

MaP Water Management Report #3 May 2018

Residential Shower Fixture/Usage Report

The MaP (Maximum Performance) team recently conducted an online survey on their website www.map-testing.com. Visitors using the site were asked to participate in a survey about shower use and characteristics, as well as a few questions regarding their hot water usage. A total of 2,962 people participated in the survey, though not all participants answered every question.

MaP expects the results obtained through this survey will help advance efforts to reduce residential water demands associated with showering by providing details to the industry regarding the types of residential showerhead installations and how they are used.

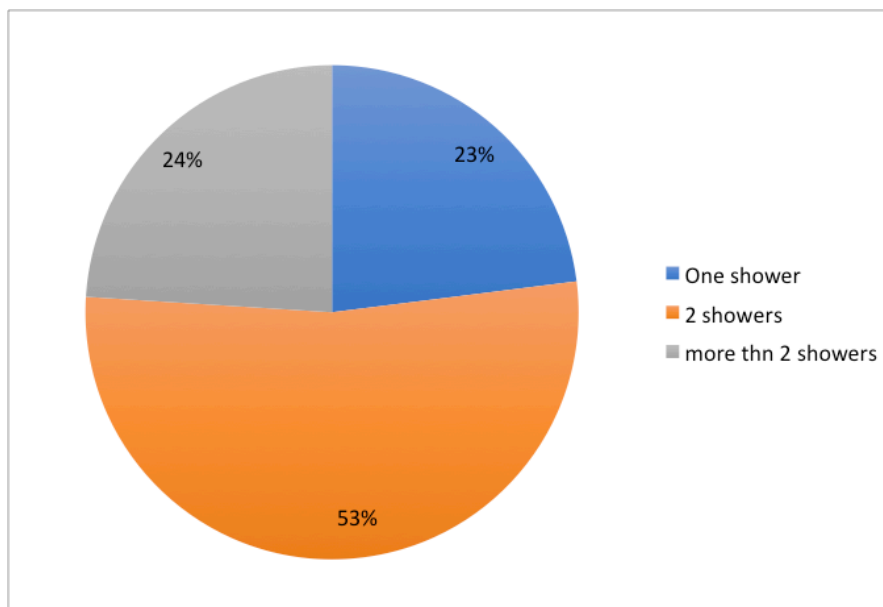
Any comments or questions regarding this survey or the results should be addressed to the authors –

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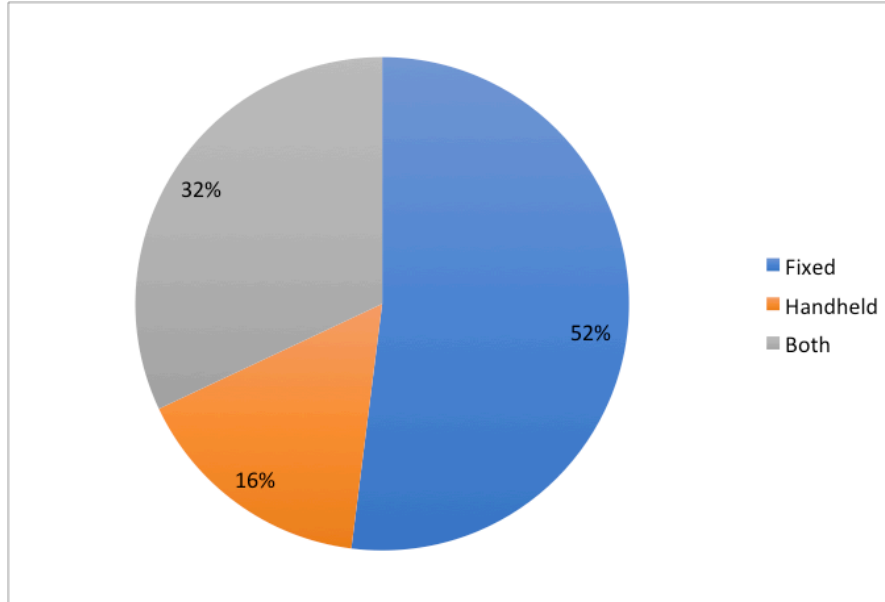
Survey Results

Average Age of Primary Showerhead: 2,180 responses were received with average showerhead being 6.8 years old; 16% are only 1 year old.

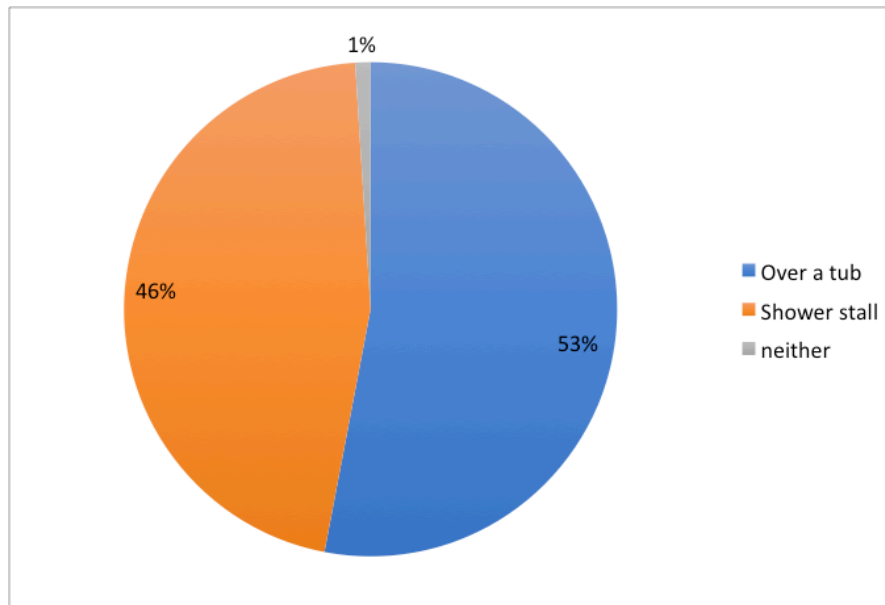
Number of Showers in Home: 2,329 responses were received with 23% of respondents having a single shower in their home, 53% have 2 showers, and 24% have more than 2 showers



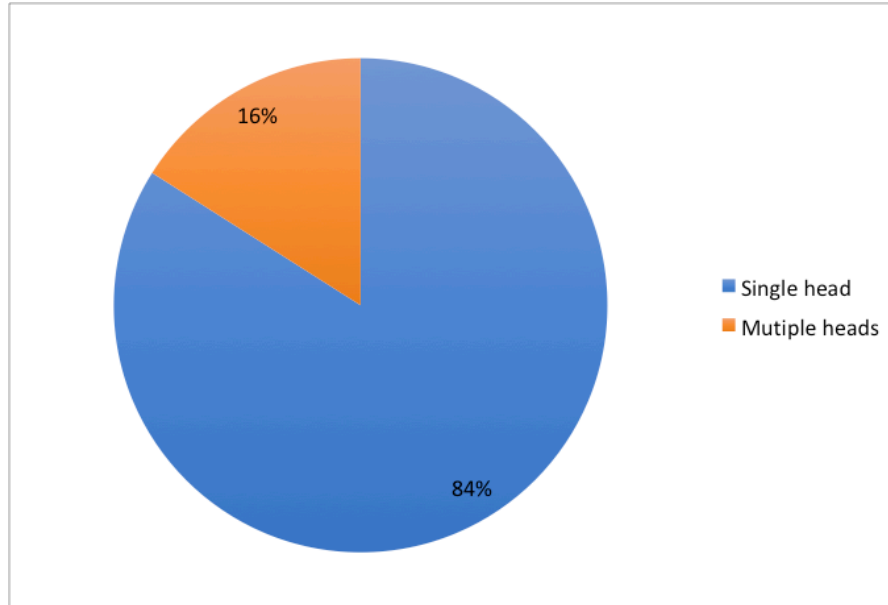
Fixed vs. Handheld Showerhead: 2,265 responses were received with 52% of primary showerheads being fixed, 16% being handheld, and 32% having both fixed and handheld showerheads.



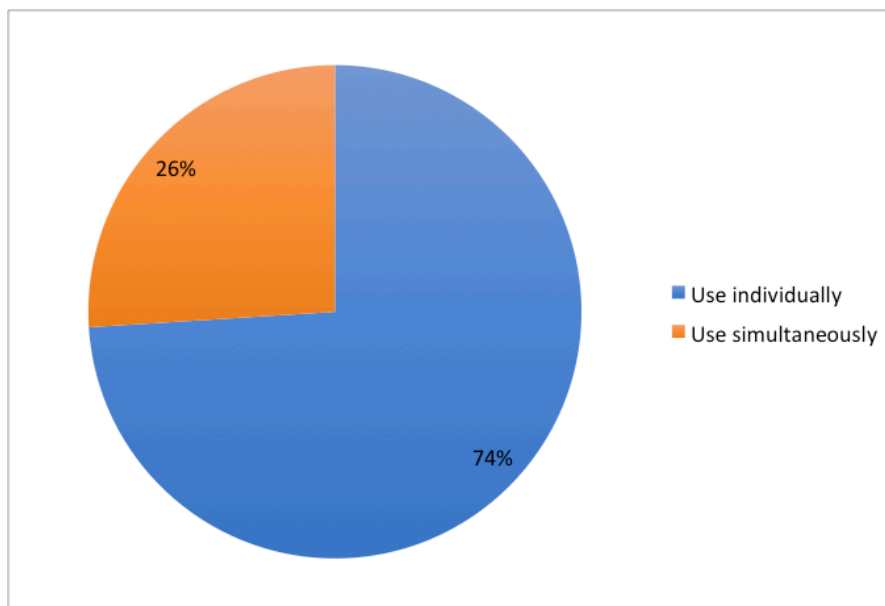
Primary Showerhead Installation: 2,264 responses were received with 53% of primary showerheads being installed over a tub, 46% being in a shower stall (no tub), and 1% being neither.



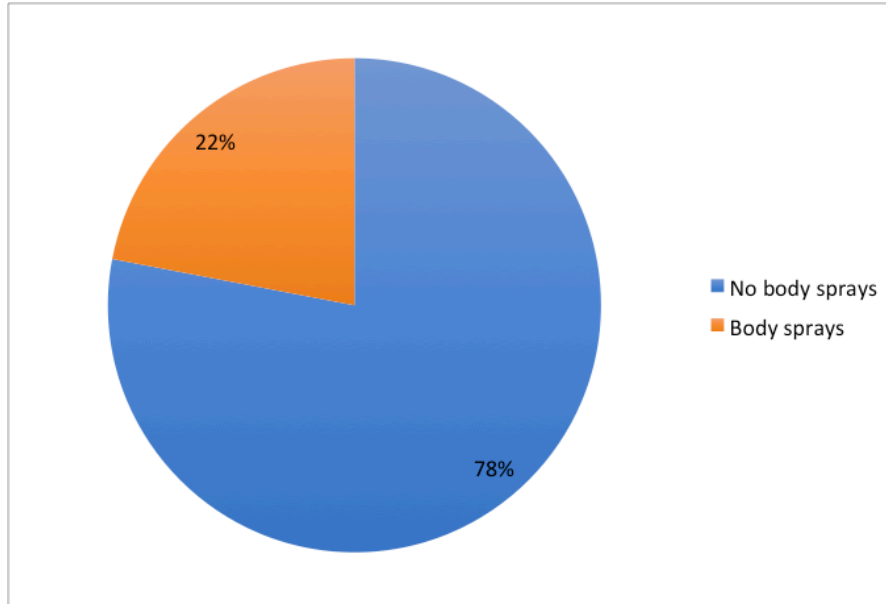
Multiple Showerheads: 2,257 responses were received with 84% of primary showers containing a single head and 16% containing multiple heads.



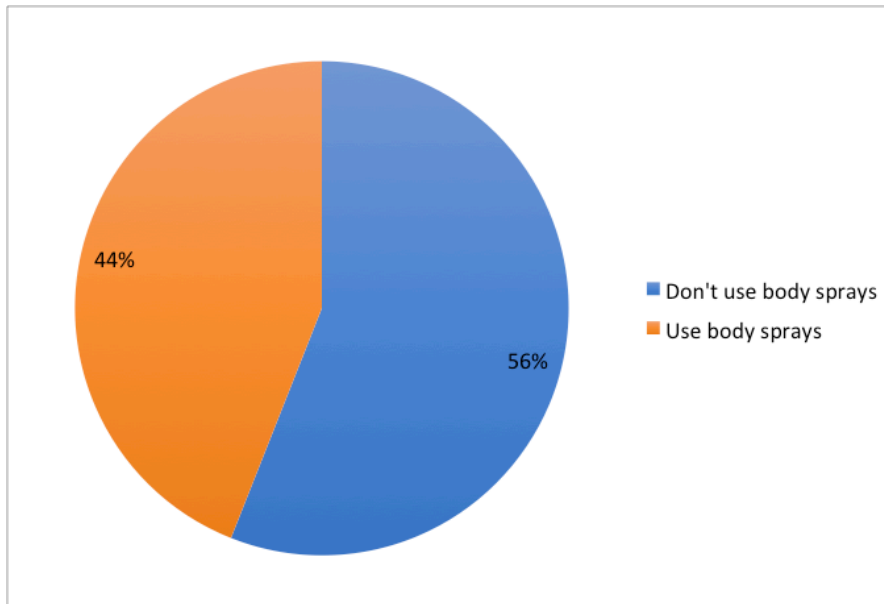
Multiple Showerhead Use: 366 responses were received from those with multiple showerheads; 74% of those respondents stated they do not use their multiple showerheads simultaneously, while 26% stated that they do use their multiple showerheads simultaneously.



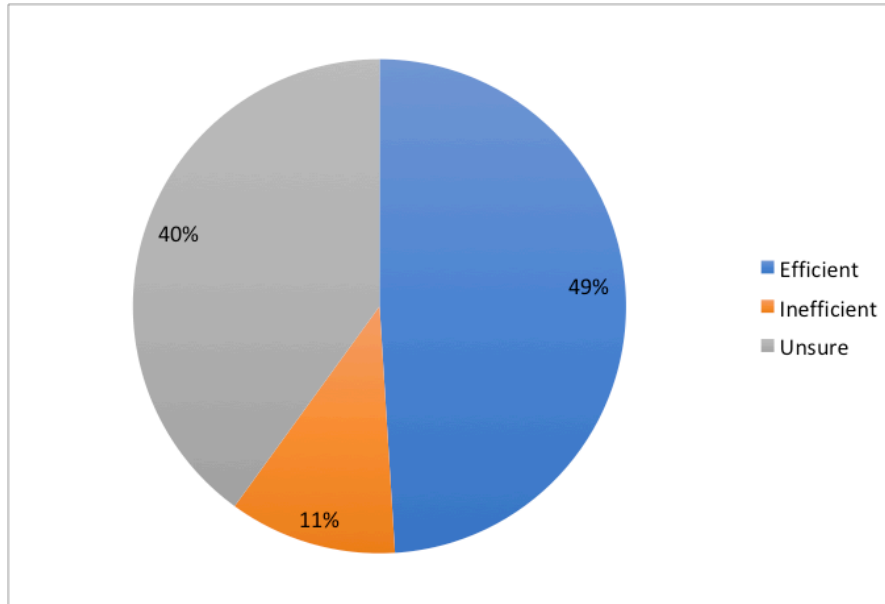
Body Sprays: 2,239 responses were received with 78% of respondents stating that their shower system does not have body sprays, while 22% stating that their shower does have body sprays.



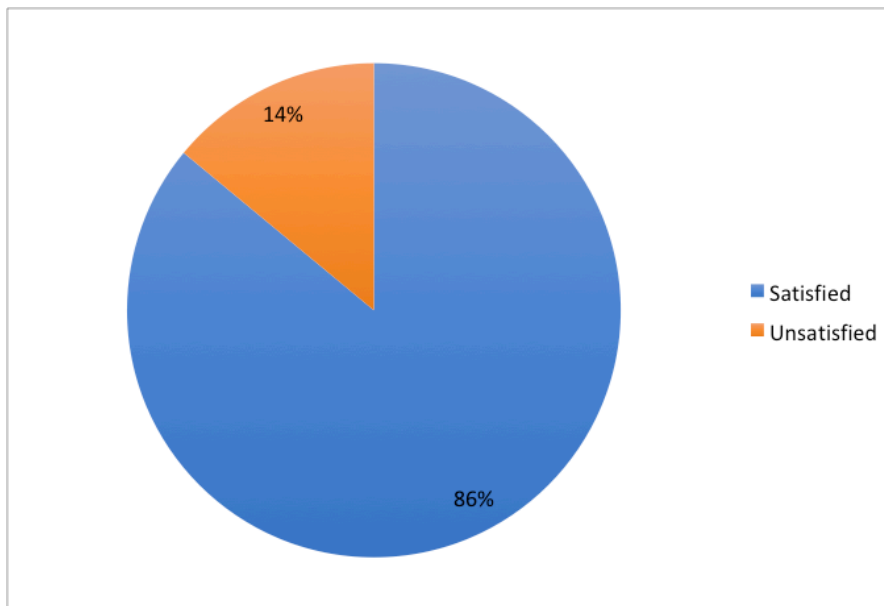
Body Spray Use: 472 responses were received with 56% of respondents stating they do not typically use the body sprays while showering, while 44% do use the body sprays.



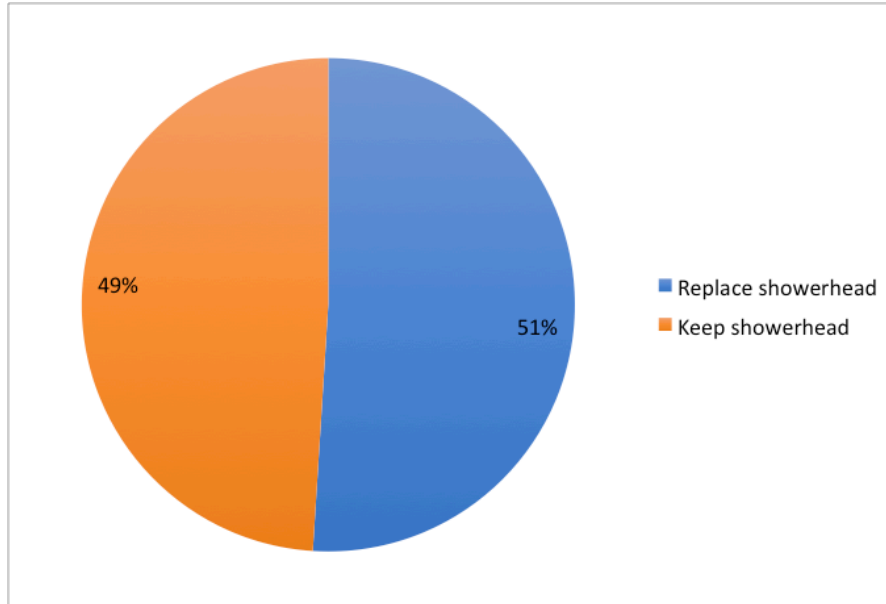
Showerhead Efficiency: 2,272 responses were received with 49% of respondents stating their showerhead was efficient (less than 2.5 gpm / 9.5 Lpm), 11% stating their showerhead was not efficient, and 40% were unsure.



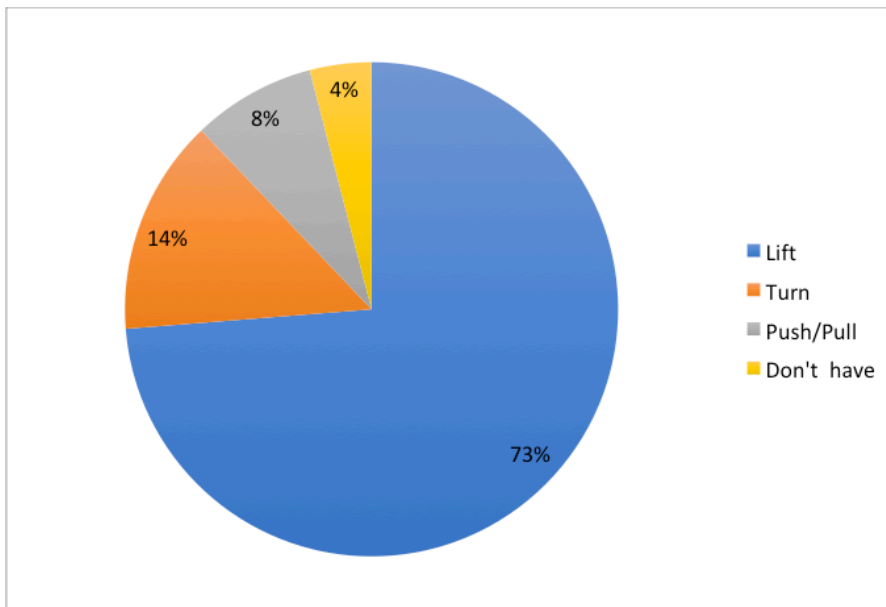
Showerhead Satisfaction: 2,270 responses were received with 86% of respondents stating they were satisfied with their showerhead performance, while 14% were dissatisfied. The primary cause of dissatisfaction was “Not Forceful Enough” at 57%, followed by “Bad Spray Pattern” at 32%, and “Erratic Spray” & “Difficult to Rinse Hair” both at 14% (note that multiple responses were allowed).



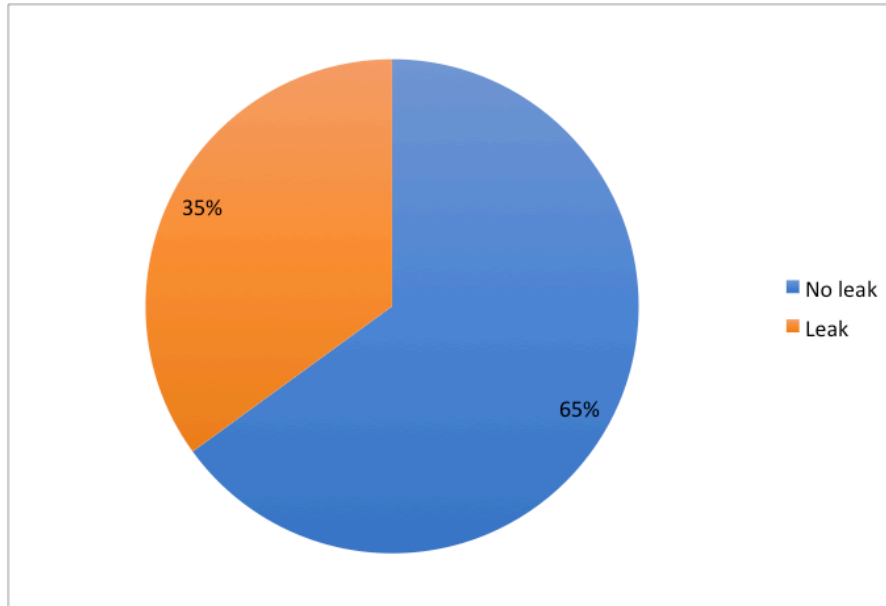
Replacing Showerhead: 303 responses were received with 51% of respondents stating they were planning to replace their existing showerhead, while 49% plan to keep their existing showerhead.



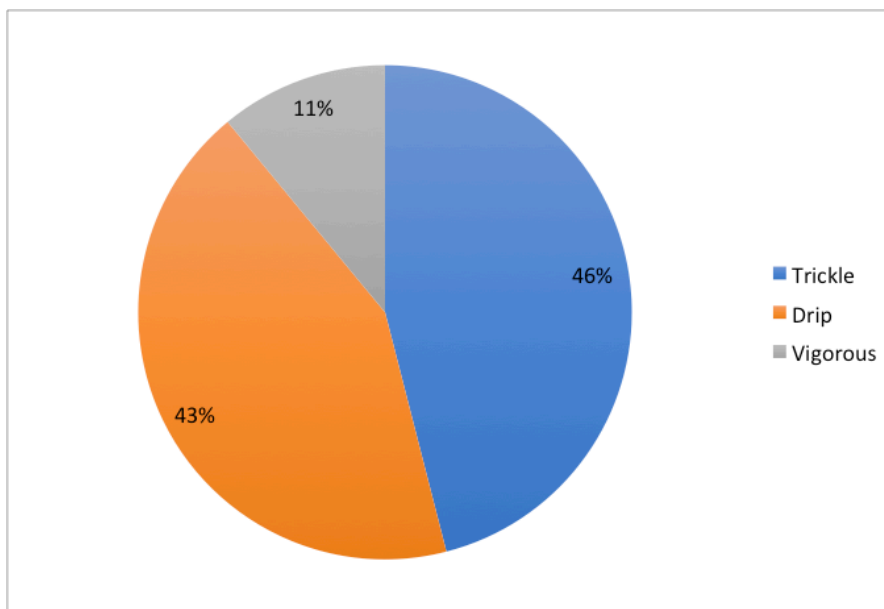
Shower Diverter Valve: 1,039 responses were received with 73% of respondents stating they “Lift” the diverter control, 14% “Turn” the diverter control, 8% push/pull the diverter control, and 4% do not have a diverter control.



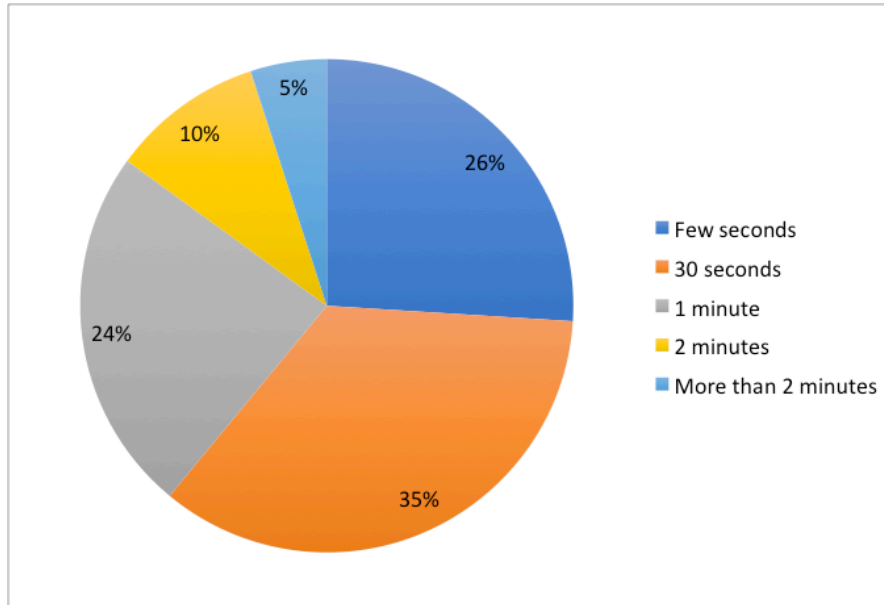
Shower Diverter Leakage: 1,041 responses were received with 65% of respondents stating their tub spout did not leak during showering, while 35% experienced some leakage.



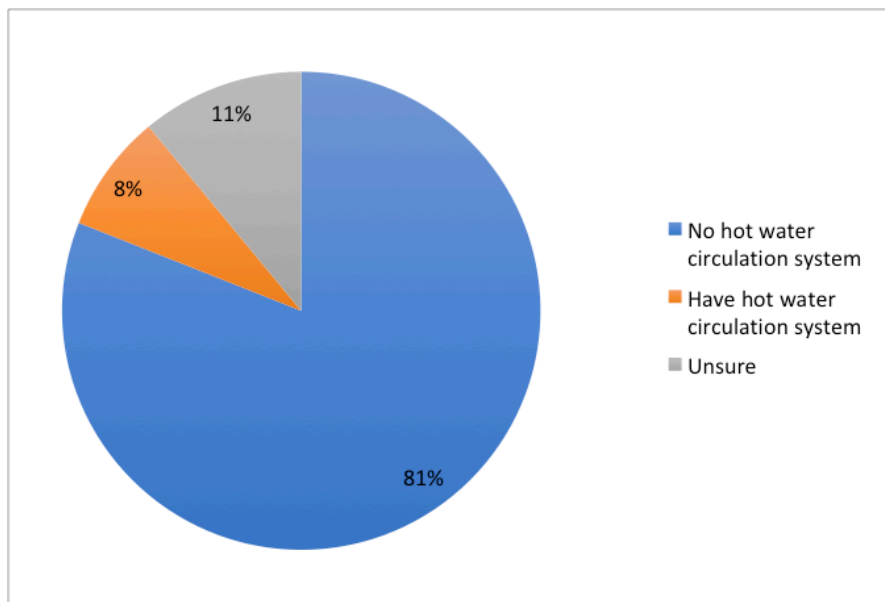
Shower Diverter Leakage: Of the 364 respondents that experienced leakage, 43% described the leak as a “Drip”, 46% as a “Trickle”, and 11% as “Vigorous Leak”.



Hot Water Delivery: 2,093 responses were received, with 26% of respondents stating they wait only a few seconds for hot water to arrive at their shower, 35% wait about 30 seconds, 24% wait about a minute, 10% wait 2 minutes, and 5% wait more than 2 minutes.



Hot Water Circulation System: 2,083 responses were received with 81% of respondents stating they do not have a hot water circulation system in their home, 8% do have a circulation system, and 11% were unsure.



Tankless Water Heater: 2,088 responses were received with 87% of respondents stating they do not have a tankless water heater in their home, 9% do have a tankless water heater, and 4% were unsure.

