WHAT'S AN E-CIGARETTE?

- **Mouthpiece**
- **Atomizer**
  - Heats the e-juice to make vapour
- **Tank/Cartridge**
  - A chamber that holds the e-juice
- **Battery**
  - Powers the atomizer

WHAT'S IN THE VAPOUR?

- Propylene glycol (PG)
- Vegetable glycerin (VG)
- Flavourings
- Nicotine (from none to lots)

WHAT'S KNOWN ABOUT THE HEALTH EFFECTS?

**Short term**
- Increased heart rate
- Increased blood pressure
- Increased aortic stiffness

**Long term**
- Increased atherosclerosis
- Increased aortic stiffness

WHAT'S KNOWN ABOUT THE HEALTH EFFECTS?

**What goes in?**
- Chemical analysis (flavourings, metals etc)
- Particle size analysis

**Where does it go?**
- Computational modelling of particle transport

**How do the airways and tissue respond?**
- Cell experiments
- Computer modelling

**How do the lungs respond?**
- Functional MRI
- Computer modelling

DISCOVER MORE ABOUT THE RESEARCH AROUND VAPING

Scan the QR code for an online version of this document, videos, our lung app and details on joining our research study.


Images sourced from: Effects of e-cigarettes and vaping devices on cardiac and pulmonary physiology - https://doi.org/10.1113/JP279754