

## PUBLIC HEALTH ADVISORY

### ADVISORY TO CONSUMERS OF ELECTRONIC CIGARETTES, ELECTRONIC NICOTINE DELIVERY SYSTEMS (ENDS) AND OTHER VAPOR PRODUCTS:

All consumers are advised to use caution when using or considering the use of electronic cigarettes, electronic nicotine delivery systems (ENDS) and other vapor products.

E-cigarettes/vapor products contain chemicals, including nicotine, which is toxic and highly addictive. Nicotine affects the nervous system and heart and can be absorbed into the body through inhalation, ingestion and skin contact.

Excessive exposure to nicotine can result in poisoning, particularly in young children and pets. Liquid contained or used in e-cigarette or vapor devices should not be accessible to children.

E-cigarettes/vapor products are currently unregulated. There is no way to ensure consistency between different manufacturers of the product. Research indicates that e-cigarettes/vapor products may produce variable levels of nicotine and other substances.

E-cigarettes/vapor products emit vapor that contains propylene glycol and tobacco-related contaminants such as formaldehyde and tobacco-specific nitrosamines. The vapor produced by these products is NOT water vapor.

E-cigarettes/vapor products should not be used indoors or in cars. Secondhand vapor contains chemicals that can be inhaled by non-users. Bystanders can inhale nicotine, propylene glycol and tobacco-related contaminants, such as formaldehyde, acetaldehyde, and acrolein at some level.

E-cigarettes/vapor products should not be used by or around children. Most e-cigarettes/vapor products contain nicotine. The vapor produced by these e-cigarettes/vapor products also contains nicotine, which is harmful to brain and fetal development.

E-cigarettes/vapor products have not been adequately tested nor approved as tobacco cessation devices. Nicotine replacement therapy products approved by the FDA contain controlled doses of nicotine and have been tested and regulated for safety and effectiveness.

More research is needed on the impact of e-cigarettes/vapor products and how they affect cancer, heart disease, and other long-term health consequences. Caution is advised until further research is conducted on the long-term effects of e-cigarettes/vapor products.