

## **GOAL 1 DEVELOP NEW AND IMPROVED VACCINES**

There are five objectives for this goal:

### **Objective 1.1 Develop New and Improved Vaccines for Priority Diseases**

**Strategy 1.1.1:** Expand basic and preclinical research required to develop new and improved vaccines for priority infectious and other diseases, including autoimmune, allergic, and neoplastic diseases, through the collaborative efforts of public, private, philanthropic, academic, and industrial organizations.

**Strategy 1.1.2:** Expand basic research to enhance the understanding of immunity related to vaccines.

**Strategy 1.1.3:** Expand clinical research on the improvement of available vaccines and the development of new vaccines to increase the number of diseases that are vaccine preventable for priority diseases -- for example, sexually transmitted diseases, including HIV, tuberculosis, respiratory syncytial virus, measles, pneumococcus, rotavirus, and malaria.

**Strategy 1.1.4:** Ensure support for research on vaccines to prevent endemic infectious diseases of significance to the U.S. military and to protect against biological weapons.

**Strategy 1.1.5:** Conduct periodic reevaluation of priorities for new and improved vaccines, including those against emerging diseases.

### **Objective 1.2 Ensure the Nation's Capability to Detect and Respond Effectively to New and Emerging Diseases in the United States and Abroad**

**Strategy 1.2.1:** Enhance the Nation's capability to perform domestic and international surveillance of new and emerging infectious diseases, including those of military significance.

**Strategy 1.2.2:** Enhance collection of information required to recognize changing prevalence of existing and emerging infectious diseases.

**Strategy 1.2.3:** Expand the Nation's capability to conduct research on potentially hazardous emerging agents in order to develop and test candidate vaccines.

**Strategy 1.2.4:** Develop contingency plans to deal effectively with new epidemics.

### **Objective 1.3 Enhance the Process of Translating Technologic Innovation into New Vaccines**

**Strategy 1.3.1:** Ensure application of basic research to vaccine development.

**Strategy 1.3.2:** Explore approaches to maintain integrity of intellectual property rights in government/industry interactions leading to vaccine development.

### **Objective 1.4 Ensure the Nation's Capability to Evaluate New Vaccines and to Conduct Prompt Reviews of New and Improved Candidate Vaccines**

**Strategy 1.4.1:** Establish or enhance regulatory/research units for priority vaccine-related areas in order to develop new standards, regulatory tools, and/or models for evaluating, characterizing, and approving new vaccines.