Creation Care is a Matter of Life, Human Life

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“Climate change is the greatest global health threat facing the world in the 21st century, but it is also the greatest opportunity to redefine the social and environmental determinants of health.”

– The Lancet Countdown on Climate Change

One of the greatest obstacles to our evangelical community accepting the reality of climate change is the impacts of such change seeming distant and far away. While growing numbers of people experience and recognize climate change through increasingly extreme and erratic weather, our community best relates to climate through understanding the great harm fossil fuel pollution causes to the health of our children, both born and unborn. We begin to accept reality when very real threats are brought into our living rooms and into our lives.

As evangelical Christians, we believe that all human life is sacred, that each person conceived is of equal and innate value and dignity, and that all human life is worthy of protection. We are pro-life from conception to natural death. Each child has the right to fulfill their God-given potential – what Jesus called the “abundant life” (John 10:10). Here, Jesus was not just referring to a spiritual connection but also a holistic understanding of wellbeing, of body and soul together. He was especially concerned about vulnerable populations being denied this abundant life. “Jesus said, ‘Let the little children come to me, and do not hinder them, for the kingdom of heaven belongs to such as these.’” (Matthew 19:14) Our commitment to Jesus Christ compels us to do all we can to defend children from life-altering and life-threatening pollution whose primary source is fossil fuel combustion, development, and transportation. It is a pro-life concern, plain and simple.

Our experience shows that communicating the threats climate change and pollution pose to our children’s health and future opens hearts and minds to the reality of the climate crisis. Below is a true story of this, which has been repeated literally hundreds of times throughout our ministry.

Shortly before the COVID-19 pandemic changed our lives, we were invited to present at a conference on Gulf Coast restoration near Mobile, AL. The night before the conference, the leadership invited the presenters to share a meal with key attendees. During the dinner, a Southern Baptist attendee scrimmaged...
with us over climate change. He was adamant that climate change was a liberal deception, and that the science was far from settled. Needless to say, the dinner discussion was at best tenuous, if not outright hostile.

To our surprise, the gentleman still attended our seminar the next day and carefully listened as we shared both medical research and stories of how pollution from fossil fuels harms our children’s lungs, hearts, minds, and even lives.

According to the 2020 State of Global Air Report, air pollution accounts for 20% of newborn deaths worldwide (almost 500,000 infant deaths in 2019), most related to complications of low birthweight and pre-term birth. Pre-term birth is the leading cause of neonatal mortality worldwide, affecting more than 15 million infants every year. Children born premature or with low birthweight are at greater risk for death in the first month of life and have higher rates of major illness throughout their lives. The World Health Organization (WHO) estimates 6 million of 20 million pre-term births in 2019 could have been averted by reducing exposure to soot (also known as PM$_{2.5}$) during pregnancy.

Here in the United States, 1 in 9 pregnancies results in pre-term birth. This number almost doubles in African American communities to 1 in 5 children impacted. The leading cause of pre-term birth is intrauterine inflammation, and a leading cause of intrauterine inflammation is PM$_{2.5}$. All this results in approximately 15,808 pre-term births in the U.S.—statistically, 35% of which will result in death—costing $4.33 billion each year.

If the above isn’t enough of a concern, toxic poisons like cancer-causing benzene; volatile organic compounds (VOCs); and methane emitted during the production, transportation, and distribution of oil/natural gas cause severe health threats. According to peer-reviewed medical research, those who live within 0.5 miles of an oil/natural gas facility are at risk for a 25% increase in low birthweight infants; increased brain, heart, spine, or spinal birth defects; a 25% increase in children’s asthma; and a 86-times-greater exposure to cancer-causing chemicals such as benzene and toluene. Over 3.2 million children attend school within this oil and gas “danger zone.” Even more disturbing: newer medical findings suggest that those living up to 5 miles away from these facilities may also be a risk.

Fossil fuel pollution is not just a threat to our children but also to our own health. Soot produced by burning fossil fuels and diesel causes the early death of 1 in 5 people around the world and 200,000 - 350,000 Americans each year. To put this tragedy in context:

- Pollution kills 3 times more people than AIDS, tuberculosis, and malaria combined.
- Pollution also causes 10 times more deaths than war, terrorism, and all forms of violence.

Indeed, according to the American Lung Association’s "State of the Air" 2022 report, more than 40% of Americans—over 137 million people—live in places with unhealthy levels of ozone (smog) or particle pollution (PM$_{2.5}$).

Air pollution’s burden is unfair. Frontline communities and people of color are over three times more likely to be exposed to highly polluted air than white people. Many of the most significant threats fall on our children, both born and unborn. According to the National Survey of Children’s Health, more than 37% of American children suffer from asthma, autism spectrum disorders (ASD), ADHD, or severe allergies. For example, ASD prevalence has increased from 1 in 150 from 2000 - 2002 to 1 in 54 in
Multiple medical studies demonstrate a clear link between these life-altering conditions and pollution from burning fossil fuels and production and the use of petrochemicals.

Simply put, air pollution changes lives. PM$_{2.5}$, ozone, and other pollutants like volatile organic compounds (VOCs) are linked to asthma, allergies, autism (ASD), dementia, cardio-pulmonary diseases, cerebrovascular disease, chronic kidney disease, chronic obstructive pulmonary disease, type 2 diabetes, hypertension, lung cancer, pneumonia, and shorter life spans.

Beyond air pollution’s human toll, climate change itself multiplies threats to human life through increased heat mortality, the spread of vector-borne disease, food and water insecurity, and forced migration.

Worldwide, 80% of displaced people live in areas affected by malnutrition and acute food insecurity. Over the past decade, weather-related events triggered an average of 21.5 million new displacements each year — more than twice as many displacements than those caused by conflict and violence. Oxfam, a secular relief and development agency, states: “One person is forced from home every two seconds by climate-fueled disasters.” Climate change threatens life through world food production declines; increased spread of Lyme Disease, malaria, dengue fever, and cholera; and heat-related deaths, among other factors.

Compounding these tragedies is the fact that the people least responsible for pollution and climate emissions are often the ones who are most impacted by them. Unfortunately, Americans—as well as those living in the entire western world (and now in places like China)—who are most liable are also unlikely to accept reality unless the consequences of climate change are brought home. We have found through thousands of discussions in evangelical churches, conferences, and colleges that sharing the truth of the substantial threats to our children, grandkids, and their future is the best method to demonstrate our need for action. Which brings us back to our story.

Immediately after our presentation and discussion, the irate gentlemen walked up to me and asked, “Are you telling me that climate change causes all these harms to our children?”

“No,” we replied, “but the same things that fill our air with the pollution that is threatening our kids cause climate change.”

“For the sake of our kids, we better start taking action,” he replied.
“The good news is,” we said, “by turning away from fossil fuels to clean energy, we can defend our children’s health, reduce greenhouse gasses and the threats of climate change, and build a clean economy with well-paying, family-sustaining jobs.” By ending our dependence on fossil fuels, we could experience these numerous benefits while building a better world for God’s creation and all God’s children.

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