I. PURPOSE:
Vaccines are among the most cost-effective clinical preventive services and are a core component of preventive services. Immunization and proper use of vaccines is an important defense against preventable infectious disease along with antibiotics, screening and testing guidelines and scientific improvements in the diagnosis of infectious disease-related health concerns (Healthy People 2020). The CDC recommends routine vaccination from birth through adulthood for lifetime protection against many diseases and infections.
This guideline will define the expected standards of health care for all eligible Denver Health Medical Plan (DHMP) pediatric, adolescent and adult members regarding immunizations within preventive health care services.

II. POPULATION:
All eligible members across all age groups for protection from infectious diseases through the use of vaccines. Use of vaccines reduces the risk of an individual transmitting infection to others, thereby conferring protection to the community.

III. GUIDELINE:
Vaccines will be recommended based on current nationally recognized vaccine-specific clinical care guidelines. These guidelines are based on the recommendations of the Advisory Committee on Immunization Practices (ACIP) of the Centers for Disease Control and Prevention (CDC) and the Colorado Department of Public Health and Environment (CDPHE). Further details may be accessed via https://www.cdc.gov/vaccines/schedules/hcp/imz/child-adolescent.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fvaccines%2Fschedules%2Fhcp%2Fchild-adolescent.html

AAP 2019 Updates/Changes:
- Early administration of hepatitis A vaccine and measles, mumps, rubella vaccine noted for children 6-11 months of age, prior to international travel
- Recommendations for influenza include live attenuated influenza vaccine as well as information about administering vaccine to egg-allergic children
- Vaccines recommended for children with specific medical conditions, including pregnancy, are included on a separate table
- Providers advised to refer to local health departments for guidance on immunization during a current outbreak
- For the catch-up schedule, recommendation is that children who receive Tdap vaccine (for diphtheria, tetanus, and acellular pertussis) between 7-9 years, should receive Tdap again at age 11-12 years

NOTE:
This guideline is designed to assist providers by providing an analytical framework for the evaluation and treatment of patients, and is not intended either to replace a clinicians judgment or to establish a protocol for all patients with a particular condition.
Vaccination Schedules: as attachments below
1. Child and Adolescent Schedule (includes catch up schedule and special populations)
2. Adults, aged 19 years or older (includes special populations)

IV. ATTACHMENTS:
A. Child and Adolescent Comprehensive Immunization Schedule (Includes catch-up schedule and special populations)
B. Adult Immunization Schedule aged 19 years or older (Includes special populations)

V. REFERENCES:

NOTE:
This guideline is designed to assist providers by providing an analytical framework for the evaluation and treatment of patients, and is not intended either to replace a clinicians judgment or to establish a protocol for all patients with a particular condition.