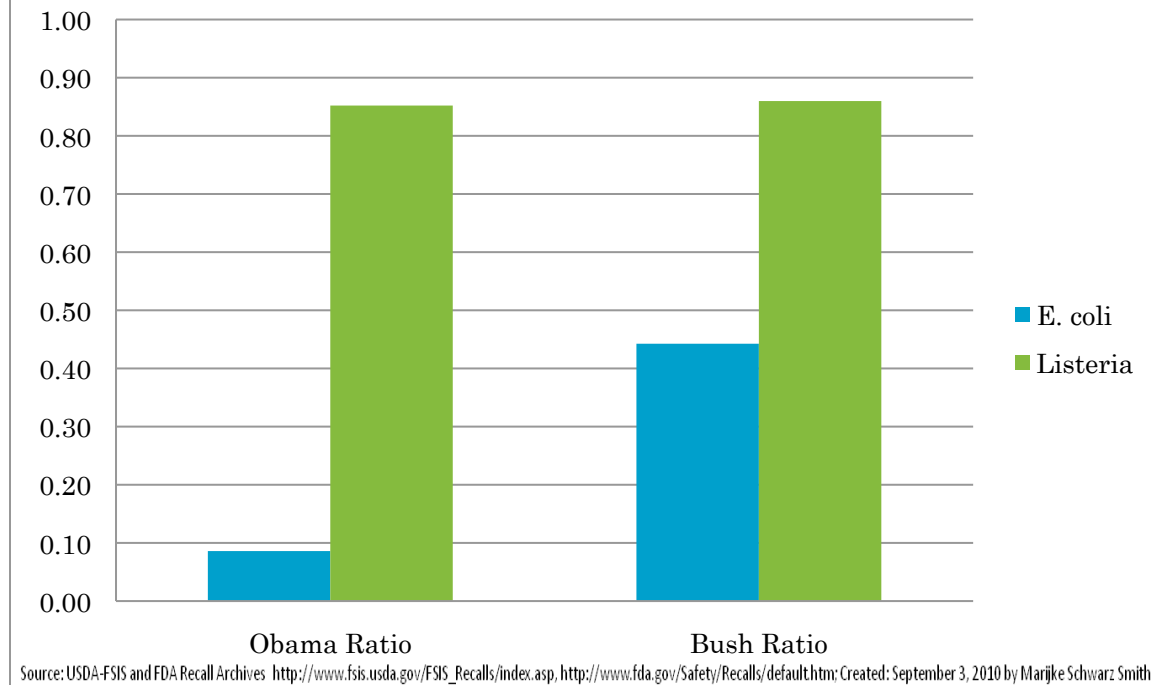
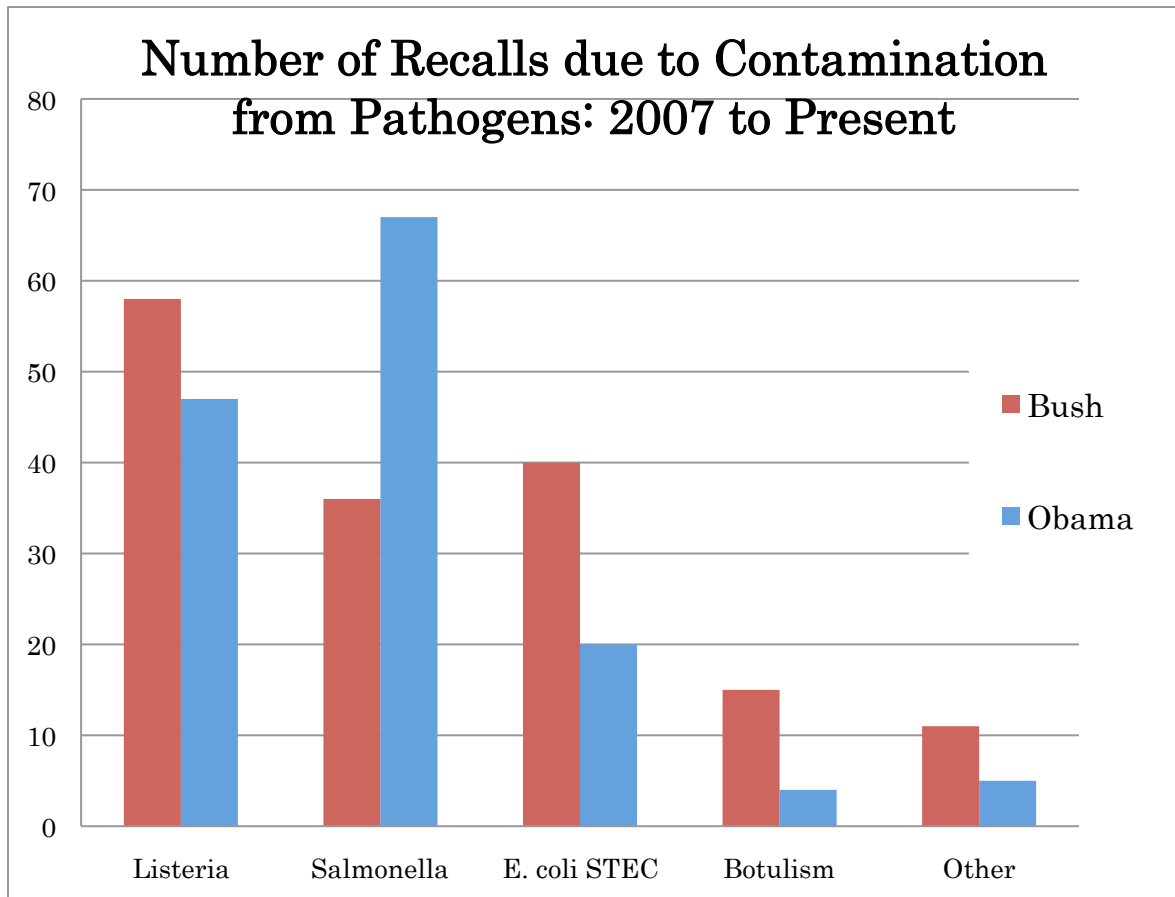


## Ratio of Meat Recovered to Meat Recalled: 2007 to Present

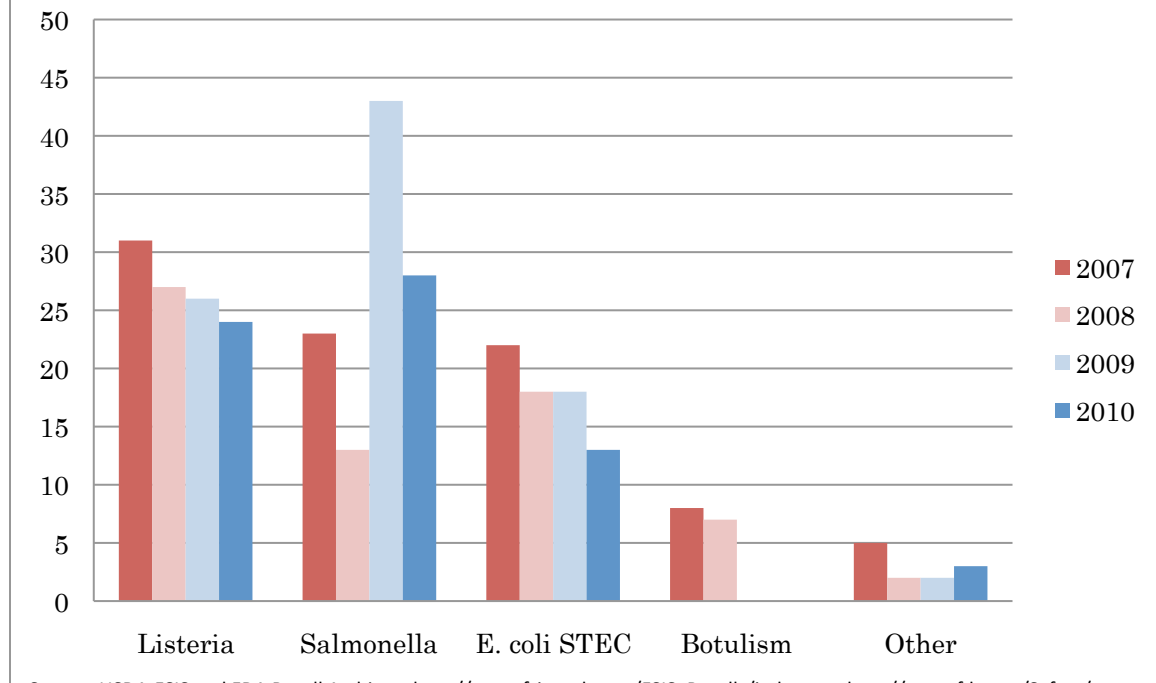


While the total number of pounds of meat recalled shows the extent of the contamination, this indicator of the ratio actually recovered to the recall amount shows how effective the recall was in removing potentially contaminated food items from the food supply. This data has some flaws as many recalls from 2009 and 2010 are still underway or have not had a final count of recovered meat, and many large recalls are unable to provide an estimate of the total amount of meat being recalled. The data here is from the USDA-FSIS website.



Data from both the USDA-FSIS and FDA were used to provide this chart of the number of recalls between 2007 and September 2010 divided by the type of contamination and by the current President. The “Other” category includes rarer pathogens that caused only one or two recalls.

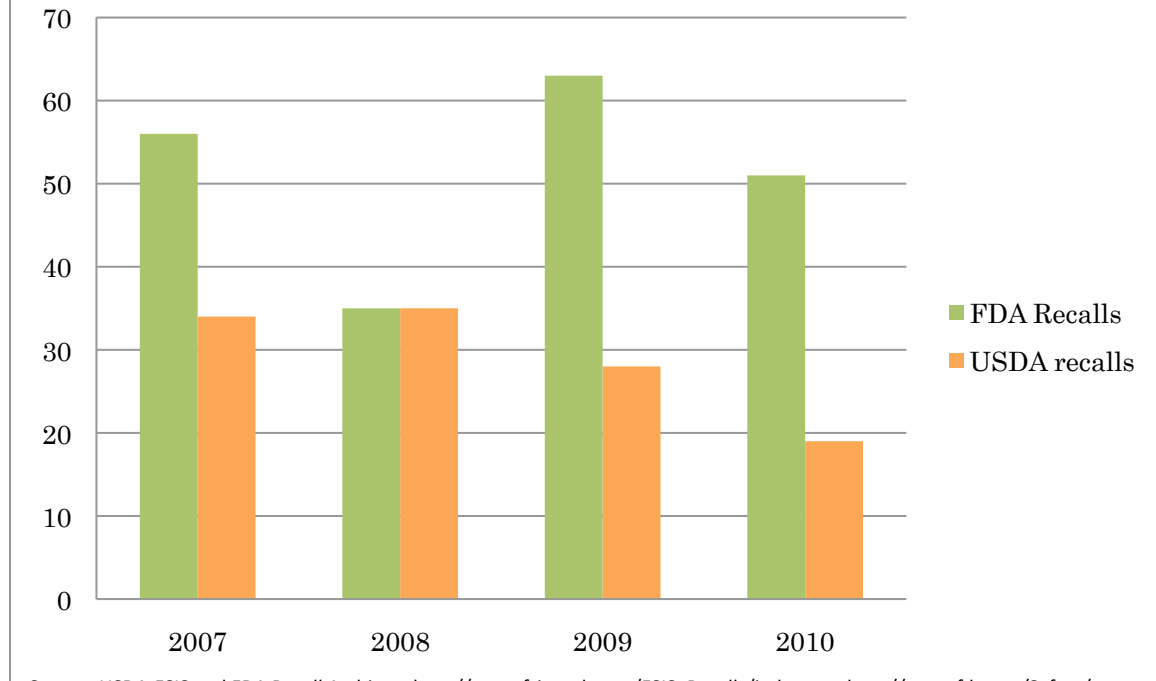
## Number of Pathogen Related Recalls per Year



Source: USDA-FSIS and FDA Recall Archives [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

Data from both the USDA-FSIS and FDA were used to provide this chart of the number of recalls between 2007 and September 2010 divided by the type of contamination and by year. The “Other” category includes rarer pathogens that caused only one or two recalls.

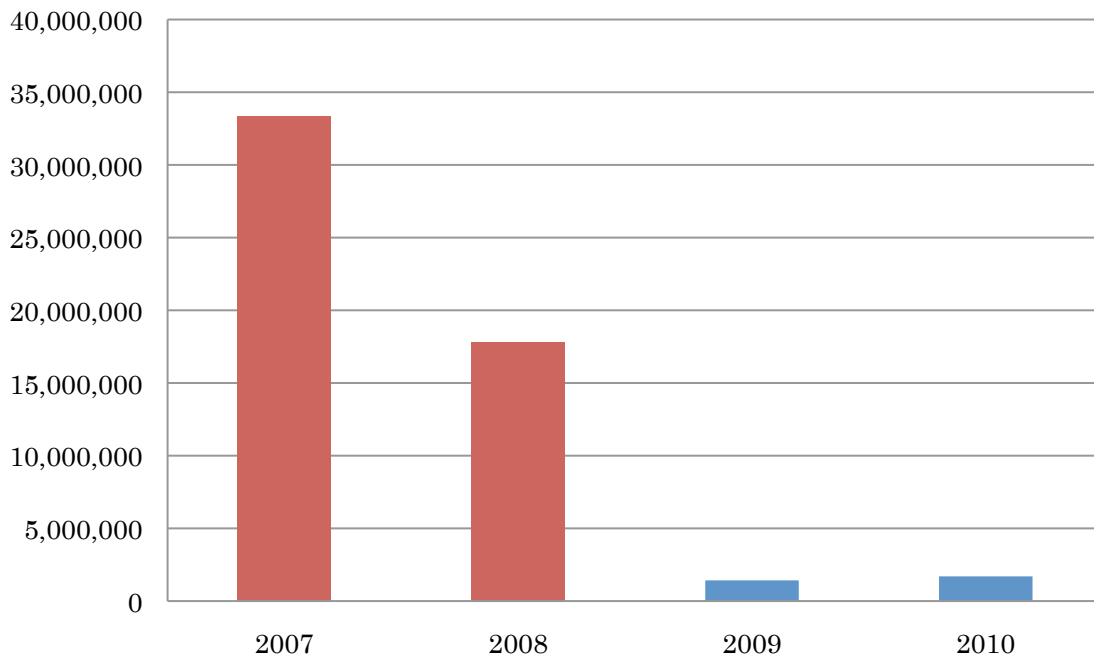
## Foodborne Illness Related Recalls by Agency



Source: USDA-FSIS and FDA Recall Archives [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

The two agencies responsible for issuing food recalls are the USDA and the FDA. The USDA regulates meat products and plants where eggs are broken to be pasteurized for egg products. The FDA regulates all other products. This graph shows a decrease in meat related recalls, while the FDA recalls follow no pattern.

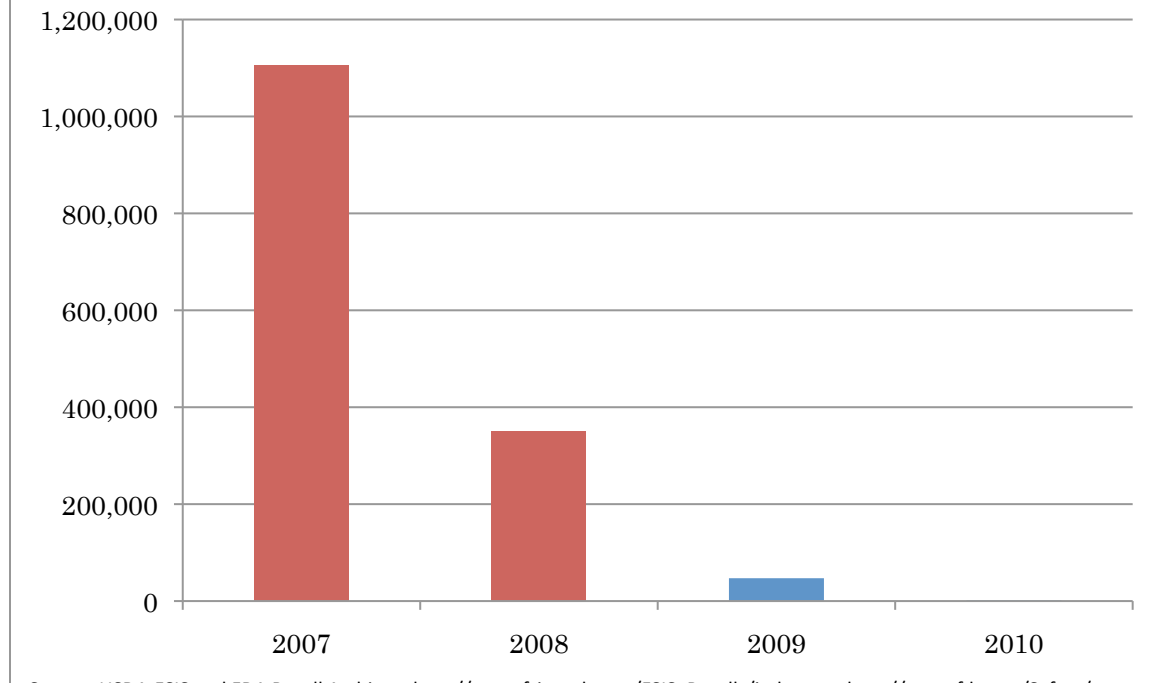
## Pounds of Meat Recalled by the USDA Due to *E. coli* STEC Contamination



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

The USDA provides an estimated number of pounds being recalled for each incident of contamination. This chart shows the trend over the last four years for Shiga Toxin-producing *E. coli* related recalls. It is possible to see a dramatic decrease in the amount of recalled beef in 2009.

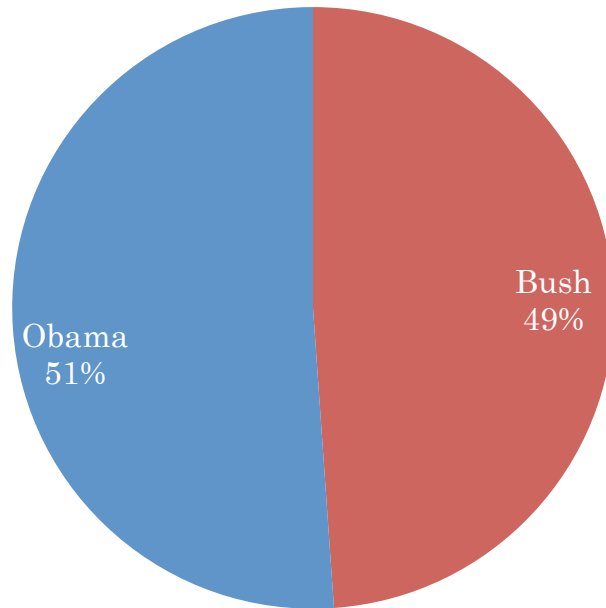
## Pounds of Meat Recalled by the USDA Due to *Listeria* Contamination



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

The pattern seen with the STEC related recalls is also seen in the *Listeria* related recalls. The data provided by the USDA shows a large decrease in the amount of recalled meat.

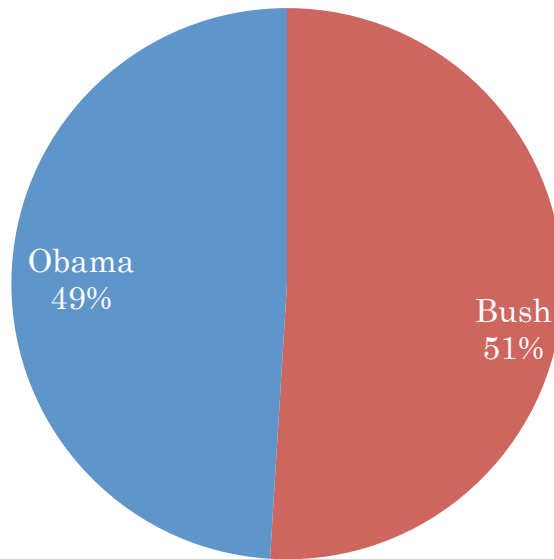
## Percentage of Recalls: 2007-2010



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

This pie chart shows that while the type of foods, number of pounds of meat, and types of pathogens recalled under each President, the total number of recalls has been extremely similar. This chart includes data from both the USDA and FDA recall lists.

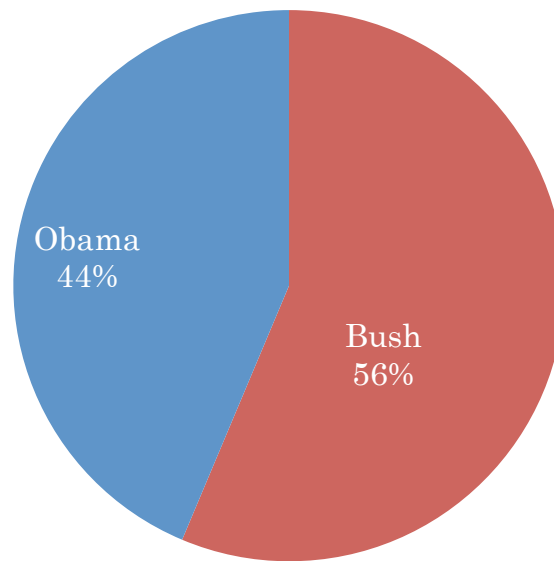
## Percentage of Listeria Related Recalls: 2007-2010



Source: USDA-FSIS and FDA Recall Archives [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

While the absolute amount of the meat recalled due to *Listeria* contamination has been far less from 2009 to the present, the total number of recalls has remained nearly identical according to data from both the USDA and FDA.

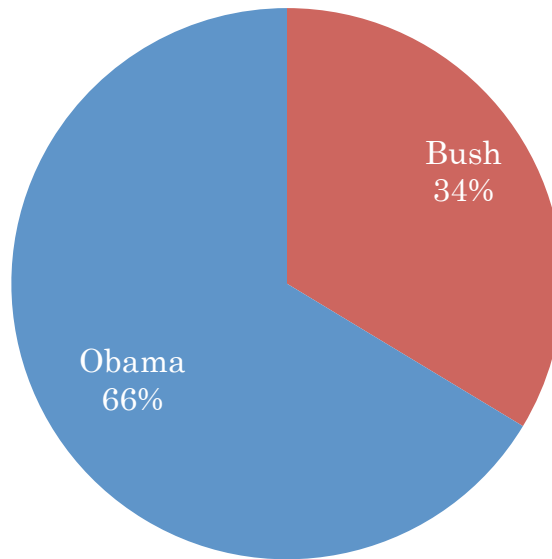
## Percentage of *E. coli* STEC Related Recalls: 2007-2010



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

The percentage of recalls due to STEC has also been relatively similar between the Bush and Obama years. The number of meat related recalls was greater under Bush, but Obama's presidency has seen recalls of *E. coli* contaminated produce.

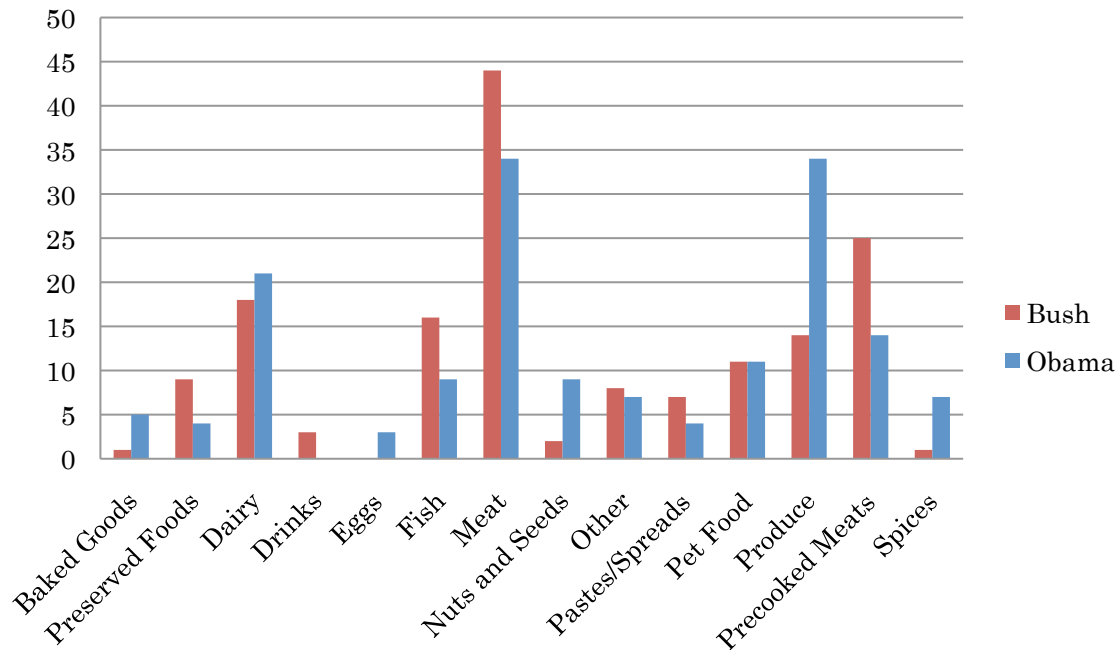
## Percentage of Salmonella Recalls: 2007-2010



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

The large and public recalls due to contaminated peanuts, lettuce, beef, and eggs makes it no surprise that 2009 to the present has seen significantly greater numbers of *Salmonella* related recalls. This data comes from both the USDA and the FDA.

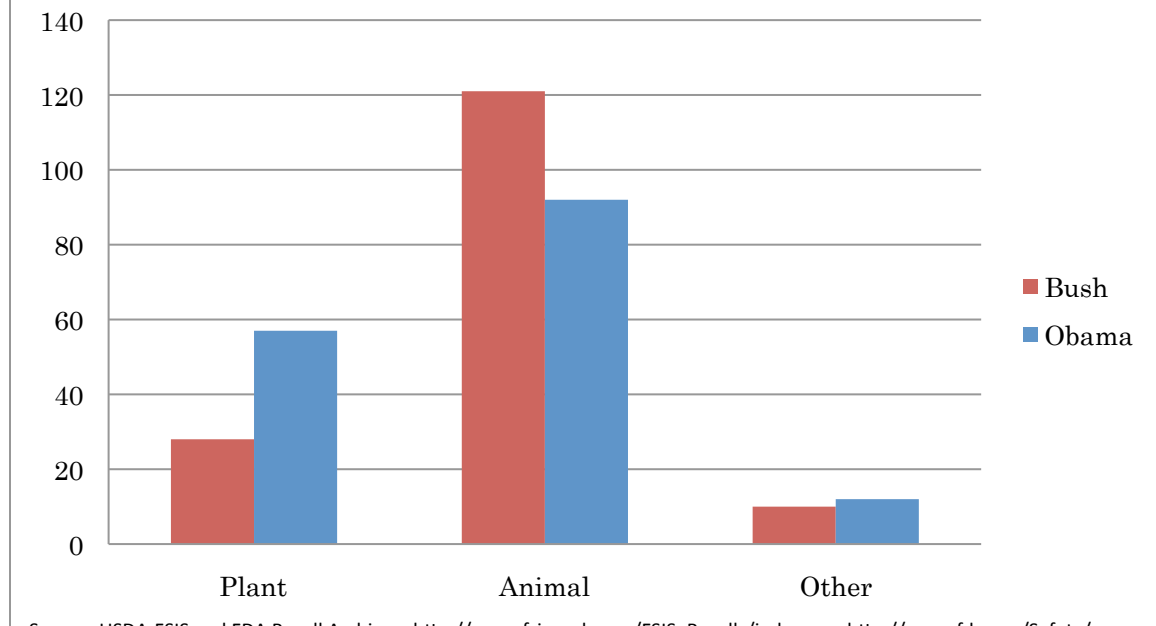
## Pathogen Related Recalls by Food Type 2007-2010



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

Both FDA and USDA data was used to compile this list of food types and the number of recalls of each kind. This list of categories is not defined by either agency, but was made by the graph's creator. As with such situations, some items may be defined as belonging to multiple categories. When this was the case, the item was placed in the one best fitting its description. This graph shows how the types of food recalled are not static, but differ greatly between two-year periods.

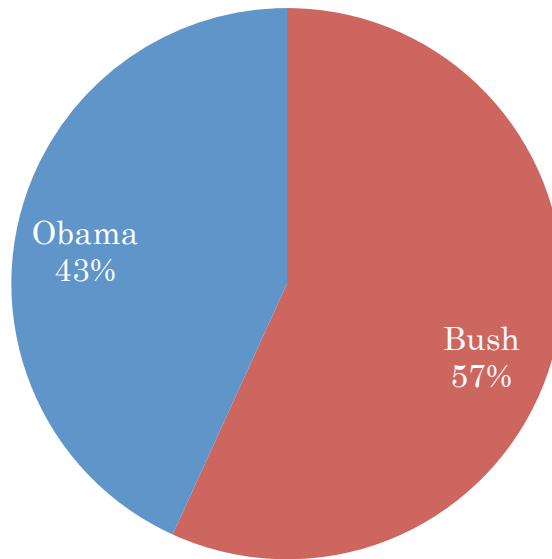
## Origin of Food Recalled due to Pathogen Contamination 2007-2010



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

This graph again divides the foods recalled into categories, though broader ones. Items with plant origins are those considered vegan. All items defined as being animal meat, dairy or eggs were classified as “Animal.” The “Other” category was for items containing both animal and plant based ingredients. The data is from both the USDA and the FDA.

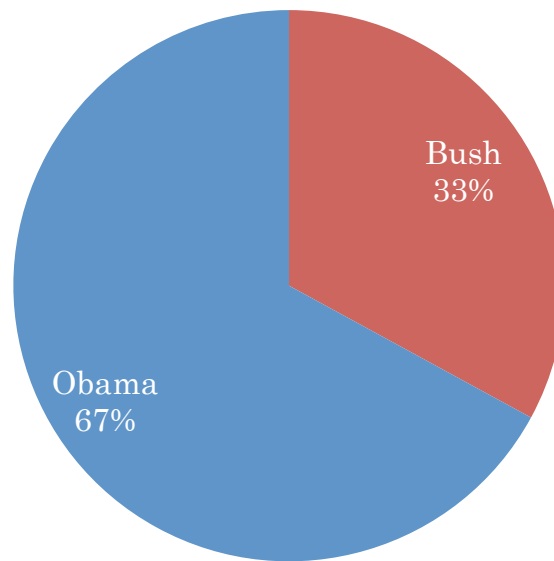
## Percentage of Animal Based Foods Recalled 2007-2010



Source: USDA-FSIS and FDA Recall Archives - [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

This pie graph accompanies the one above by showing the percentage of Animal based foods recalled under each president. The data is from the USDA and the FDA.

## Percentage of Plant? Based Foods Recalled 2007-2010



Source: USDA-FSIS and FDA Recall Archives [http://www.fsis.usda.gov/FSIS\\_Recalls/index.asp](http://www.fsis.usda.gov/FSIS_Recalls/index.asp), <http://www.fda.gov/Safety/Recalls/default.htm>; Created: September 3, 2010 by Marijke Schwarz Smith

This graph compliments both above graphs by showing the percentage of recalls of plant based foods. Again, the data is from both the USDA and the FDA.