

# Energy Efficiency Improves Health and Well-Being

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# Energy poverty

- Households that spend a disproportionate amount of income on energy needs
  - more than 6% of hhld income
- Low income least able to alter energy use
  - Older and less efficient homes
  - Limited capital to make improvements



# Consequences of living in energy poverty

- Health implications
  - Higher rates of respiratory health problems
  - Infant lower weight gain and more susceptible to illness
  - Stress and mental health issues
  - Excess winter mortality



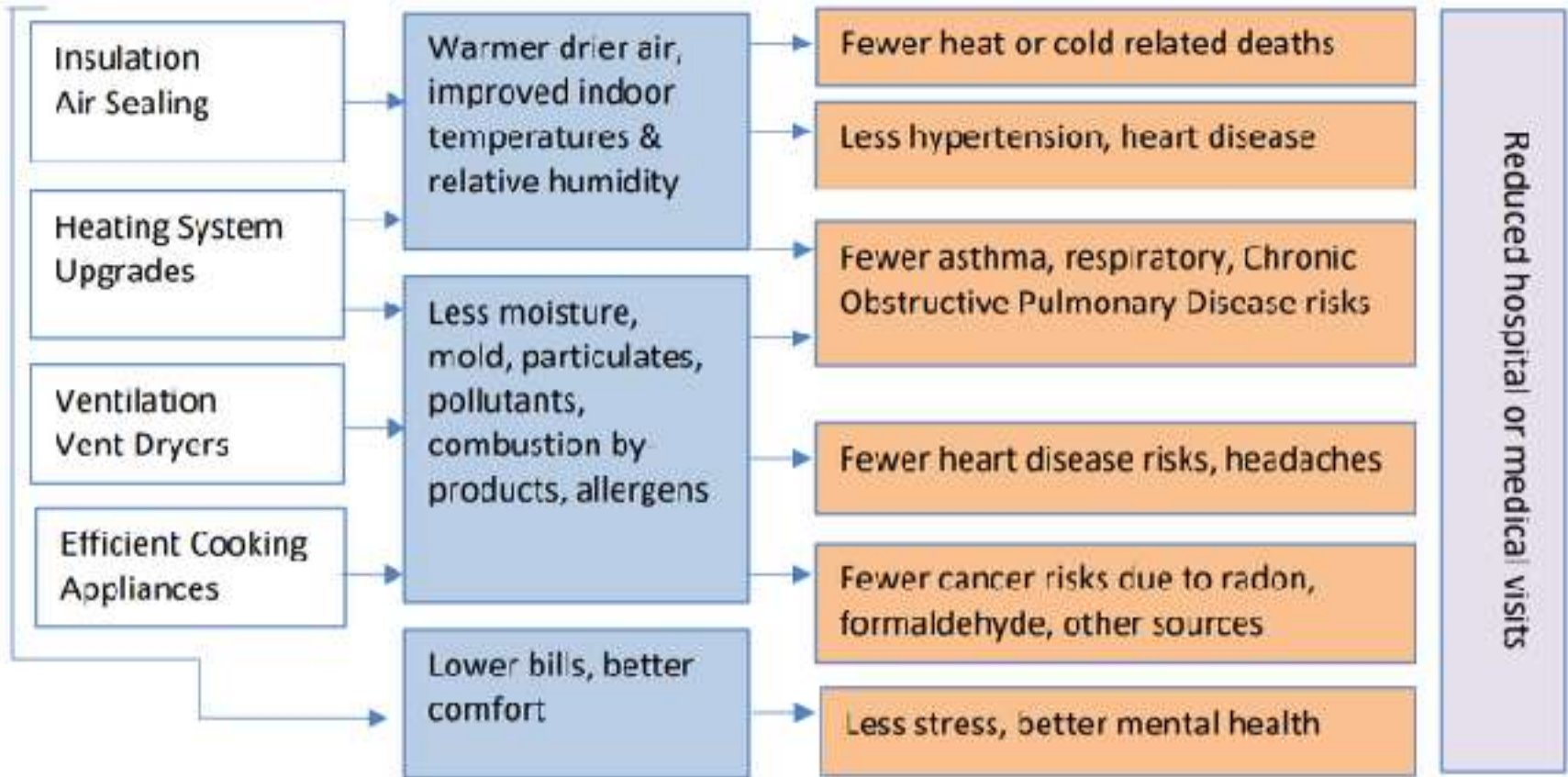
# What are energy efficiency retrofits

- Upgrades to homes to use less energy
  - Insulation and air sealing
  - Space and water heating systems
  - Air exchange systems
- Warmer and more comfortable homes



# Health benefits

Figure ES1: Occupant Health and Indoor Environmental Benefits of Residential EE





# Programs to help make home improvements

- For income-qualified
  - Energy saving kits (ESKs)
  - Energy conservation assistance program (ECAP)
  - Non-profit housing program
- Home renovation program
- New construction



# Income qualification

House hold Size	Maximum Household Income
1	\$32,900
2	\$41,000
3	\$50,400
4	\$61,200
5	\$69,400
6	\$78,300
7+	\$87,200

- 30% above LICO
- Gov't subsidized
- Indigenous communities
- Homeowners, renters

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# Energy savings kits

- Free
- High efficiency showerhead
- Faucet aerators
- Weather-stripping
- Window film
- Outlet & switch plate sealers
- Fridge/freezer thermometer
- LED lights
- Furnace filter coupon
- Installation guide



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# Energy Conservation Assistance Program (ECAP)

- 100% free for customer!
- Turn key
- Customized energy coaching
- Customers can better manage utility bills
- More comfortable home

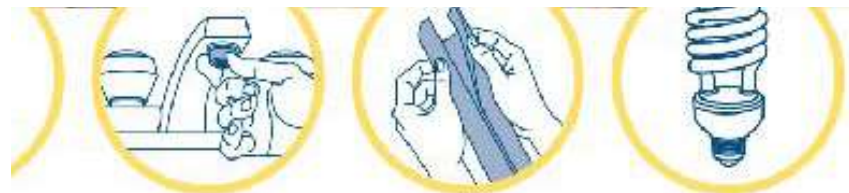


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# ECAP highlights – energy efficient products

- LED & CFL lamps
- Low flow showerhead
- Kitchen and bathroom tap aerators
- Pipe insulation
- Basic draftproofing
- Fridge thermostat
- Energy assessment
- Advice



# ECAP highlights – “advanced” installation

Some customers will qualify for:

- EnergyStar refrigerator
- Draftproofing and insulation
- EnergyStar natural gas furnace



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# Home renovation rebate program

## Rebates for:

- Insulation – up to \$5500
- Furnaces and heat pumps – up to \$2000
- Water heaters – up to \$1000
- Doors and windows - \$50 per window

Improvement bonus – up to \$2000





# New home rebate program

Rebates based on BC Energy Step Code – up to \$8500





# Thank you



For further information,  
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