

INFLAMMATION FORM (INFA screen 2 of 6)

<p>2.a. Has a doctor ever told you that you have tuberculosis or TB? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p style="text-align: center;">Go to Item 3.a.</p> <p>b. Was it diagnosed in the past 10 years? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p style="text-align: center;">Go to Item 3.a.</p> <p>c. In the last 12 months? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p>	<p>3.a. Has a doctor ever told you that you have arthritis? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p style="text-align: center;">Go to Item 4.a, Screen 3.</p> <p>b. Have you had <u>more than one</u> episode or flare-up in the past 10 years? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p>c. Have you had <u>at least one</u> episode in the last 12 months? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p>
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INFLAMMATION FORM (INFA screen 3 of 6)

<p>4.a. Has a doctor ever told you that you have a urinary tract or kidney infection? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p style="text-align: center;">Go to Item 5.a.</p> <p>b. Have you had <u>more than one</u> episode of this in the past 10 years? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p>c. Have you had <u>at least one</u> episode in the last 12 months? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p>	<p>5.a. Has a doctor ever told you that you have pneumonia? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p style="text-align: center;">Go to Item 6.a, Screen 4.</p> <p>b. Have you had <u>more than one</u> episode of this in the past 10 years? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p> <p>c. Have you had <u>at least one</u> episode in the last 12 months? Yes Y</p> <p style="text-align: right;">No N</p> <p style="text-align: right;">Unknown U</p>
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INFLAMMATION FORM (INFA screen 4 of 6)

<p>a. Has a doctor ever told you that you have bronchitis? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p> <div style="border: 1px solid black; display: inline-block; padding: 2px; margin-left: 20px;">Go to Item 7.a.</div>	<p>7.a. Has a doctor ever told you that you have sinusitis or a sinus infection? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p> <div style="border: 1px solid black; display: inline-block; padding: 2px; margin-left: 20px;">Go to Item 8, Screen 5.</div>
<p>b. Have you had <u>more than one</u> episode of this in the past 10 years? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p>	<p>b. Have you had <u>more than one</u> episode of this in the past 10 years? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p>
<p>c. Have you had <u>at least one</u> episode in the last 12 months? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p>	<p>c. Have you had <u>at least one</u> episode in the last 12 months? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p>

INFLAMMATION FORM (INFA screen 5 of 6)

<p>8. How many times have you had a cold or a minor upper respiratory infection in the last 10 years? <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/></p>	<p>10. Have you ever had shingles, also known as herpes zoster? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p> <div style="border: 1px solid black; display: inline-block; padding: 2px; margin-left: 20px;">Go to Item 11.</div>
<p>9. Have you ever had a fever blister or cold sore on your lips? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p> <div style="border: 1px solid black; display: inline-block; padding: 2px; margin-left: 20px;">Go to Item 10.</div>	<p>a. Have you had <u>at least one</u> episode of them in the last 12 months? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p>
<p>a. How many times have you had this in the last 10 years? <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/></p> <p>[If "00", go to Item 10.]</p>	<p>11.a. Have you been treated with antibiotics during the last 10 years? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p> <div style="border: 1px solid black; display: inline-block; padding: 2px; margin-left: 20px;">Go to Item 12, Screen 6.</div>
<p>b. Have you had <u>at least one</u> episode in the last 12 months? Yes Y</p> <p style="margin-left: 100px;">No N</p> <p style="margin-left: 100px;">Unknown U</p>	<p>b. Approximately how many times? <input style="width: 20px; height: 15px;" type="text"/> <input style="width: 20px; height: 15px;" type="text"/></p>

12. Have your gums bled while flossing or brushing your teeth within the last two weeks? Yes Y

No N

Unknown U

13.a. Has a dentist ever told you that you have gum disease? Yes Y

No N

Go to Item 16.

Unknown U

b. How long ago were you told about this? years

14.a. Have you ever been treated for gum disease? Yes Y

No N

Go to Item 16.

Unknown U

14.b. How long ago was this first treated? years

15. Have you ever had gum surgery? Yes Y

No N

Unknown U

16. Date of data collection: ... / /
 m m / d d / y y

17. Method of data collection: Computer C
 Paper form P

18. Code number of person completing this form:

INSTRUCTIONS FOR THE INFLAMMATION FORM

INF, VERSION A, 01/30/96

PREPARED 05/05/97

I. GENERAL INSTRUCTIONS

The Inflammation form is administered by a study-certified nurse/nurse practitioner, licensed practical nurse or an equivalently trained field center staff member with a general understanding of the medical terms referred to in this interview. Familiarity with and understanding of the document entitled "General Instructions for Completing Paper Forms" is necessary prior to administering this form. The participant's ID number, Contact Year and Name are completed in this form's header as described in that document.

The Inflammation form collects information on the participant's prior history of a series of chronic infectious diseases, treatment with antibiotics, and history of periodontal disease. For most of the questions, the intent of this form is to document acquired infections that the participant is aware of from communication with his/her physician. The exceptions are colds and fever blisters/cold sores which often occur and are not diagnosed or treated by a physician. The time frame during which these conditions were diagnosed varies, requiring careful administration of each question. The exact wording and order of the questions should be followed to ensure standardization. Questions should not be skipped unless indicated by the skip pattern instructions.

The format of the majority of the questions on chronic infectious diseases starts with a lead-in question on a specific disease in which the time frame is a life time history and the disease must have been diagnosed by a physician. It is followed by a question on the frequency of episodes within the past 10 years and concludes with a question as to whether the person has had at least one episode in the 12 month's prior to the interview. Responses to lead-in questions of NO or UNKNOWN trigger a skip to the next disease.

A table of definitions and synonyms of many of the infectious diseases is provided for the use of the interviewer. Since most conditions require diagnosis by a physician, definitions of these conditions are not given to the participant unless clarification is specifically requested. The additional information in the table is provided to the interviewer in case the name of the diagnosis given by the physician does not match the exact term in the question, but does match the definition of the synonym.

II. DETAILED INSTRUCTIONS FOR EACH ITEM

The introductory script serves as a brief explanation to the participants as to why questions on a history of chronic infectious diseases and periodontal disease is being collected, and tangentially, why the periodontal exam is also being performed. In any observational study, care must be taken to encourage continued participation by providing reasonable explanations as to why questions or procedures are being introduced while taking care not to influence or bias participants' responses.

The form's introductory statement is read after verifying the participant's name. Do not define the terms, unless asked. The name of the disease should be familiar to the participant if the diagnosis has been made by the participant's physician.

- 1.a Read the question, stressing "has a doctor ever told you" and hepatitis or jaundice. The term "jaundice" is meant as a synonym for hepatitis and not for the unrelated jaundice which often occurs at birth. If, however, a participant reports hepatitis during childhood that was diagnosed by a physician (even if the knowledge of the diagnosis by a physician was obtained second hand from a parent), the information is applicable and informative. The same applies to the other infectious diseases. The time frame for this question is a life time history, i.e., any time prior to this interview. If the response is NO or UNKNOWN, select the appropriate response and go to Item 2. If YES, continue with part (b).
- 1.b Read the question, stressing "more than one" episode and "in the past 10 years". Record the response and continue with part (c).
- 1.c Read the question, stressing "at least one" episode during "the last 12 months".
- 2-7. Repeat the process for each of the diseases in items 2 through 7.
3. A positive response to Item 3.b requires more than one, distinct episode (flare-up) of arthritis. Code NO for persons reporting only one episode or constant, unvarying symptoms during the past 10 years. A positive response to 3.c requires at least one (distinct) episode of arthritis.
8. "Cold" is defined by the participant. If asked, the interviewer indicates that "flu-like symptoms" are a "cold", which includes a sore throat, if not accompanied by chills, aches, fever, or gastro-intestinal symptoms. If any of the latter are reported, the episode is not counted as a "cold". The occurrence of a cold or a minor upper respiratory infection is limited to the last 10 years. When participants cannot provide an accurate count, ask for a best guess. If more than 99, enter 99. The primary distinction between Item 7.a (sinusitis or a sinus infection) and Item 8.b (cold) is not the illness per se, but the requirement of a physician diagnosis for sinusitis.
9. Read the question stressing the time frame (life time history) and "fever blisters or cold sore". Note that this question does not require a physician's diagnosis. If NO or UNKNOWN, go to Item 10. If YES, continue with part (a).
- 9.a Read the question stressing the time frame, (in the past 10 years). When participants cannot provide an accurate count, ask for a best guess. If more than 99 (highly unlikely), enter 99.
- 9.b Read the question, stressing "at least one" episode during "the last 12 months".

10. Item 10 is the same format as Item 9, i.e., the interviewer needs to stress a life time history of a condition that does not have to have been diagnosed by a physician. If the response is NO or UNKNOWN, go to Item 11. If YES, continue with part (a).
- 10.a Read the question, stressing "at least one" episode during "the last 12 months".
- 11.a Read the question stressing the time frame (the last 10 years), and defining (if requested) antibiotics as a medication prescribed by a doctor to treat infections. The interviewer does not try to determine what is a relevant or legitimate use of an antibiotic in selecting a positive (YES) response. Both the use of an antibiotic to cure an infection or its prophylactic use (as in the case of heart transplants and hip replacements) is applicable. If the response is NO or UNKNOWN, go to Item 12. If YES, continue with part (b).
- 11.b The time frame refers to the last 10 years. The count concerns antibiotics and not the condition being treated. If the condition is treated with multiple courses of the same antibiotic, it is counted as one antibiotic for that condition. If a condition is treated with multiple antibiotics, the number of antibiotics for that condition is counted. For example, an episode of pneumonia treated with two, sequential courses of ampicillin is counted as "1". In contrast, an episode of pneumonia treated with two sequential courses of different antibiotics (ampicillin followed by tetracycline) is counted as "2". When participants cannot provide an accurate count, ask for a best guess. If more than 99 (highly unlikely), enter 99.
12. Items 12 - 15 focus on periodontal disease. Item 12 is a general question to ascertain whether the participant is currently experiencing bleeding gums. Read the question, stressing the time frame (within the past 2 weeks). If requested, bleeding gums can be defined as coloration of saliva when flossing or coloration of toothpaste when brushing the teeth. A positive response (YES) requires gum bleeding during (or as a result of) one or both activities, i.e., brushing the teeth or flossing. Brushing the gums is not considered brushing the teeth. For example, enter NO for persons who are edentulous, regardless of whether they are wearing dentures or practice good dental hygiene.
- 13.a Gum disease requires diagnosis by a dentist. The time frame is expanded to cover the participant's life time. If asked for clarification, "gum disease" refers to periodontal disease, such as receding gums, and not conditions due to medications or congenital abnormalities. Gum disease is an infection that causes the loss of support around the teeth, including the bone and support ligaments. It is associated with bleeding gums, gum recession (long teeth), and can lead to teeth that become loose or fall out. "Gingivitis" is used a lot on TV, especially in mouthwash commercials, and participants may tell you they have gingivitis. Even though gingivitis can lead to periodontal disease, by itself, it does not qualify as gum disease because it is too mild and comes and goes. If the response to the question is NO or UNKNOWN, go to Item 16. Thank the participant and indicate that this completes the

questions in this portion of the interview. If YES, continue with part (b).

- 13.b Record "1 to 12 months" or "1 year ago" as "01"; "13 to 24 months" or "2 years ago" as "02", etc. If the participant cannot provide an accurate number, ask for a best guess.
- 14.a Read the question, stressing the time frame (have you ever) and "gum disease". This refers to the positive statement in Item 13. If NO or UNKNOWN, go to Item 16. Thank the participant and indicate that this completes the questions in this portion of the interview. If YES, continue with part (b).
- 14.b Read the question, stressing the time frame, "first" treated. Record "1 to 12 months" or "1 year ago" as "01"; "13 to 24 months" or "2 years ago" as "02", etc. If the participant cannot provide an accurate number, ask for a best guess.
15. Read the question, stressing the time frame (have you ever) and "gum surgery". If asked for clarification, "gum surgery" refers to procedures to treat periodontal disease, and not procedures to repair trauma or other dental abnormalities.
16. Record the date on which the participant was seen in the field center. Enter numbers using leading zeroes where necessary to fill all boxes. For example, May 3, 1993 would be entered as:

05 / 03 / 93
 month day year

17. Record "C" if the form was completed on the computerized data entry system, or "P" if the paper form was used. If the form was completed partially on paper and partially on the computer, enter as "paper form".
18. Enter the interviewer ID of the person administering the interview.

ARIC - VISIT 4
 DEFINITIONS AND SYNONYMS FOR INFECTIOUS DISEASES - INFLAMMATION FORM

DEFINITIONS	SYNONYMS
<p>INFA 1.a HEPATITIS</p> <p>Acute (at times leading to chronic) inflammation of the liver. Can be of viral or toxic origin. Sometimes accompanied by yellow jaundice. Does not include jaundice at birth.</p>	<p>Jaundice</p>
<p>INFA 2.a TUBERCULOSIS</p> <p>Chronic infection with tuberculosis bacillus, most often of the lungs</p>	<p>T.B.</p>
<p>INFA 3.a ARTHRITIS</p> <p>Painful swelling of the joints; in adults most often chronic and degenerative.</p>	
<p>INFA 4.a URINARY TRACT INFECTION</p> <p>Bacterial infection of the bladder (cystitis); or the kidney (pyelonephritis). The bladder infections are more common, and are usually accompanied by urgency, pain and/or burning sensations on voiding.</p>	<p>Kidney infection UTI</p>
<p>INFA 5.a PNEUMONIA</p> <p>Bacterial or viral inflammation of a segment of the lung.</p>	
<p>INFA 6.a BRONCHITIS</p> <p>Acute or chronic inflammation of the bronchial tree, usually accompanied by cough and expectation.</p>	
<p>INFA 7.a SINUSITIS</p> <p>Inflammation of the sinus cavities around the nose, usually acute, accompanying an upper respiratory infection; can be chronic.</p>	<p>Sinus Infection</p>

ARIC - VISIT 4
 DEFINITIONS AND SYNONYMS FOR INFECTIOUS DISEASES - INFLAMMATION FORM

DEFINITIONS	SYNONYMS
<p>INFA 8.a COLD</p> <p>Upper respiratory infection or sore throat caused by the "common cold" virus; less severe or shorter duration than the "flu." Flu-like symptoms are a cold, unless accompanied by chills, fever, or gastrointestinal symptoms.</p>	<p>Minor upper respiratory infection</p>
<p>INFA 9 FEVER BLISTER</p> <p>Painful sores on the lips lasting a few days.</p>	<p>Cold sore</p>
<p>INFA 10.a SHINGLES</p> <p>Viral infection (herpes zoster virus) leading to pain and sometimes small vesicles along nerve branches, usually on the trunk and less frequently other locations, such as the face. Not the same disease as "fever blisters".</p>	<p>Herpes zoster</p>