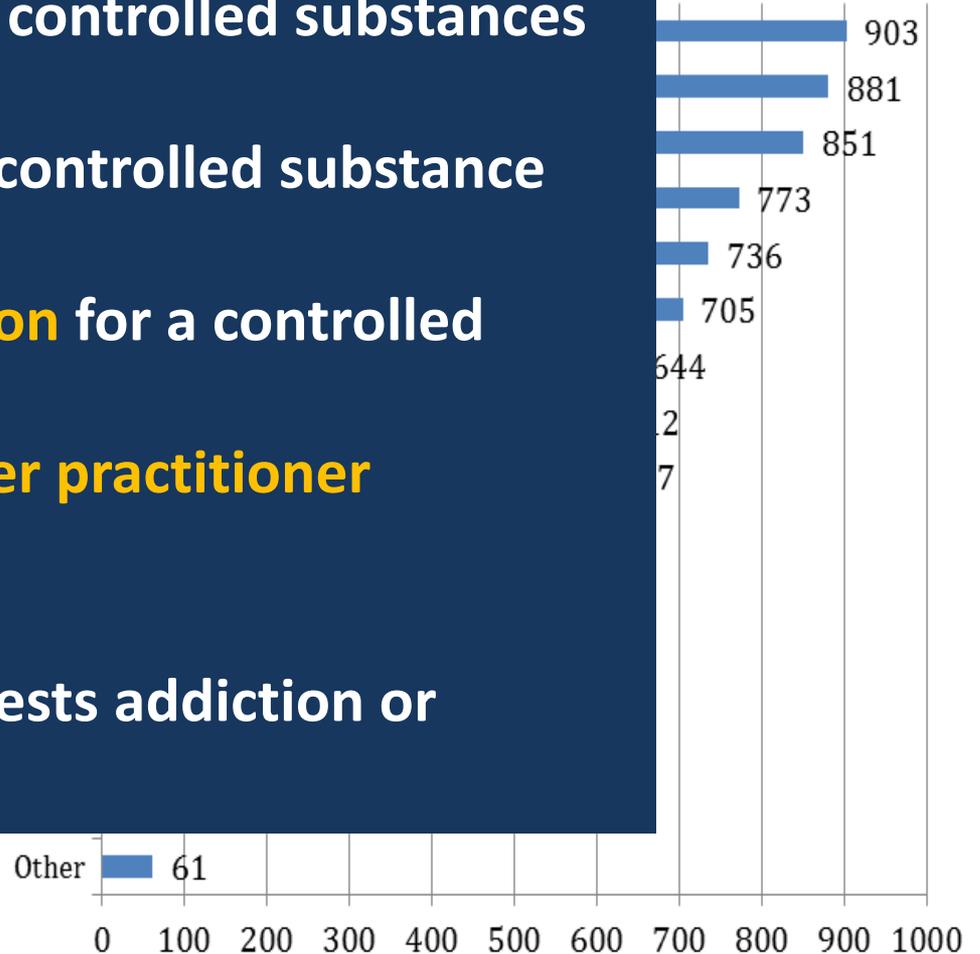
Figure 5: For what percent of your patients have you prescribed a controlled substance in the past year? (N=1404)





Reasons that prescribers use the CSRS

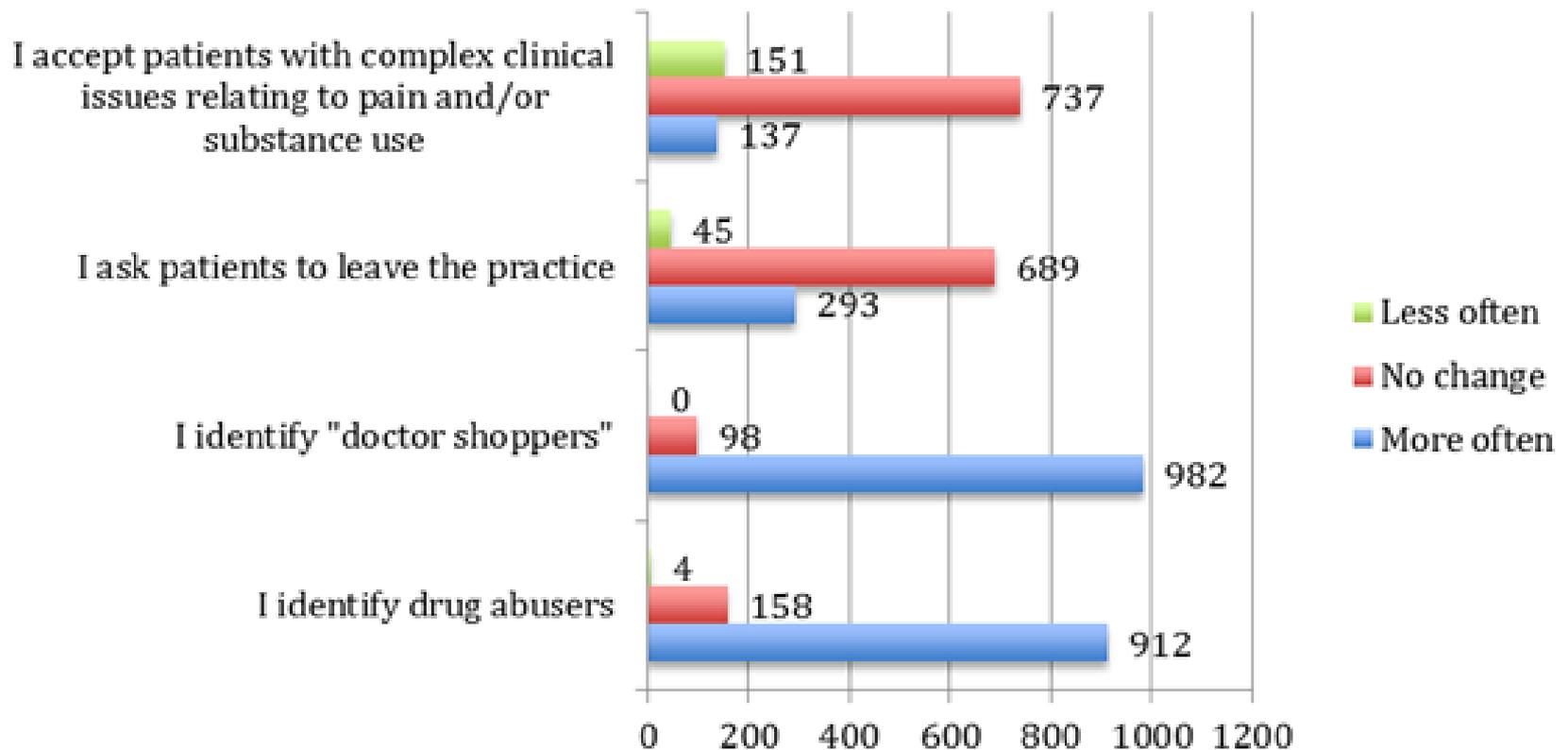
1. **Behavior** suggests possible addiction or substance abuse
2. Requests for **early refills** of controlled substances
3. **Request specific drugs**
4. **Long term prescription** for controlled substance
5. Known **history of addiction**
6. Considering **new prescription** for a controlled substance
7. Received a **call from another practitioner**
8. With **pain**
9. **Drug screen** results
10. **Physical appearance** suggests addiction or substance abuse





Effects on clinical practice

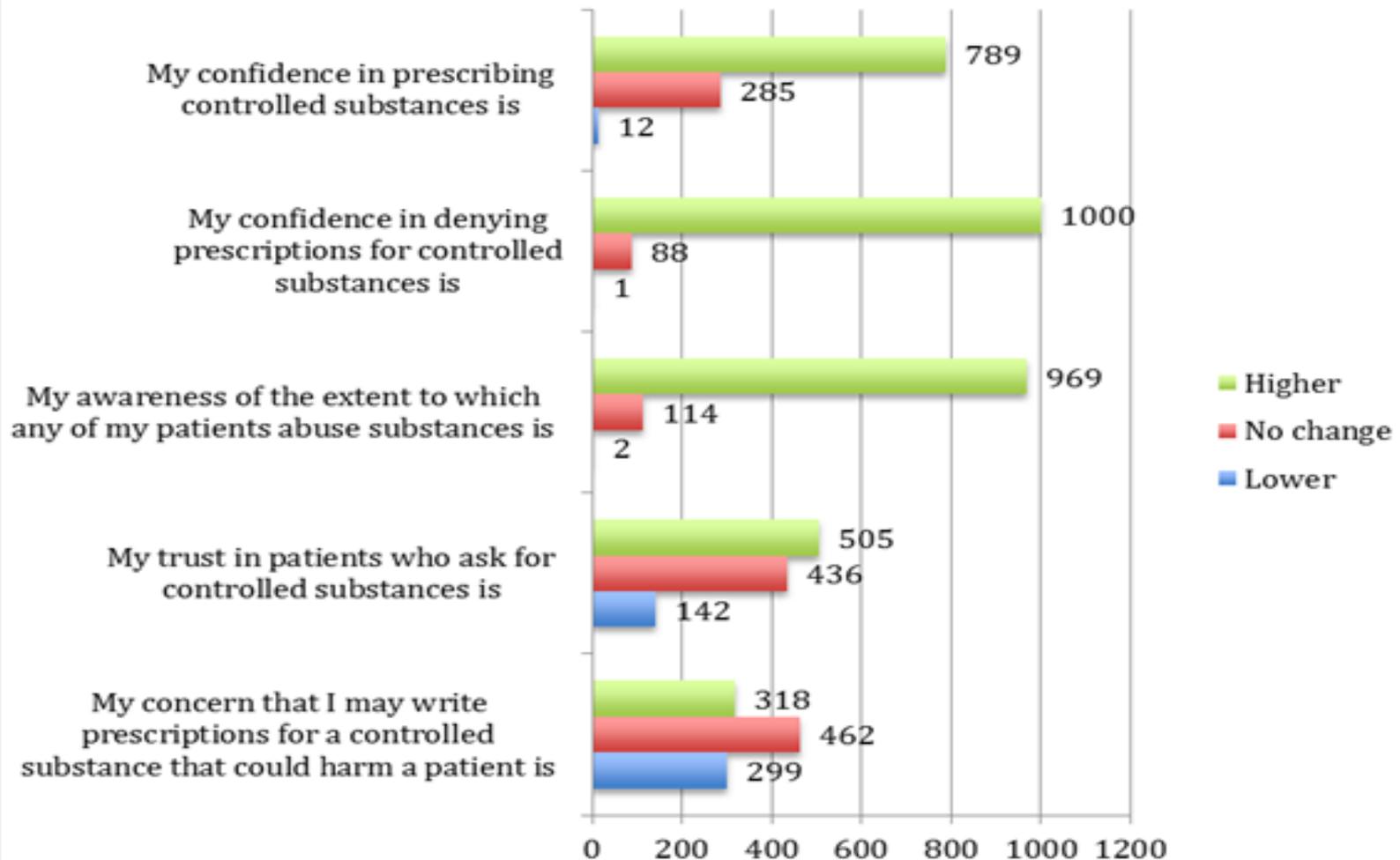
Figure 13a: How has using the CSRS affected your clinical practice?





Effects on clinical practice (cont.)

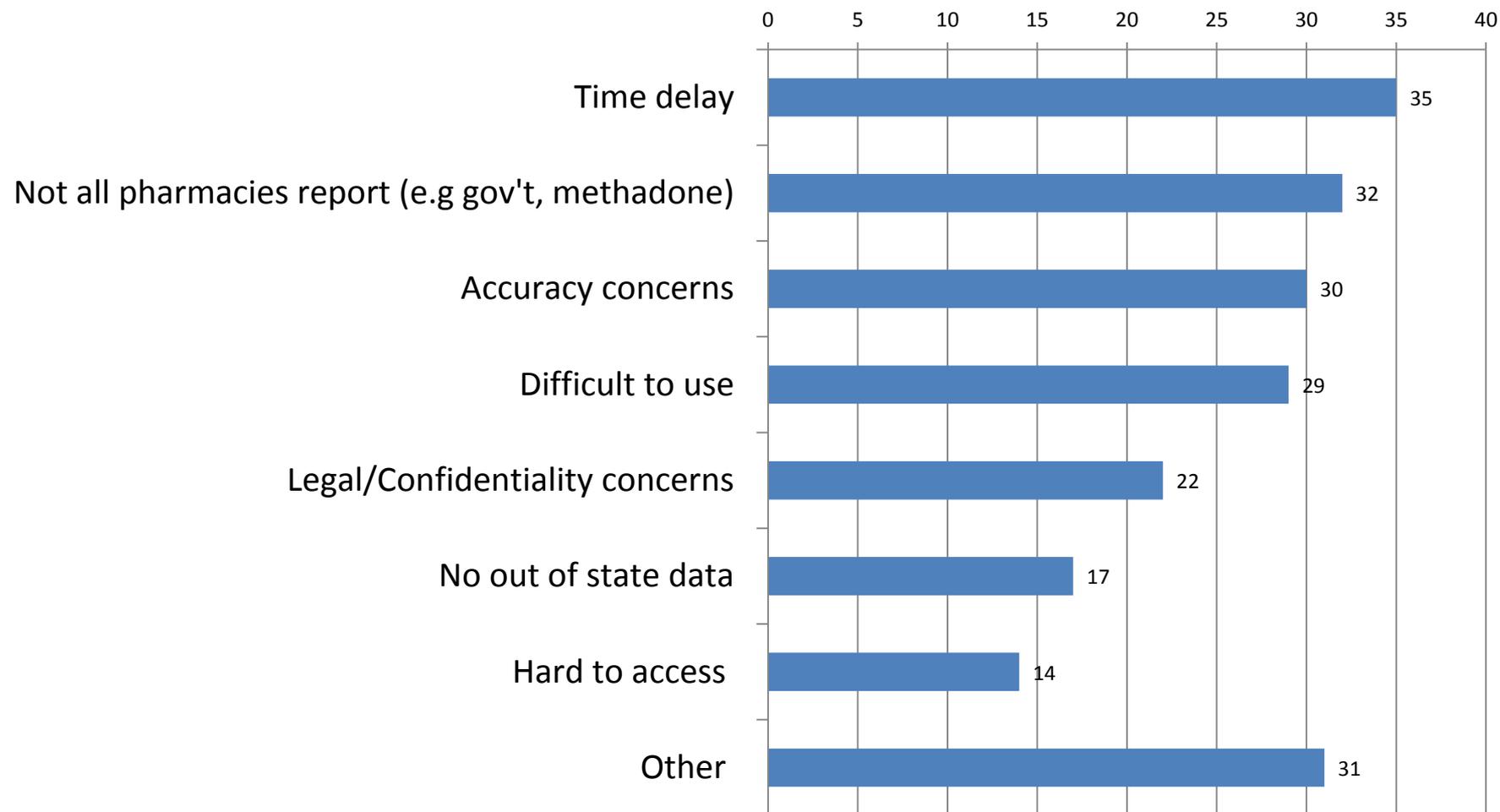
Figure 13b: How has using the CSRS affected your clinical practice?





Concerns about the CSRS

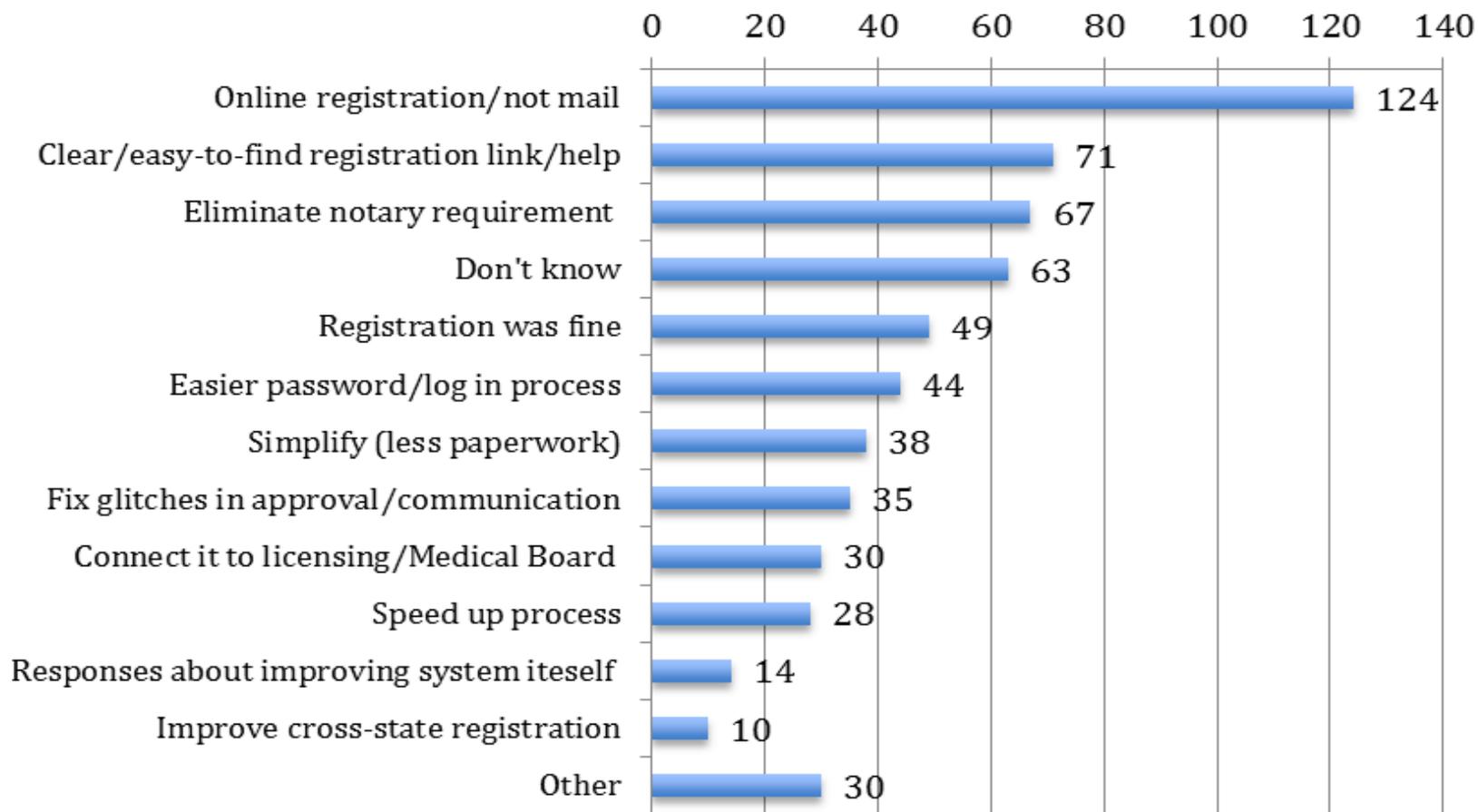
Figure 14. What are your concerns about the CSRS program?





Improving registration for the CSRS

Figure 7: How could registration for the CSRS be improved? (N=1179)



Results of Pharmacist Survey

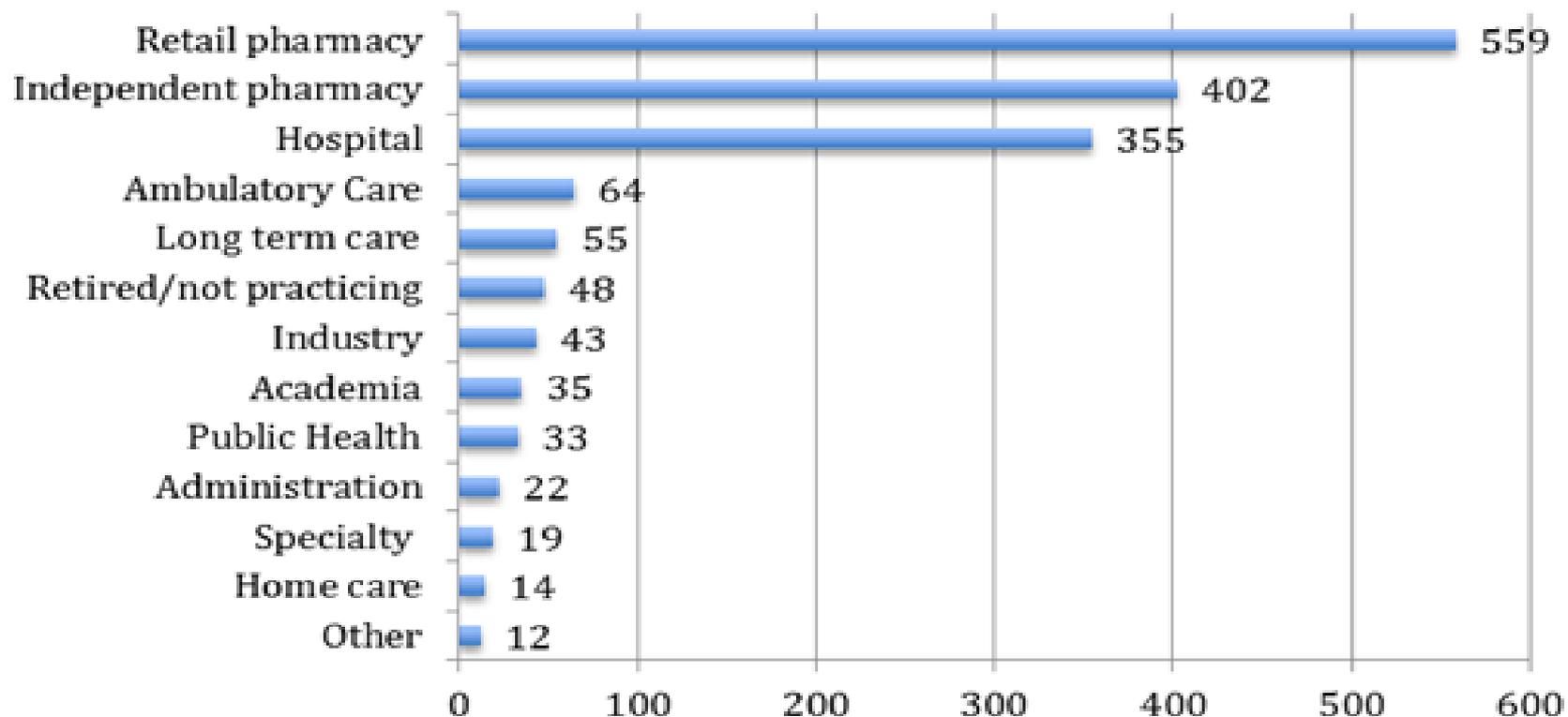
PHARMACISTS





Pharmacy practice settings

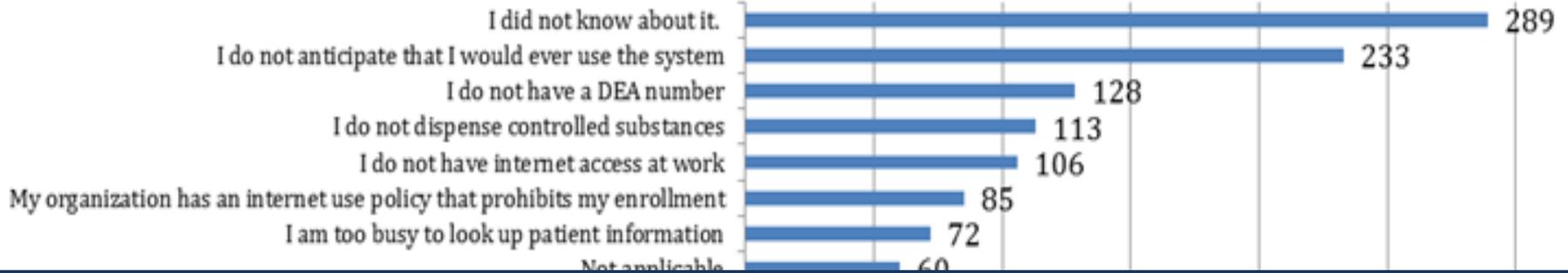
Figure 16: In what type of pharmacy setting do you primarily practice? Choose only one response. (N=1663)





Reasons pharmacists have not registered

Figure 19. Why have you not registered for the CSRS. Choose all that apply. (N=1067)

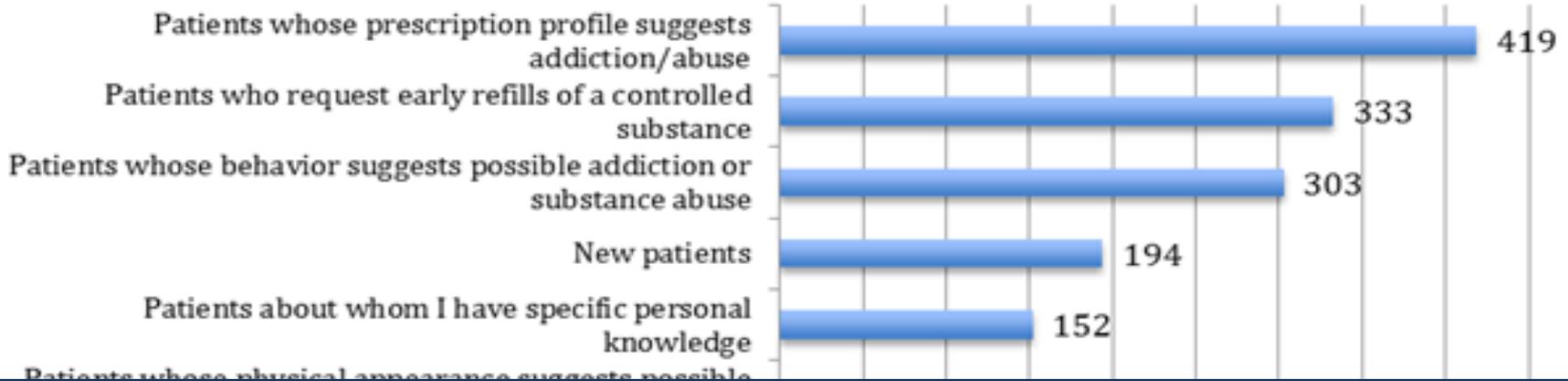


1. I did not know about it
2. I do not anticipate that I would ever use the system
3. I do not have a DEA number
4. I do not dispense controlled substances
5. I do not have internet access at work



Reasons for which pharmacists use the CSRS

Figure 23: When do you use the CSRS? Choose all that apply.
I access patient records for... (N=480)

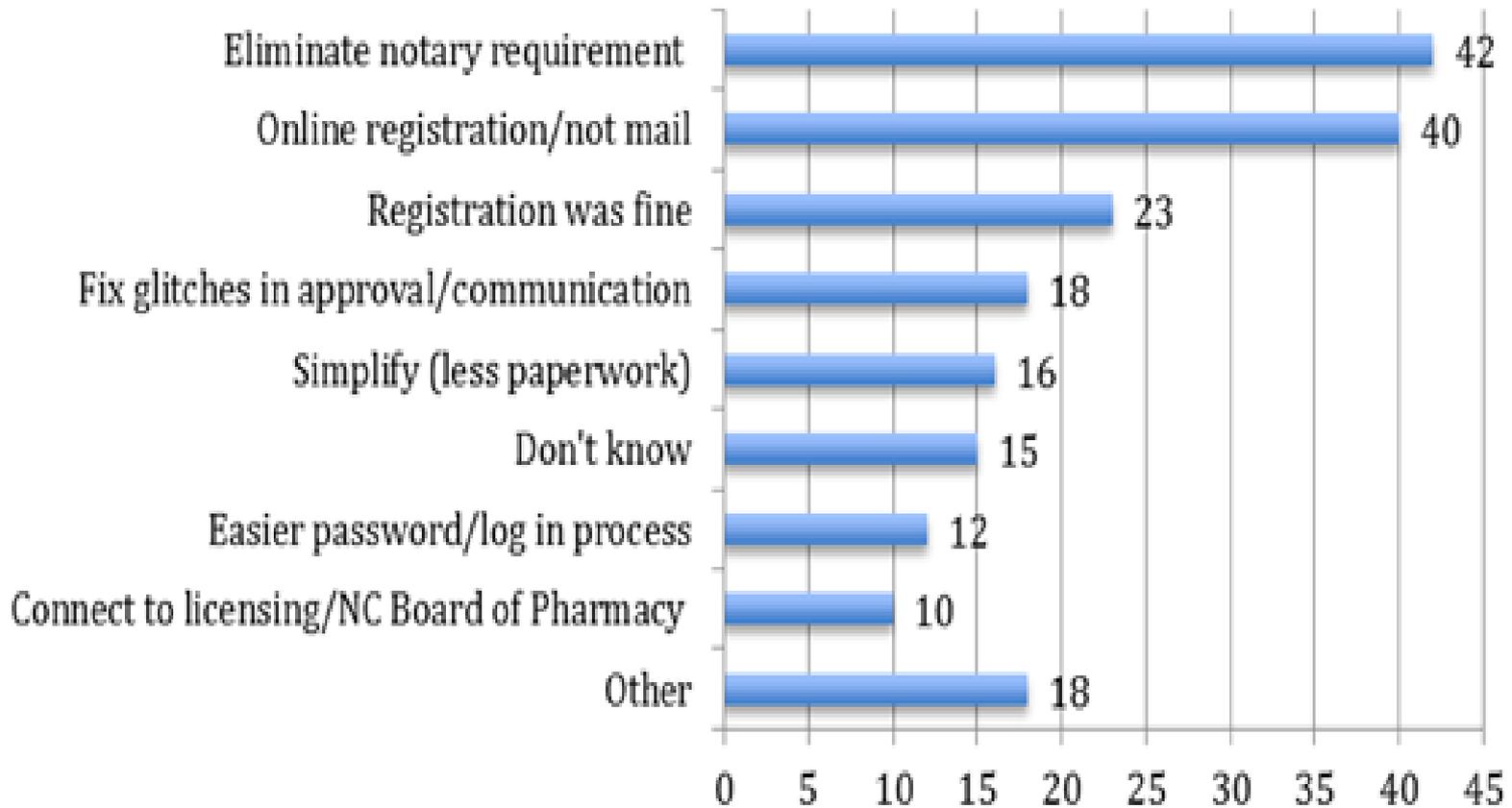


1. **Prescription profile** suggests addiction, abuse
2. Requests for **early refills**
3. **Behavior** suggests possible addiction or abuse
4. **New patients**
5. Specific **personal knowledge**
6. **Physical appearance**
7. **Dispensing any controlled substance**
8. **Long term prescription** for controlled substance



Suggestions to improve the CSRS

Figure 21: How could registration for the CSRS be improved? (N=171)



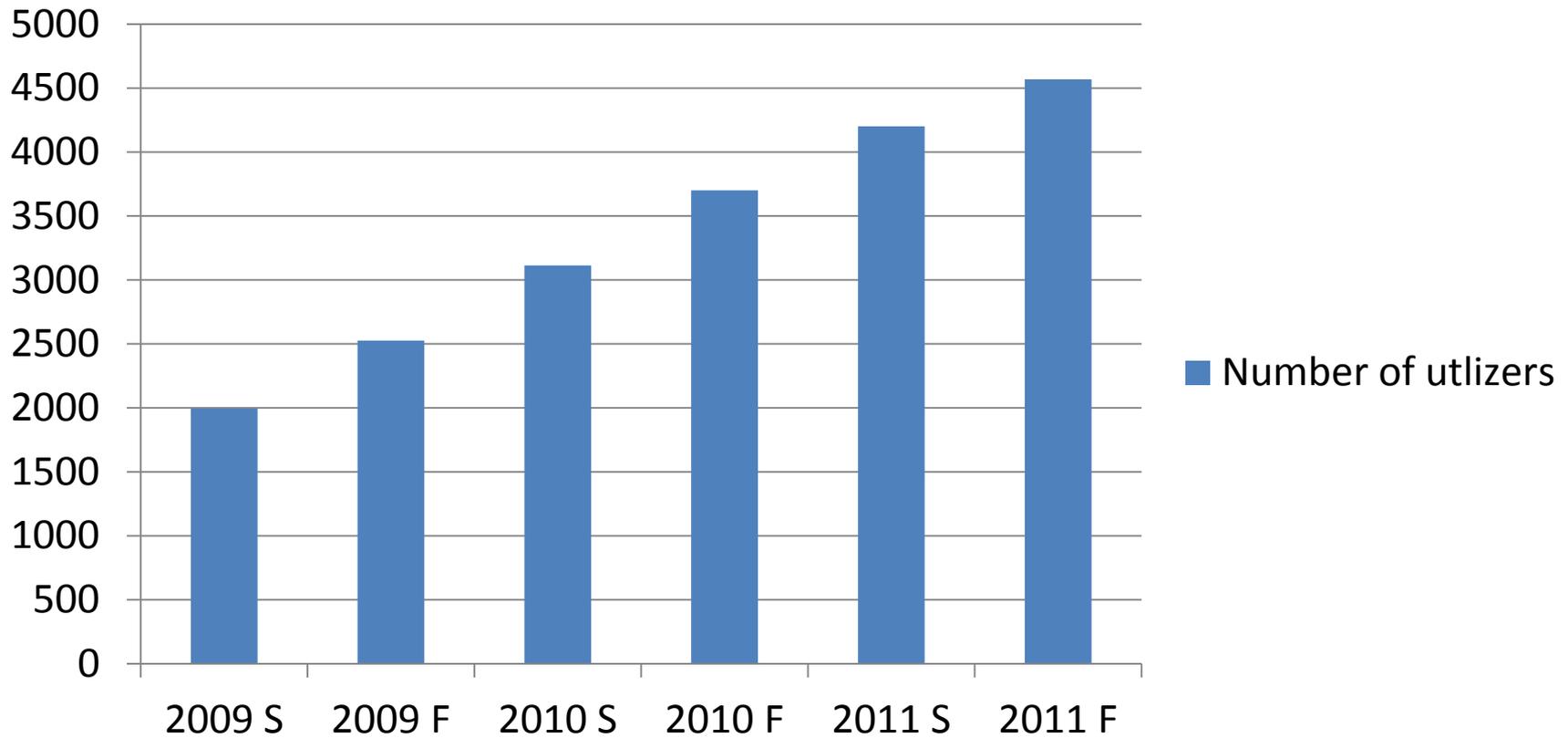
PART II: First fruits of analysis of CSRS data

Methods

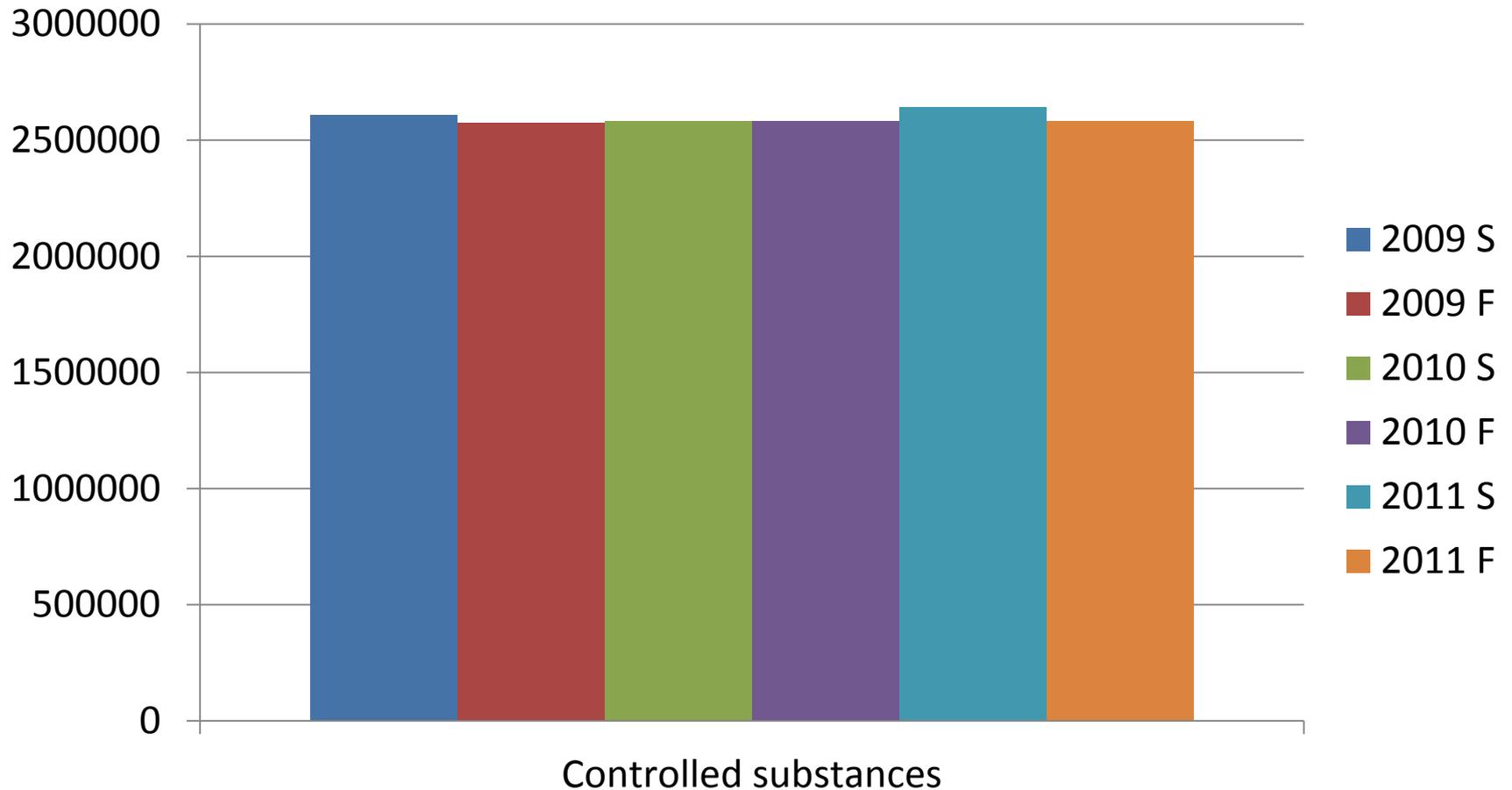
- 3 years of data (2009-2011)
- Divided for descriptive purposes into 6 6-month blocks (identified as Spring and Fall)
- Definition of “risk for doctor shopping”:
patients with medications:
 - prescribed by 4+ prescribers *AND*
 - dispensed by 4+ pharmacies *within*
 - any 6 month period
- Utilization by providers measured as number of days in which queries were made

Utilizers querying the NC CSRS, 2009-11

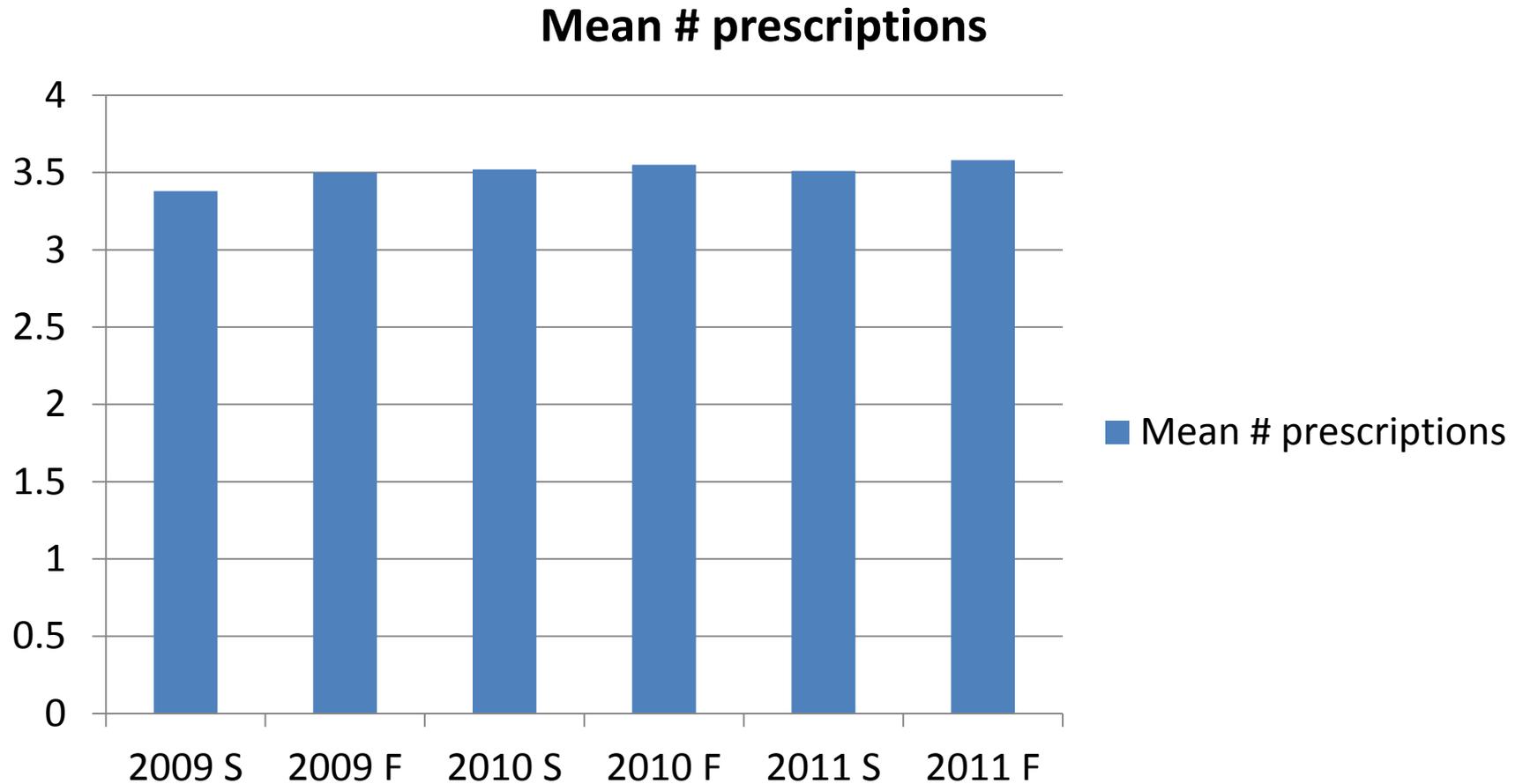
Number of utilizers



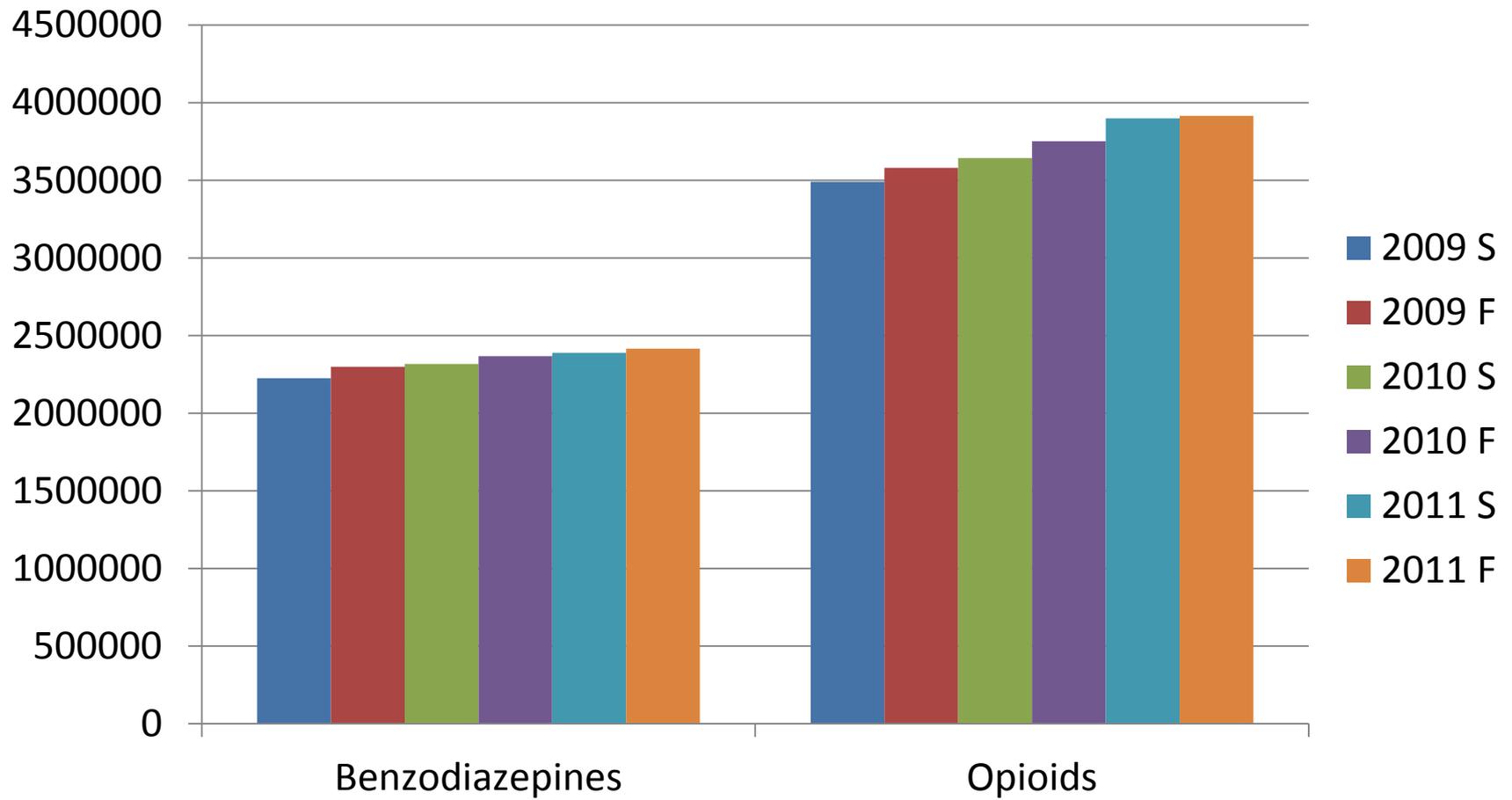
Prescriptions for all controlled substances in N.C., 2009-11



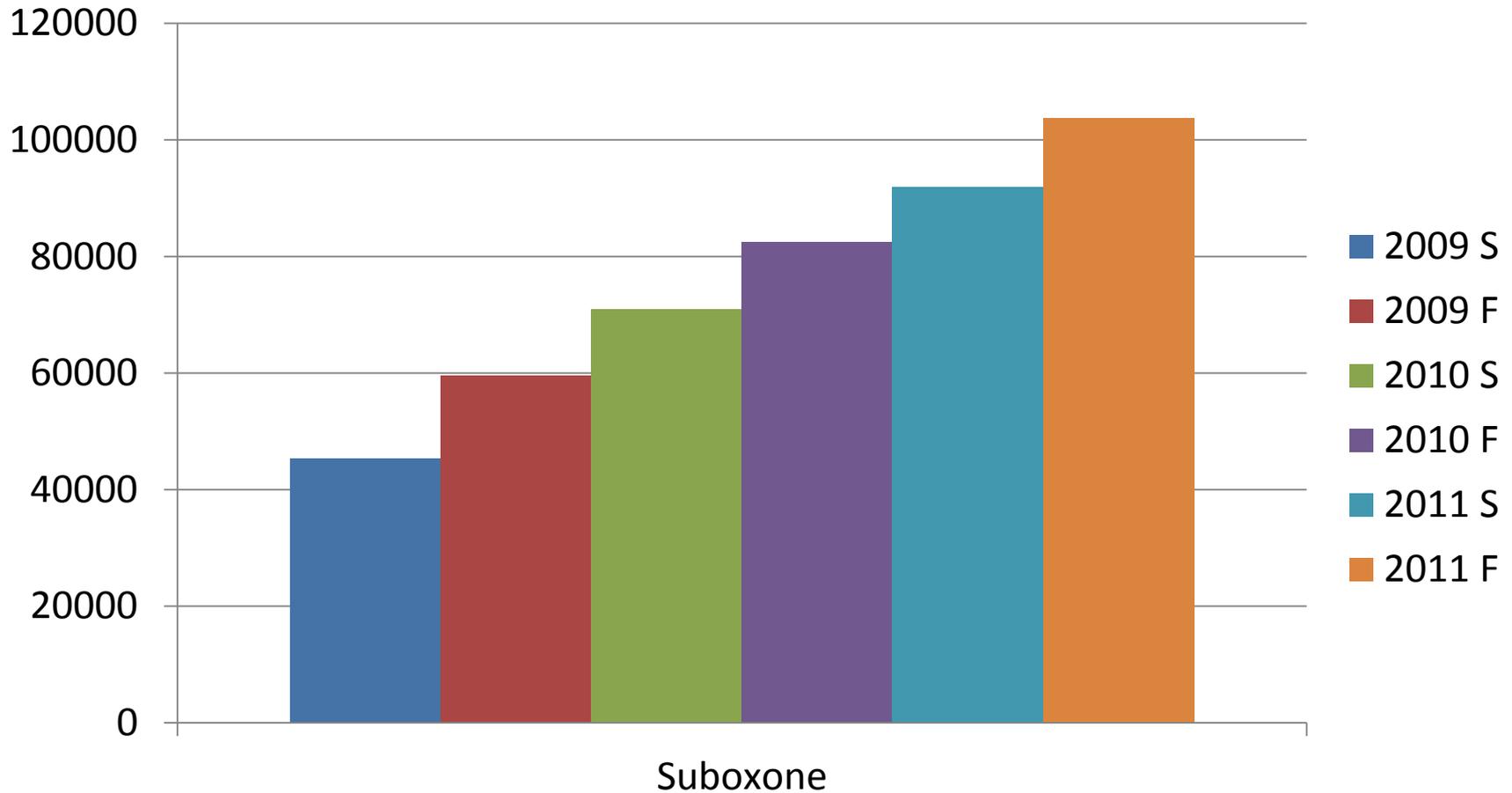
Average number prescriptions for a controlled substance/patient, 2009-11



Prescriptions written in N.C. for Benzodiazepines and Opioids, 2009-11



Prescriptions written in N.C. for treatment of opioid dependence, 2009-11



Proportion of patients at risk of doctor shopping receiving prescriptions for controlled substances, 2009-11

