The meat industry is unnecessarily pumping antibiotics into animals raised for food, even when animals are not sick. The more we use antibiotics, the more likely it is that antibiotic-resistant bacteria will thrive and spread. This means that essential medicines will be increasingly likely to fail when we need them most: to treat serious infections and to guard against pathogens during surgeries and other medical procedures. Hard-to-treat infections also mean longer and more costly hospital stays. Right now, at least two million people contract antibiotic-resistant infections in the United States each year, and more than 160,000 die. Those numbers will grow dramatically if we don’t take action.

Antibiotic use in livestock contributes to the problem. While the rise of antibiotic-resistant bacteria puts everyone in danger, workers on farms that regularly use antibiotics, as well as employees of many facilities that handle meat, face substantially higher risks from antibiotic resistance.

For more information, please contact:

Allison Johnson
aljohnson@nrdc.org

Avi Kar
akar@nrdc.org

Meat industry workers are regularly exposed to animals and animal waste, raw meat, and infectious bacteria. Scientists and government agencies routinely find antibiotic-resistant bacteria on animals at the time of slaughter and on raw meat in grocery stores. Those bacteria are likely to be resistant to more than one antibiotic. And some can cause dangerous infections in people. For example, studies have shown:

- Nearly half of industrial pig farm workers carried MRSA, an S. aureus strain resistant to multiple antibiotics.
- Pig farm workers were six times more likely to carry MRSA than people not regularly exposed to pigs.
- Certain bacteria carried by slaughterhouse workers were resistant to over 2.5 more classes of antibiotics than the bacteria carried by those workers’ neighbors.
- Poultry workers were 32 times more likely to carry resistant E. coli than others in their communities.
- People in close proximity to animals and animal waste, such as people living near farms or near fields treated with manure, are more likely to be colonized and infected by antibiotic-resistant bacteria.

This means meat industry workers face higher risks of being colonized with drug-resistant strains of bacteria, as well as being sickened by hard-to-treat infections.
MEAT INDUSTRY WORKERS CAN CARRY ANTIBiotic-RESISTANT Bacteria HOME FROM WORK

Antibiotic-resistant bacteria can spread via animals, meat, the environment, and people. They can also “teach” other bacteria to be resistant. Meat industry workers who have been in contact with antibiotic-resistant bacteria may unwittingly carry and spread antibiotic resistance to their families and communities. For example, pig workers’ children are more highly colonized with MRSA than the general public.\textsuperscript{10,11,12,13} This means that \textit{children of meat industry workers may face increased exposure to antibiotic-resistant bacteria} and be at greater risk for contracting resistant infections. This risk is of particular concern because there are fewer safe antibiotic options for children than for adults.\textsuperscript{14}

\textbf{Policies that increase transparency about the use of antibiotics in meat production help curb the overuse of antibiotics and promote public health and safety, including for workers in the meat supply chain and their families.}

\textbf{Endnotes}


