



Tobacco and Emerging Cancer Tre

General

- **Genetics:** Researchers are studying the role genetics may play in the development of tobacco-related cancers and tobacco dependence.
- **Risk Reduction:** Researchers are studying how cancer risk can be reduced for smokers who cannot or will not stop.
- **Early Detection:** Researchers are testing ways to make early detection for tobacco-related cancers possible.

Trends in Lung Cancer Prevention and Treatment

Researchers are studying the following:

- Helping people quit smoking with support (counseling, nicotine replacement, and other medications)
- Encouraging young people not to start smoking
- Preventing lung cancer in people at high risk by improving their diet and by using vitamins or other medications
- Testing new chemotherapy drugs and drug combinations in clinical trials
- Investigating gene therapy's potential to prevent or treat lung cancer

Trends in Oral Cancer Prevention and Treatment

- As tobacco use declines, so will the incidence and death rates for oral cancers.
- Researchers are testing new methods of administering chemotherapy drugs to develop more effective treatments against advanced oral cancers.
- Clinical trials are testing the effectiveness of new twice-a-day radiation regimens in treating oral cancers. Initial work in this area has found high cure rates with some of the new regimens.
- Some oral cancers contain DNA from human papillomavirus (HPV). Vaccines against these viruses are being studied as a treatment for these cancers.

Trends in Tobacco-related Advocacy Efforts and Funding

- A master agreement exists between more than 46 states and the tobacco industry, making states the major source of funds for tobacco control activities.
- California, Massachusetts, Arizona, and Oregon passed initiatives to increase taxes on tobacco products and use portions of the excise tax dollars to fund comprehensive tobacco control programs
- Several funding opportunities have become available in recent years, such as settlement agreements with the tobacco industry, excise taxes, and federal and private sources for states to use in their tobacco control efforts.