

Coding instructions for content analysis of perceived health problems of air pollution from fossil fuels

For the following variables, code each survey response for the presence or absence (0=absent; present=1) of the following categories listed below. The order in which the categories are mentioned in the survey response does not matter for the purposes of coding, simply the presence or absence of a particular category.

ALLERGIES – This category includes any general reference to allergies.

ASTHMA – This category includes any reference to asthma.

BIRTH DEFECTS/PREMATURE BIRTH – This category includes any reference to birth defects or premature birth. Examples include: “in utero disorders” “premature births” “birth deficiencies”

BLACK LUNG – This category includes any EXPLICIT reference to black lung.

CLIMATE CHANGE/GLOBAL WARMING – This category includes any EXPLICIT reference to climate change or global warming.

COPD – This category includes any reference to chronic obstructive pulmonary disease (COPD), including specific references to bronchitis and emphysema. Examples include: “COPD” “emphysema” “bronchitis”

DEATH – This category includes any references to death, lower life expectancies, or premature death. Examples include: “DEATH” “Premature Death” “Possible lower life expectancies”

DIABETES – This category includes any EXPLICIT references to diabetes.

EYE IRRITATION – This category includes any reference to irritation of the eyes or other eye problems. Examples include: “eye issues” “eye problems” “eye irritation”

HEART DISEASE – This category includes any reference to heart disease, high blood pressure, or other cardiovascular problems. Examples include: “heart problems” “heart issues” “High blood pressure” “reduced cardiovascular capacity”

IMMUNE DEFICIENCIES – This category includes any reference to immune deficiencies or changes in immune system function. Examples include: “decreased immune response” “immune problem” “immune deficiency” “auto immune diseases”

KIDNEY DISEASE – This category includes any NON-SPECIFIC reference to kidney problems or any specific references to certain kidney conditions.

LUNG CANCER – This category includes any reference to lung cancer.

NEUROLOGICAL PROBLEMS - This category includes any reference to neurological problems of effects on the brain/nervous system. Examples include: “neurological issues” “neurologic” “brain” “mental problems” “learning difficulties”

GENERAL RESPIRATORY PROBLEMS – This category includes any references to other lung diseases not captured by the other categories OR NON-SPECIFIC references to

breathing/respiratory/lung problems without citing a specific illness. Examples include: “breathing problems” “breathing” “Respiratory” “respiratory illness” “Lung disease” “shortness of breath”

OTHER CANCER – This category includes any references to other kinds of cancer besides lung cancer OR generalized reference to cancer without naming a specific kind. Examples include: “cancer” “skin cancer”

POOR AIR QUALITY – This category includes any references to poor air quality, smog, ozone, acid rain, or other forms of air pollution. Examples include: “smog” “Air quality”

SKIN IRRITATION – This category includes any reference to irritation of the skin such as skin rashes. This does NOT include references to skin cancer. Examples include: “possible skin irritation issues” “skin irritations” “skin rashes”

SPECIAL POPULATIONS AFFECTED – This category includes any reference to special populations that are affected or most vulnerable. Examples include: “...especially for people living near highways” “...for those who already have compromised lungs” “...for infants, the elderly and people with asthma”

WEAKENING OF BONES – This category includes any NON-SPECIFIC reference to bone problems or the weakening of bones as well as any specific reference to certain bone conditions such as osteoporosis.

DON'T KNOW – This category includes any response that expresses a lack of sufficient knowledge to provide an answer. Examples include: “I don't know” “not sure” “?”

OTHER – This category includes any responses that are intelligible, but that don't fit any of the other categories.

UNINTELLIGIBLE – This category includes any response that includes random strings of characters, OR a response that does not provide sufficient information to categorize it into one of the above categories. This category should only be applied if the ENTIRE response is unintelligible.

SKIPPED – This category includes any response that is left blank or skipped over with a response of “n/a”, any other variation of “not applicable”.