

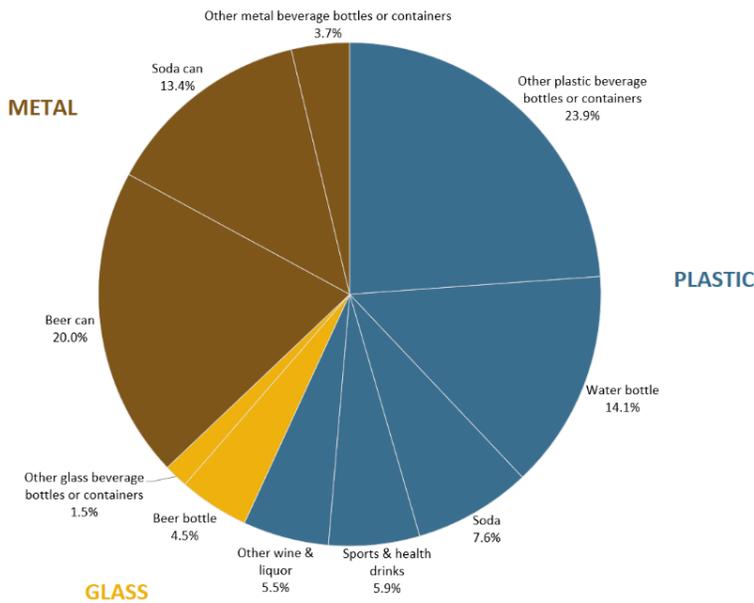
LITTER IN PENNSYLVANIA

RESULTS FROM THE 2019 PENNSYLVANIA LITTER RESEARCH STUDY

BEVERAGE CONTAINERS, FAST FOOD PRODUCTS AND TOBACCO LITTER

Reducing littering behavior is key to a clean and beautiful Pennsylvania. The 2019 Pennsylvania Litter Study provides a comprehensive understanding of the litter issue in Pennsylvania, allowing for the development of tailored strategies and initiatives to combat litter within the Commonwealth. In addition, the Study provides a basis for future measurement of progress towards reducing litter.

AGGREGATE COMPOSITION OF BEVERAGE CONTAINER LITTER BY COUNT (ALL PENNSYLVANIA ROADWAYS)



* For each material group, item categories that composed under 3% of the total were consolidated into the "Other" category for that material.

Litter impacts quality of life, the natural environment and economic development in communities across Pennsylvania. Pennsylvania roadways are littered with approximately 502.5 million pieces of litter.

KEY FINDINGS: BEVERAGE CONTAINERS

- An estimated 29.3 million beverage containers are currently littered on Pennsylvania roadways.
- 93.9 percent of the beverage containers littered on Pennsylvania roadways are composed of plastic (56.9 percent) or metal (37.1 percent). Three percent are composed of glass.
- There are more than 16 million plastic beverage containers littered on Pennsylvania roadways including 4 million plastic water bottles.
- There are more than 10.8 million metal beverage containers littered on Pennsylvania roadways including 5.8 million beer cans and 3.9 million soda cans.
- When asked what is the main type of litter in Pennsylvania, 67 percent of Pennsylvania residents said non-alcoholic beverage bottles and cans for water, soda, tea and coffee and 11 percent said alcoholic beverage container bottles and cans.

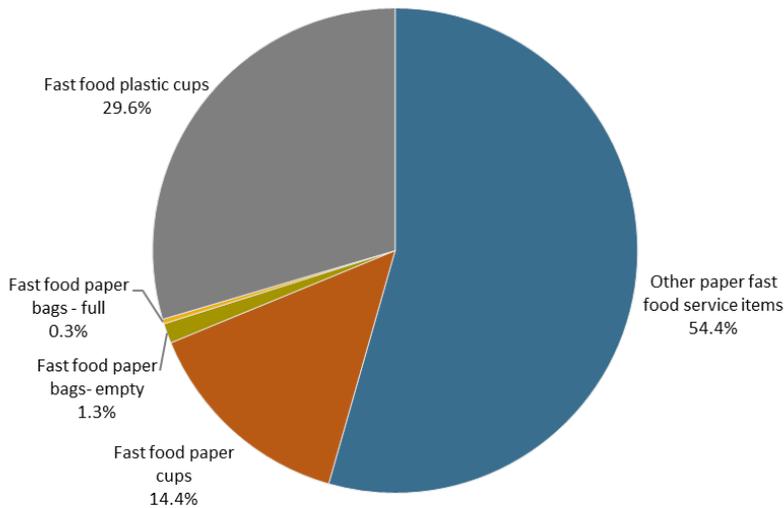
The 2019 Pennsylvania Litter Research Study was prepared by Burns and McDonnell, funded by the Pennsylvania Departments of Environmental Protection and Transportation. The study used methodology developed by Keep America Beautiful. All contents Copyright 2019 Keep Pennsylvania Beautiful.



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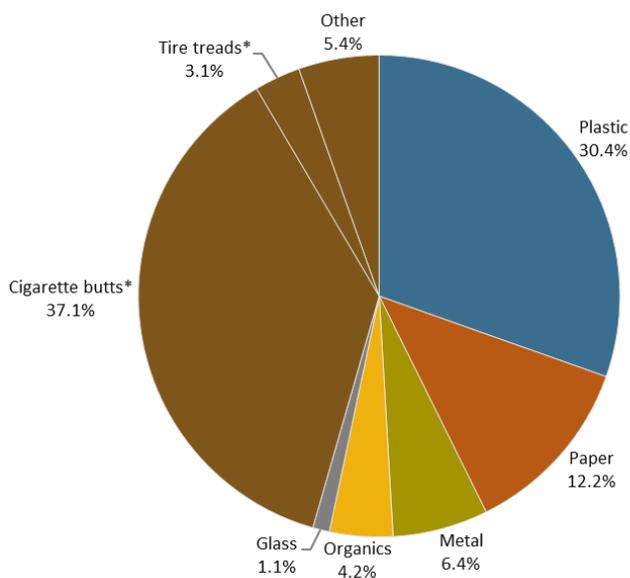
AGGREGATE COMPOSITION OF FAST FOOD PRODUCT LITTER BY COUNT (ALL PENNSYLVANIA ROADWAYS)



KEY FINDINGS: FAST FOOD PRODUCTS

- An estimated 12.3 million fast food products are currently littered on Pennsylvania roadways.
- Fast food products represent .9 percent of litter over four inches and 1.5 percent of litter less than four inches.
- Other paper fast food service items, a category that includes napkins and beverage container holders, and fast food paper and plastic cups represent 98.4 percent of the fast food products littered on Pennsylvania roadways.
- 41.5 percent of Pennsylvanians reported that fast food packaging such as cups, wrappers and bags were the main type of litter in Pennsylvania.

AGGREGATE COMPOSITION OF LITTER (ALL PENNSYLVANIA ROADWAYS)



KEY FINDINGS: TOBACCO

- There are an estimated 186.2 million cigarette butts littered on Pennsylvania roadways.
- 61 percent of Pennsylvania residents reported that cigarette butts and tobacco packaging were the main types of litter in Pennsylvania.
- 96.1 percent of Pennsylvanians consider cigarette butt to be litter.

* Cigarette butts and tire treads were the majority of other litter material group. Therefore, other material group subdivided into cigarette butts, tire treads and other.