

Quantity and Type of ENDS Devices Used in the Past Week and the Percentage of Puffs from Their Most-Used Device: Findings from Wave 4 of the VAPER Study

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Background

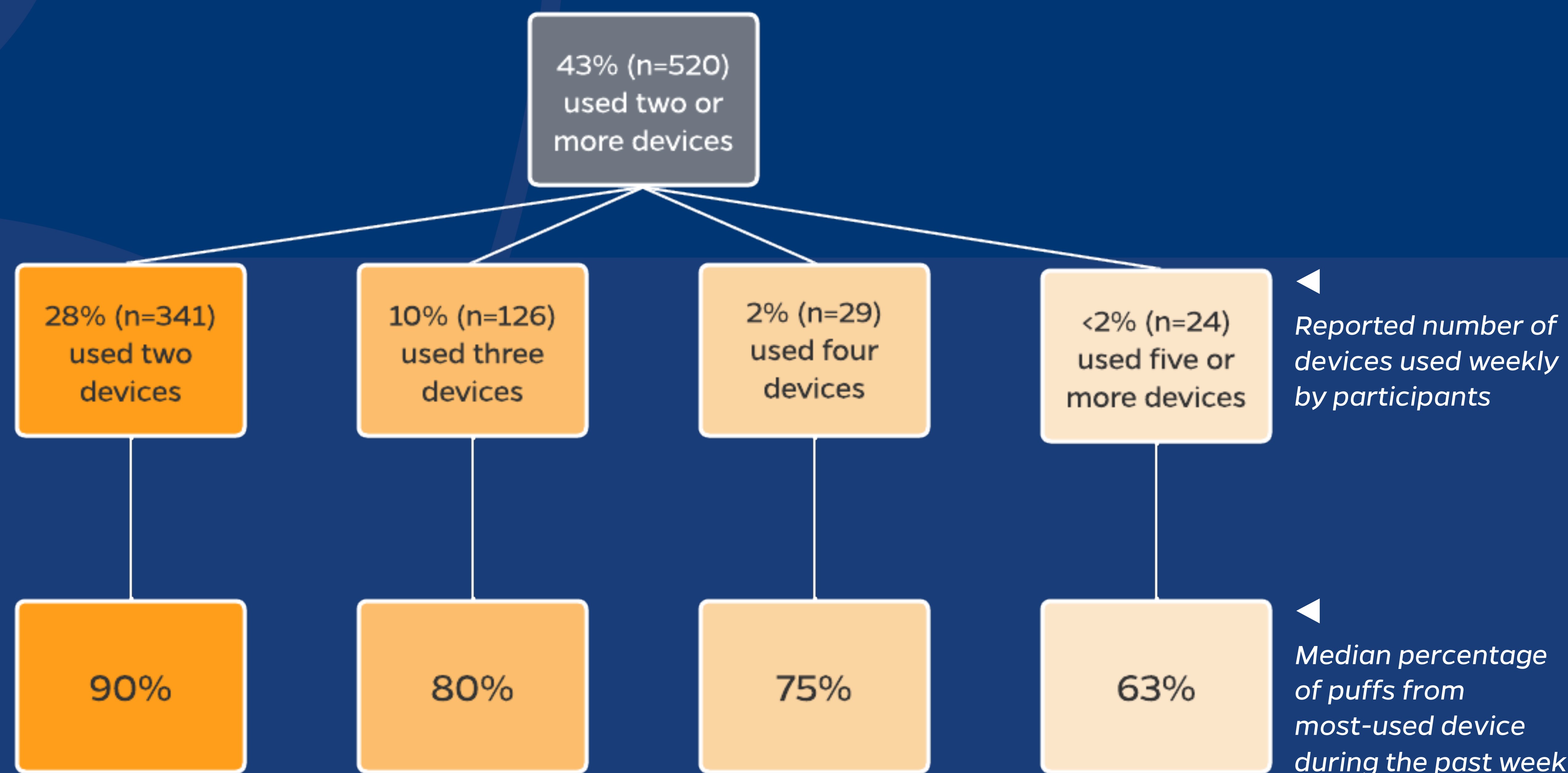
Electronic nicotine delivery system (ENDS) studies frequently report data on participant device use—however, people who use ENDS may regularly use more than one device.

Understanding the quantity of ENDS devices, the range of device types, and the percentage of puffs from their most-used device will better contextualize real-world use—and help regulators better predict potential benefits and unintended consequences of future regulations.

Methods

- US adults (21+) who use ENDS 5+ days/week completed a survey between July and September 2022.
- Participants who used at least one ENDS device in the past week (N=1205) self-reported the number of devices used, the type(s) of their three most-used devices, and the approximate percentage of puffs from their most-used device.
- Descriptive statistics were reported.

Nearly half of those who frequently used ENDS used **two or more devices per week (43%)** but used **one device for most of their puffs.**



Learn more about the Vaping and Patterns of E-Cigarette Use Research (VAPER) Study

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Results

- For the most-used device in the past week, 31% (n=369) reported using a disposable device, followed by refillable tank (27%; n=330), refillable pod/cartridge (26%; n=313), and disposable pod/cartridge (16%; n=193).
- Of those who used at least two devices (n=520), the second most-used device type from the past week was disposable device (61%; n=316), then refillable tank (13%; n=67), refillable pod/cartridge (13%; n=67), disposable pod/cartridge (10%; n=53), and “did not know” (3%; n=17). [Similar device-type frequency was reported among those who used 3+ devices (n=179).]

Conclusions

- Using two or more ENDS devices in the past week was common (43%).
- The median percentage of puffs from the most-used device decreased as the number of devices used increased—although most participants using multiple devices still appeared to use one device for the majority of the time.
- These findings highlight the complexity of individual ENDS user behavior and suggest that regulations aiming to impact the use of select device types could displace use for many users.

Authors

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