How to Read the New Recommendation Statement: Methods Update from the U.S. Preventive Services Task Force

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Since 2001, the U.S. Preventive Services Task Force (USPSTF) has worked to refine its methods of evidence review and assessment and to create more usable documents in response to clinicians’ needs. These changes have resulted in a revised grading system, as well as a new format and new language for the recommendation statement. This paper focuses on the changes to and the new look of the USPSTF recommendation statement. The new recommendation statement comprises 9 sections. Important changes include standardization of the format of the summary statement to specify what service is being recommended in what population; standardization of the headings in the rationale section; a change in the wording of the grade C recommendation and the I statement; and a new section, called “Other Considerations,” in which salient issues related to cost-effectiveness, mandates, and other implementation issues are described.


For author affiliations, see end of text.
judgment of net benefits (benefits minus harms), including whether net benefits are positive, negative, or uncertain. The GRADE process more directly includes costs than the USPSTF approach, although the USPSTF does consider the time and effort of patients and providers. The GRADE working group is developing a system that will apply to many areas, including public health, diagnostic, treatment, and prevention issues, whereas the USPSTF is more narrowly focused on prevention.

A full description of the steps in the production of recommendations in the GRADE framework is not yet available, because several considerations in the GRADE recommendation phase are still under development. The USPSTF looks forward to an ongoing dialogue with the GRADE working group, with the hope of coming to consensus on a standard process and language to minimize confusion and maximize communication.

In 2004, AHRQ conducted focus groups with 23 community-based and academic primary care physicians in Washington, DC (2 groups), and San Diego, California (1 group), to assess the extent to which current USPSTF recommendations and products are understandable and useful to them. Focus group respondents suggested improvements in the format and dissemination of the Task Force’s recommendations. They reported an interest in being able to choose the level of detail they accessed in recommendations and the form in which they accessed them (for example, in print or on a Web site). Using this first set of focus group findings, the Task Force pretested 3 possible new formats in 2005 in 4 focus groups held in Baltimore, Maryland. Participants provided feedback about how formatting could highlight key information. Further refinements to the “new” recommendation statement were reviewed in 2006 with 4 focus groups of practicing primary care physicians in Baltimore and the metropolitan Washington, DC, area, during which participants offered the consistent message that busy practicing clinicians require efficient tools that are clear and concise, use simple language, and have a clear format. Clinicians want to be able to scan written documents quickly, identify the relevant patient population, and see what actions are recommended.

The New Recommendation Statement

Recommendation statements now comprise 9 major sections (Table).

Preamble

The preamble stresses that although evidence is the primary basis for USPSTF recommendations and statements about preventive services, the decisions made by clinicians for individual patients include other important considerations, such as the patient’s clinical state and circumstances and personal preferences, factors that are important to consider when implementing any USPSTF recommendation (7). Likewise, the preamble states that policy decisions should consider local resources, constraints, expertise, and priorities. In addition, decisions about the screening and treatment of individuals and policy decisions should include a clear understanding of the evidence, which the USPSTF seeks to provide.

Summary of Recommendation and Evidence

The second part of the recommendation statement is the Summary of Recommendation and Evidence (for an example, see the recommendation statement that also appears in this issue [8]). This statement describes the recommendation and includes the letter grade. This is the “bottom line” of the USPSTF’s statement.

The USPSTF will continue to assign a letter grade to signify its assessment of the level of its recommendation. The grade will be based, as before, on the USPSTF’s assessment and synthesis of the overall evidence and the magnitude of net benefit (benefits minus harms). The evidence will no longer receive an overall assessment of “good,”

Table. Contents of the U.S. Preventive Services Task Force Recommendation Statement*

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<tr>
<th>Section</th>
<th>Description</th>
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<tr>
<td>Preamble</td>
<td>The preamble orients readers to the intention and proposed usage of USPSTF recommendations with regard to clinical practice. The grade will be based, as before, on the USPSTF’s assessment and synthesis of the overall evidence and the magnitude of net benefit (benefits minus harms).</td>
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<tr>
<td>Summary Statement</td>
<td>This statement describes the recommendation and includes the letter grade. This is the “bottom line” of the USPSTF’s statement.</td>
</tr>
<tr>
<td>Structured Rationale</td>
<td>This section is a brief summary of the USPSTF’s reasoning for its recommendation. It concludes with a brief overall assessment of the evidence.</td>
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<tr>
<td>Clinical Considerations</td>
<td>This section gives clinicians detailed information about how to provide or offer the preventive service within the clinical setting.</td>
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<tr>
<td>Other Considerations</td>
<td>This section provides information that may assist clinicians and policymakers on cost and cost-effectiveness, resources required to implement the service, mandates, and current practice. Identified priorities for future research and research funding are also included.</td>
</tr>
<tr>
<td>Discussion</td>
<td>This section summarizes the USPSTF’s interpretation of important individual studies or groups of studies and indicates how the evidence justifies the recommendations made. The reader should come away from this section with a general appreciation of the topic and especially the evidence that the USPSTF uses to support each recommendation.</td>
</tr>
<tr>
<td>Recommendations of Others</td>
<td>This section summarizes how other organizations and professional groups have judged the use or performance of this service.</td>
</tr>
<tr>
<td>References</td>
<td>This section provides a small sample of the important literature on a topic and includes the citation of the evidence review.</td>
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<tr>
<td>Tables</td>
<td>Two tables are published with each recommendation: “What the U.S. Preventive Services Task Force Grades Mean and Suggestions for Practice” and “U.S. Preventive Services Task Force Levels of Certainty Regarding Net Benefit.”</td>
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</table>
“fair,” or “poor”; rather, the product of the evidence assessment and synthesis by the USPSTF will be expressed as levels of certainty. This change in terminology is intended to add precision to the description of the recommendation-making process and does not indicate a change in the process of evaluating the evidence. In brief, certainty represents the USPSTF’s judgment about the overall evidence of net benefit. The Task Force’s recommendation letter grades are explained in Table 1 on page 132.

While the USPSTF continues to use the same letter grades as it used in the past, some of the wording has changed. The description of an A recommendation no longer contains the word “strongly”; therefore, the A and B recommendation language is now the same. The USPSTF intentionally wanted to emphasize the importance of offering interventions with A and B recommendations, rather than distinguishing them on the basis of the certainty and magnitude of net benefit. The wording of the grade C recommendation represents perhaps the most important change in tone. The previous grade C recommendation read: “The USPSTF makes no recommendation for or against routine provision of the service. The USPSTF found at least fair evidence that [the service] can improve health outcomes but concludes that the balance of benefits and harms is too close to justify a general recommendation.” The new version will read: “The USPSTF recommends against routinely providing X service for Y population. There may be considerations that support providing the service in an individual patient.”

The concept of the close balance of benefits and harms from the previous version (the italicized sentence in the preceding paragraph) is now captured by a new summary statement in the rationale section of the new recommendation statement: “There is at least moderate certainty that the net benefit is small.” This change is meant to indicate that although there is evidence of a small net benefit, the USPSTF has judged that this net benefit is too small to justify routine implementation of the service in the target population.

When the USPSTF cannot estimate the magnitude of benefits or harms with any certainty, it assigns a grade of “I” to indicate that there is insufficient evidence to support a recommendation for or against provision of the service. In the new format, this grade will be associated with a statement, not a recommendation, because the USPSTF is not issuing a recommendation for the use or nonuse of the particular service. The USPSTF is aware of the conundrum faced by clinicians who must decide whether to offer a service in the face of insufficient evidence. If such services are used, clinicians and patients should understand that there is uncertainty about expected benefits and harms. A future paper in this series will discuss domains in which the Task Force plans to provide information to clinicians to inform both their conversations with patients and their decisions.

Structured Rationale

The Structured Rationale contains elements unique to each topic and provides a more detailed description of considerations specific to the particular recommendation or type of recommendation. For example, the rationale for a screening service includes information about the importance of the condition, detection of the condition, benefits and harms of early detection and treatment, and critical gaps in knowledge. (For an example, see the recommendation statement that also appears in this issue [8].) The structured rationale is a summary of the USPSTF’s reasoning for its recommendation. This section concludes with a brief overall assessment of the evidence.

Clinical Considerations

The goal of the Clinical Considerations section is to provide clinicians with detailed information about how to provide or offer the preventive service within the clinical setting. This section addresses identification of the population for whom the recommendation is intended and populations for whom it is not intended; information relevant to I statements, as appropriate; and practical information on use of the service (for example, information on tests, periodicity, ages for starting or stopping the service, risk factors, shared decision making, and treatment).

Other Considerations

The Other Considerations section is a new part of the standard recommendation statement. It provides information that may assist clinicians and policymakers on cost and cost-effectiveness, resources required to implement the service, mandates, and current practice. In this section, the USPSTF will identify key gaps in the evidence and will discuss priorities for future research and research funding.

Discussion

The Discussion section describes the scope of the evidence review and provides additional detail on how the evidence of benefits and harms, and the collective judgment of the USPSTF, were combined to determine the recommendation. The USPSTF uses this section to summarize its interpretation of important individual studies or groups of studies and to indicate how the evidence justifies its recommendations. The reader should come away with a general appreciation of the evidence the USPSTF uses to support each recommendation.

Recommendations of Others

This section summarizes how other organizations and professional groups have judged the use or performance of this service.

References

The References section at the end of the recommendation statement gives only a small sample of the important literature on a topic and includes the citation of the evidence review. Readers can find a more complete list of references at the end of the evidence review.
A pair of tables describes what the Task Force recommendations mean and what implications they have for clinical practice.

The first table, “What the U.S. Preventive Services Task Force Grades Mean and Suggestions for Practice” (see Table 1, page 132), provides definitions of the A, B, C, and D recommendations and the I statement, with suggestions for practice. This last element was added to emphasize how the USPSTF intends its recommendations to be used. The second table, “U.S. Preventive Services Task Force Levels of Certainty Regarding Net Benefit” (see Table 2, page 132), contains a short narrative, with examples of how levels of certainty are defined by the USPSTF.

These 2 tables will be published with each new recommendation from the USPSTF.

**One-Page Clinical Summary**

The USPSTF has created a new document specifically to meet the needs of practicing primary care clinicians. This 1-page clinical summary, appended to the recommendation statement, was developed in response to user feedback. It displays the recommendations and clinical considerations in an easy-to-grasp, tabular format. It is intended to provide immediate access to information related to the specific populations affected by the recommendations (for example, men, adults at increased risk, and pregnant women) and information to help clinicians provide the service or understand why the service is not recommended. The Figure shows a template for this clinical summary page. (For a specific example, see the Figure on page 131.)

Clinicians who wish to learn more about the evidence and rationale that led the USPSTF to make its recommendation are encouraged to read the full recommendation statement and the supporting evidence synthesis.

**Targeted Audiences for Recommendation Statements**

Although the USPSTF makes recommendations about preventive services for primary care clinicians, it recognizes...
that the recommendation statements may provide useful information for a wider range of audiences. The new USPSTF recommendation statement provides a number of audiences with quick access to targeted information.

Busy clinicians in many areas of medicine should find particularly useful the 1-page clinical summary; the clinical considerations section; the electronic preventive services selector (available at www.epss.ahrq.gov, for use on the Web or for download to a personal digital assistant); and the pocket-sized, annual Guide to Clinical Preventive Services (available from AHRQ at 800-358-9295 or by e-mail at AHRQPubs@ahrq.hhs.gov). The latter 2 resources are quick, easy-to-use tools in which all the current USPSTF recommendations are packaged in 1 handy source.

Researchers can look to the USPSTF recommendations to find gaps in the evidence identified. They should find useful the rationale section and the section on other considerations. The evidence syntheses, which are updates of all the evidence the USPSTF considered on a particular topic, should also be useful to researchers.

Policymakers and others concerned with coverage issues may be particularly interested in the recommendation rating (letter grade). They may also find information about insurance coverage, costs, and system needs, when available, in the other considerations section.

The USPSTF is committed to continually updating its methods and recommendations to maintain relevance to primary care practice. The new recommendation statement format provides an introduction to methodological developments that will be more fully developed in future articles in this series.

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