Dyslipidemia Risk Assessment
CHILD AND TEEN CHECKUPS (C&TC) FACT SHEET FOR PRIMARY CARE PROVIDERS

C&TC Requirements

General
A risk assessment for dyslipidemia is required at the following C&TC visits:
- At age two, four, six and eight years of age.
- At least once at each of the following ages: 9-11 years, 12-16 years, and 17-20 years.

Universal dyslipidemia blood testing is not required for C&TC. It is left up to provider discretion whether to perform laboratory testing.

Personnel
Review and interpretation of the dyslipidemia risk assessment should be completed by a licensed health care provider (physician, nurse practitioner, physician assistant, or registered or public health nurse (RN, PHN) who has completed the C&TC Comprehensive Screening training through the Minnesota Department of Health (MDH).

Documentation
Document that risk assessment for dyslipidemia was done, along with appropriate counseling and follow-up.
For documentation examples, refer to the C&TC Documentation Forms for Providers and Clinics (www.dhs.state.mn.us).

Procedure

Risk Assessment
The following are examples of recommended risk factors that can be identified through the personal and family health history and physical measurements (American Academy of Pediatrics, 2017). Some or all of these factors may be included in the risk assessment:
- Parent, grandparent, aunt or uncle, or sibling with myocardial infarction (MI); angina; stroke; or coronary artery bypass graft (CABG), stent, or angioplasty at younger than 55 years in males and younger than 65 years in females.
- Parent with total cholesterol ≥240 mg/dL or known dyslipidemia.
- Patient has diabetes, hypertension, or body mass index (BMI) ≥95th percentile or smokes cigarettes.
- Patient has a medical condition that places them at moderate or high risk for dyslipidemia.

Laboratory Testing and Management
Ensure appropriate counseling and other follow-up based on results of the risk assessment. Refer to the Anticipatory Guidance Section on page two of this fact sheet.
Health care providers should use their clinical judgement and consider currently available evidence to determine what type of evaluation (including laboratory testing) may be appropriate based on the patient’s age, personal and family health history, and other factors.

More Information
C&TC guidelines for dyslipidemia follow Bright Futures recommendations related to risk assessment, but differ regarding universal
DYSLIPIDEMIA RISK ASSESSMENT C&TC FACT SHEET

dyslipidemia blood testing. The AAP recommends routine dyslipidemia laboratory screening on all children and youth at 9 to 11 years and 17 to 21 years. However, the U.S. Preventive Services Task Force found insufficient evidence for universal screening.

Anticipatory Guidance

Professional Recommendations
American Academy of Pediatrics
Risk assessment for dyslipidemia should be done at two, four, six, and eight years, and between 12 and 16 years. Universal lipid screening using the non-fasting, non-HDL total cholesterol should be performed once pre-puberty (at 9 to 11 years) and once post-puberty (at 17 to 21 years) (American Academy of Pediatrics, 2011).

U.S. Preventive Services Task Force
The USPSTF issued an “I” statement in 2016, indicating that “current evidence is insufficient to assess the balance of benefits and harms of screening for lipid disorders in children and adolescents 20 years or younger” (United States Preventive Services Task Force, 2016).

Resources
Minnesota Department of Human Services
- C&TC Schedule of Age-Related Screening Standards (www.dhs.state.mn.us)
- Minnesota Health Care Programs (MHCP) Provider Manual - C&TC Section (www.dhs.state.mn.us)

Minnesota Department of Health
- Child and Teen Checkups (C&TC) (www.health.state.mn.us)

Centers for Disease Control and Prevention
- Preventing Heart Disease (www.cdc.gov)

References

For More Information
The Child and Teen Checkups (C&TC) program is administered through a partnership between the Minnesota Department of Human Services and the Minnesota Department of Health.

For questions about this fact sheet or to obtain this information in a different format, call 651-201-3760 or email health.childteencheckups@state.mn.us.

Reviewed 04/2020