Appendix E. Questionnaire for Polling Experts' Opinion on Influence of Non-Condition Factors on Outcomes

Key Question 1: Natural History of OME

Non-treatment factors Influencing outcomes for Key Questions 1	Does this factor influence the natural history of OME?			Basis of the opinion		
Demographic	**Yes**	**No**	**Don't Know**	**Judgment/ Experience Literature**	**Theoretical Construct**	
• age of child	___	___	___			
• gender	___	___	___	___	___	___
• ethnicity/Race	___	___	___	___	___	___
• socioeconomic status	___	___	___	___	___	___
Environmental				___	___	___
• # hours attending child care	___	___	___			
center	___	___	___	___	___	___
• tobacco smoke exposure	___	___	___	___	___	___
• season of the year	___	___	___	___	___	___
• number of children in household	___	___	___	___	___	___
• not breast-fed	___	___	___	___	___	___
• Barotrauma challenges				___	___	___
Symptoms/Signs						
• laterality, unilateral versus	___	___	___			
bilateral	___	___	___	___	___	___
• hearing level, conductive vs				___	___	___
sensorineural						
Other clinical factors	___	___	___			
• total duration of OME (>=3	___	___	___	___	___	___
mos)	___	___	___	___	___	___
• age at first OM	___	___	___	___	___	___
• age of onset of previous OME	___	___	___	___	___	___
• number of previous OMEs	___	___	___	___	___	___
• family history of OME	___	___	___	___	___	___
• otitis prone (AOM)	___	___	___	___	___	___
• allergies	___	___	___	___	___	___
• prior tubes	___	___	___	___	___	___
• prior adenoidectomy	___	___	___			
• developmental delay	___	___	___	___	___	___
Parent/caretaker				___	___	___
• parent/caregiver preference for	___	___	___			
tx	___	___	___	___	___	___
• parent/caregiver education	___	___	___	___	___	___
Examiner				___	___	___
• Skill to diagnose (validated)						
• Type of examiner	___	___	___			
• Setting	___	___	___	___	___	___
(Public,private,PPO,HMO)	___	___	___	___	___	___
Monitoring during course of illness				___	___	___
• When	___	___	___			
• Frequency	___	___	___	___	___	___
• Primary provider	___	___	___	___	___	___
Type of monitoring method	___	___	___	___	___	___
• tympanometry	___	___	___	___	___	___
• acoustic reflectometry				___	___	___
• ototscopy						
• pneumatic otoscopy						
• MRI						

Appendix E. (Continued)

Key Question 2: Speech & Language Development

Non-treatment or non-condition factors Influencing outcomes for Key Question 2	**Does this factor have an independent effect on speech and language development separate from its effects on OME or unspecified OM?**			**Basis of the opinion**		
	Yes	**No**	**Don't Know**	**Judgment/ Experience Literature**	**Theoretical Construct**	
Demographic						
• age at first OM	___	___	___			
• gender	___	___	___	___	___	___
• ethnicity/race	___	___	___	___	___	___
• socioeconomic status	___	___	___	___	___	___
Environmental				___	___	___
• # hours attending child care	___	___	___			
center	___	___	___	___	___	___
• quality of child care	___	___	___	___	___	___
• **early intervention program**	___	___	___	___	___	___
• tobacco smoke exposure	___	___	___	___	___	___
• number of children in household	___	___	___	___	___	___
• not breast-fed				___	___	___
Symptoms/Signs	___	___	___			
• laterality, unilateral vs bilateral				___	___	___
• hearing level, conductive vs	___	___	___			
sensorineural				___	___	___
Other clinical factors						
• total duration of OME (>=3 mos)	___	___	___			
• number of previous OMEs	___	___	___	___	___	___
• duration of MEE	___	___	___	___	___	___
• allergies	___	___	___	___	___	___
• developmental delay	___	___	___	___	___	___
• **OM complications, eg.**	___	___	___	___	___	___
perforated TM, cholesteatoma						
• **chronic illness of any type**	___	___	___	___	___	___
Parent/caretaker						
• parent/caregiver education	___	___	___	___	___	___
• quality of parent-child	___	___	___	___	___	___
interaction						
Examiner	___	___	___	___	___	___
• Skill to diagnose (validated)	___	___	___	___	___	___
• Type of examiner	___	___	___	___	___	___
• Setting	___	___	___			
(Public,private,PPO,HMO)	___	___	___	___	___	___
Monitoring	___	___	___	___	___	___
• Recheck times				___	___	___
• Frequency of recheck	___	___	___			
• Primary provider	___	___	___	___	___	___
Monitoring method	___	___	___	___	___	___
• tympanometry	___	___	___	___	___	___
• acoustic reflectometry				___	___	___
• pneumatic otoscopy				___	___	___
• MRI	___	___	___			
• equipment to measure auditory				___	___	___
brainstem responses/brainstem	___	___	___			
auditory evoked responses				___	___	___
• audiometry)						

Appendix E. (Continued)

Key Question 3: Long-term Hearing Loss

Non-treatment or non-condition factors Influencing outcomes for Key Question 3	**Does this factor have an independent effect on long-term hearing separate from its effects on OME or unspecified OM?**			**Basis of the opinion**		
Demographic	**Yes**	**No**	**Don't Know**	**Judgment/ Experience Literature**	**Theoretical Construct**	
• age at first OM	___	___	___			
• gender	___	___	___	___	___	___
• ethnicity/race	___	___	___	___	___	___
• socioeconomic status	___	___	___	___	___	___
Environmental				___	___	___
• # hours attending child care	___	___	___			
center	___	___	___	___	___	___
• quality of child care	___	___	___	___	___	___
• **early intervention program**	___	___	___	___	___	___
• tobacco smoke exposure	___	___	___	___	___	___
• number of children in household	___	___	___	___	___	___
• not breast-fed				___	___	___
Symptoms/Signs	___	___	___			
• laterality, unilateral vs bilateral				___	___	___
• hearing level, conductive vs	___	___	___			
sensorineural				___	___	___
Other clinical factors						
• total duration of OME (>=3 mos)	___	___	___			
• number of previous OMEs	___	___	___	___	___	___
• duration of MEE	___	___	___	___	___	___
• allergies	___	___	___	___	___	___
• developmental delay	___	___	___	___	___	___
• **OM complications, eg.**	___	___	___	___	___	___
perforated TM, cholesteatoma	___	___	___			
• **chronic illness of any type**				___	___	___
Parent/caretaker	___	___	___			
• parent/caregiver education	___	___	___	___	___	___
• quality of parent-child				___	___	___
interaction	___	___	___			
Examiner	___	___	___	___	___	___
• Skill to diagnose (validated)	___	___	___	___	___	___
• Type of examiner				___	___	___
• Setting	___	___	___			
(Public,private,PPO,HMO)	___	___	___	___	___	___
Monitoring	___	___	___	___	___	___
• Recheck times				___	___	___
• Frequency of recheck	___	___	___			
• Primary provider	___	___	___	___	___	___
Monitoring method	___	___	___	___	___	___
• tympanometry	___	___	___	___	___	___
• acoustic reflectometry				___	___	___
• pneumatic otoscopy				___	___	___
• MRI	___	___	___			
• equipment to measure auditory				___	___	___
brainstem responses/brainstem	___	___	___			
auditory evoked responses				___	___	___
• audiometry)						

Appendix E. (Continued)

Key Question 4: Accuracy of Diagnostic Methods

Non-treatment or non-condition factors Influencing outcomes for Key Question 4	**Does this factor have an independent effect on the accuracy of a diagnostic method separate from its effects on OME or unspecified OM?**			**Basis of the opinion**		
	Yes	**No**	**Don't Know**	**Judgment/ Experience Literature**	**Theoretical Construct**	
Demographic						
• age of child	___	___	___	___	___	___
Symptoms/Signs						
• laterality, unilateral versus bilateral	___	___	___	___	___	___
Other clinical factors	___	___	___			
• age at first OM	___	___	___	___	___	___
• anesthetic	___	___	___	___	___	___
• developmental delay				___	___	___
Type of examiner	___	___	___			
• family physician	___	___	___	___	___	___
• otolaryngologist	___	___	___	___	___	___
• pediatrician	___	___	___	___	___	___
• nurse practitioner	___	___	___	___	___	___
• physician assistant	___	___	___	___	___	___
• others				___	___	___