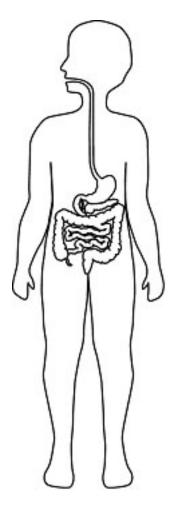
## **Questionnaire on Gastrointestinal Symptoms in Children**

(Walker, Caplan-Dover, & Rasquin-Weber, 2000)

Research Form A: Parents of Children and Adolescents (4-17 years old)



### Instructions

This questionnaire concerns the usual functioning of your child's digestive system and the gastrointestinal symptoms or problems that your child can have. Some of these symptoms apply to your child and others do not. In certain cases, you may not know about your child's more private problems and you will be able to indicate that you do not know.

Please try to answer <u>all</u> of the questions as best as you can.

If you need an explanation, the research assistant will be glad to help!

1.	Today's date: month: day: year:
2.	Child's name:
3.	Your relationship to child:motherfatherother (Please specify:
4.	Is your child a boy or a girl? 1 boy 2 girl
5.	Child's date of birth: month: day: year:
6.	To which ethnic group does your child belong?         1 African-American         2 Asian/Pacific Islander         3 Hispanic/Latino         4 Native American         5 White (Caucasian)         6 Other (Please specify:)
7.	Does your child have any chronic (recurring) health problems (such as seizures, asthma, diabetes)? 0 No 1 Yes. Please describe your child's health problems:
8.	Does your child take any prescription or nonprescription medications or treatments? 0 No 1 Yes. Please list current medications or treatments:
9.	Has your child ever had surgery? 0 No 1 Yes. Please specify type of surgery and child's age at the time of surgery:

- 10. Does your child have any allergies? For example, does your child have hay fever or allergic reactions to milk, other foods, or medications?
  - 0. \_\_\_\_ No
  - 1.
     Yes. Please specify type of allergy:

)

11. Does your child have any developmental problems? For example, does your child have a learning disability or developmental delay?

0. \_\_\_\_ No

- 1. \_\_\_\_ Yes. Please specify: \_\_\_\_\_
- 12. Some children are taught at home because they are too sick to go to school. Is your child taught at home because of illness?
  - 0. \_\_\_\_ No

1. \_\_\_\_ Yes

13. Please indicate if anyone in your child's biological family has a gastrointestinal disorder (such as ulcer, Crohn's Disease, pancreatitis, irritable bowel syndrome).

0 No	1	Yes	Your child's mother (Condition:	)
0 No	1	Yes	Your child's father (Condition:	)
0 No	1	Yes	Your child's sister (Condition:	)
0 No	1	Yes	Your child's brother (Condition:	)
0. <u>No</u>	1	Yes Of	her (who?: Condition:	)

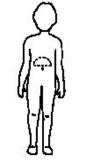
14. Please indicate if anyone in your child's biological family has migraine headaches.

0 N	lo	1	Yes	Your child's mother
0 N	lo	1	Yes	Your child's father
0 N	lo	1	Yes	Your child's sister
0 N	lo	1	Yes	Your child's brother
0 N	lo	1	Yes	Other (Specify who:

15. Do you have any concerns about your child's eating habits, bowel movements, toilet training, vomiting, abdominal pain, or other health problems? Please describe your concerns below:

## Section A. Pain and Discomfort in the Upper Abdomen (Above the Navel).

This section is about abdominal pain, stomach aches, and other abdominal discomfort in the upper abdomen, above the navel, that your child may have had in the last 3 months (see figure below). These symptoms may include pain or uncomfortable sensations such as nausea, bloating, a feeling of fullness, or not being hungry after eating very little. (Your child may have had pain or discomfort in more than one area of the abdomen. Section B of the questionnaire will ask about pain or discomfort around and/or below the navel.)



Above the Navel

- 1. In the last 3 months, how often did your child have pain or discomfort (nausea, bloating, feeling of fullness, and/or not being hungry after eating very little) in the upper abdomen *above the navel?* 
  - 0. \_\_\_\_\_ Never
  - 1. \_\_\_\_ Less than once a month
  - 2. \_\_\_\_ One to three times a month
  - 3. \_\_\_\_ Once a week
  - Several times a week
     Every day

If your child has not had ANY pain or discomfort in the upper abdomen in the past 3 months, please go to Section B.

2. Which of the following symptoms did your child have in the upper abdomen above the navel? (You may check one or more symptoms.)

a. Pain	0 No	1Yes
b. Nausea	0 No	1Yes
c. Bloating	0. <u> </u>	1Yes
d. Feeling of fullness	0. <u> </u>	1Yes
e. Not being hungry after		
eating very little	0 No	1Yes

- 3. In the last 3 months, which bothered your child the **most**?
  - 1. \_\_\_\_ Pain in the upper abdomen
  - 2. \_\_\_\_\_ A feeling in the upper abdomen that was uncomfortable but not painful (for example, nausea, bloating, a feeling of fullness, or not being hungry after eating very little).
  - 3. \_\_\_\_\_ Both. 7. I don't know which bothered my child the most.

- 4. In the last 3 months, what was the usual intensity of your child's pain or discomfort in the upper abdomen above the navel?
  - 1. \_\_\_\_ Mild
  - 2.Moderate3.Severe

  - 4. \_\_\_\_ Very Severe
- 5. For how long has your child had pain or discomfort in the upper abdomen above the navel?
  - 1. \_\_\_\_ One month or less
  - 2. \_\_\_\_\_ Two months
  - 3. \_\_\_\_ Three months
  - 4. \_\_\_\_ Four to Eleven months
  - 5. One year or longer
- 6. In the last 3 months, when your child had pain or discomfort *in the upper abdomen above the* navel, how long did it usually last?
  - 1. \_\_\_\_ Less than an hour
  - 2. \_\_\_\_ One to Two hours
  - 3. \_\_\_\_ Three to Four hours
  - 4. \_\_\_\_ Most of the day
  - 5. \_\_\_\_ One or more days
- 7. In the last 3 months, how often did antacids relieve your child's pain or discomfort in the upper abdomen above the navel?
  - 8. \_\_\_\_\_ Does not apply; child did not take antacids
  - 0. Never
  - 1. \_\_\_\_ Once in a while

  - 2.
     Sometimes

     3.
     Most of the time

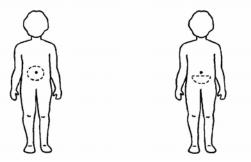
     4.
     Always

#### Circle a number to indicate your response to each question.

chi upj	the last 3 months, when your ld had pain or discomfort in the per abdomen above the navel, w often:	Never	Once in <u>a while</u>	Some- <u>times</u>	Most of <u>the time</u>	<u>Always</u>	I don't <u>know</u>
8.	Did it get better after having a bowel movement?	0	1	2	3	4	
9.	Were your child's bowel movements softer and more mushy or watery than usual?	0	1	2	3	4	
10.	Were your child's bowel movements harder or lumpier than usual?	0	1	2	3	4	
11.	Did your child have more bowel movements than usual?	0	1	2	3	4	
12.	Did your child have fewer bowel movements than usual?	0	1	2	3	4	

### Section B. Belly Aches and Abdominal Pain Around and/or **Below the Navel**

This section is about belly aches and abdominal pain **around and/or below the navel** that your child may have had in the last 3 months (see figure below). Belly aches are sometimes milder and more vague than abdominal pain. Some children refer to their belly aches or abdominal pain as "stomach aches," or "tummy aches."



Around the Navel

**Below the Navel** 

- 1. In the last 3 months, how often did your child have a belly ache or abdominal pain *in the area* around or below the navel?
  - 0. \_\_\_\_ Never

  - 1.
     \_\_\_\_\_\_ Less than once a month

     2.
     \_\_\_\_\_\_ One to Three times a month
  - 3. \_\_\_\_ Once a week
  - 4. \_\_\_\_\_ Several times a week
  - 5. \_\_\_\_ Every day

If your child has NOT had ANY belly aches or abdominal pain around or below the navel in the past 3 months, please go to Section C.

- 2. In the last 3 months, what was the usual intensity of your child's belly aches or abdominal pain in the area around or below the navel?
  - 1. \_\_\_\_\_ Mild
  - 2. \_\_\_\_ Moderate
  - 3. \_\_\_\_ Severe
  - 4. \_\_\_\_ Very severe
- 3. For how long has your child had belly aches or abdominal pain in the area around or below the navel?
  - 1. \_\_\_\_ One month or less
  - 2. \_\_\_\_ Two months
  - 3. \_\_\_\_ Three months
  - 4. \_\_\_\_ Four to Eleven months
  - 5. One year ago or longer
- 4. In the last 3 months, when your child had belly aches or abdominal pain *around or below the* navel, how long did it usually last?
  - 1. \_\_\_\_ Less than an hour
  - 2. \_\_\_\_ One to Two hours
  - 3. \_\_\_\_ Three to Four hours
  - 4. \_\_\_\_ Most of the day
  - 5. \_\_\_\_ One or more days

QPGS Form A with Coding Values (6/18/02)					ID					
	le a number to indicate your onse to each question.									
chil	the last 3 months, when your Id had a belly ache/pain around or ow the navel, how often:	<u>Never</u>	Once in <u>a while</u>	Some- <u>times</u>	Most of the time	<u>Always</u>	I don't <u>know</u>			
5.	Did it get better after having a bowel movement?	0	1	2	3	4				
6.	Were your child's bowel movements softer and more mushy or watery than usual?	0	1	2	3	4				
7.	Were your child's bowel movements harder or lumpier than usual?	0	1	2	3	4				
8.	Did your child have more bowel movements than usual?	0	1	2	3	4				
9.	Did your child have fewer bowel movements than usual?	0	1	2	3	4				
10.	Did your child's belly ache or pain occur before eating or when hungry?	0	1	2	3	4				
11.	Did the belly ache or pain get worse soon after your child ate?	0	1	2	3	4				
12.	Did the belly ache or pain get better after your child ate?	0	1	2	3	4				
13.	Were your child's eyes sensitive to light?	0	1	2	3	4				
14.	Did your child have a headache?	0	1	2	3	4				
15.	Did your child have a headache on one side of the head?	0	1	2	3	4				
16.	Did your child vomit?	0	1	2	3	4				
17.	Was your child's skin pale?	0	1	2	3	4				
18.	Did your child sweat more than usual?	0	1	2	3	4				
19.	Did your child have nausea (appeared weak and pale or felt like he/she might vomit)?	0	1	2	3	4				
20.	Did your child have a feeling of fullness?	0	1	2	3	4				
21.	Did your child stop being hungry after eating very little?	0	1	2	3	4				
22.	Did your child's abdomen become bloated?	0	1	2	3	4				

23. Parents of girls only: In the last 3 months, did your daughter's belly aches or abdominal pain around or below the navel usually occur just before or during her menstrual period?

0	No	2 Check here if your daughter did not have
1	_Yes*	menstrual periods.

\*23a. If yes, was the belly ache or abdominal pain different from menstrual pain?

- 0. \_\_\_\_ No
- 1. \_\_\_\_Yes
- 24. In the last 3 months, how often did antacids relieve your child's belly ache or abdominal pain around or below the navel?
  - 8. \_\_\_\_\_ Does not apply; child did not take antacids
  - 0. \_\_\_\_ Never
  - 1. \_\_\_\_ Once in a while

  - Sometimes
     Most of the time
  - 4. \_\_\_\_ Always
- 25. At what time of day did your child's belly ache or abdominal pain around or below the navel usually begin?
  - 1. \_\_\_\_\_ During the day, while he/she was awake
  - 2. \_\_\_\_ At night, while he/she was asleep
  - 3. At any time of day or night
- 26. Did your child have any of the following symptoms within the hour before his or her belly ache or abdominal pain began?

a. Blurred vision	0 No	1Yes	7I don't know
b. Numbness or tingling	0 No	1Yes	7 I don't know
c. Difficulty speaking	0 No	1Yes	7 I don't know
d. Paralysis (unable to move) 0.	No	1Yes	7I don't know

- 27. In the last **year**, how many times did your child have **severe pain** around the navel that lasted two hours or longer and caused your child to stop all activities?
  - 0.\_\_\_\_Never
  - 1. \_\_\_\_ One to Two times
  - 2.\_\_\_\_ Three to Five times
  - 3.\_\_\_\_\_ Six to Nine times
  - 4.\_\_\_\_ Ten or more times
  - 27a. Was your child in good health for several weeks or longer between the episodes of severe pain?

0. No 8. Does not apply; child did not have episodes of severe pain 1.\_\_\_\_Yes

# Section C. Bowel Movements ("Poop," "Stool," "Number 2")

This section asks about your child's bowel movements. There are many words for bowel movements. Some of these are "poop," "stool," "BM's," and "going to the bathroom for number 2." Your family may have another special word to refer to bowel movements.

1. Has your child been **completely** toilet trained for at least 3 months?

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No. If no, are you currently trying to toilet-train your child? 0. No 1. Yes
2. ___Yes
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- 2. How much do you know about your child's bowel habits? (For example, do you know the frequency and consistency of your child's bowel movements?)
  - 2.\_\_\_\_ I know a lot about my child's bowel habits.
  - 1.\_\_\_\_ I know some about my child's bowel habits.
  - 0. I know nothing or very little about my child's bowel habits.
- 3. In the last 3 months, how often did your child usually have bowel movements?
  - 1.\_\_\_\_ Less than once a week
  - 2. One to Two times a week
  - 3. Three to Six times a week 7. I don't know
  - 4.\_\_\_\_ Once a day
  - 5.\_\_\_\_\_ Two to Three times a day
  - 6. More than Three times a day
- 4. In the last 3 months, what were your child's bowel movements usually like?
  - 1. Very hard 2. Hard

- 6. \_\_\_\_ Sometimes hard; sometimes soft
- 3.\_\_\_\_ Not too hard and not too soft 7. \_\_\_\_ I don't know
- 4.\_\_\_\_ Very soft or mushy 5.\_\_\_\_ Watery
- 5. In the last 3 months, for how long did your child usually have fewer than 3 bowel movements a week?
  - 0. \_\_\_\_ Never
  - 1.\_\_\_\_One week
  - 2.\_\_\_\_\_Two weeks 7.\_\_\_\_I don't know
  - 3.\_\_\_\_ Three weeks
  - 4. One month
  - 5.\_\_\_\_ Two months
  - 6. Three or more months
- 6. In the last 3 months, for how long were most of your child's stools (poops) hard or like pebbles?
  - 0. Never
  - 1. One week
  - 2. Two weeks 7.\_\_\_\_I don't know
  - 3. Three weeks
  - 4. One month
  - 5. Two months
  - 6.\_\_\_\_ Three or more months

- 7. In the last 3 months, for how long did your child have very soft, mushy, or watery bowel movements (diarrhea) 3 or more times a day?
  - 0. Never
  - 1. One week
  - 2. Two weeks 7. I don't know
  - 3. Three weeks
  - 4. One month
  - 5.\_\_\_\_ Two months

Check here if child is taking laxatives (8)

- 6.\_\_\_\_ Three or more months
- 8. In the last 3 months, did your child appear to feel pain when having a soft bowel movement?

0.\_\_\_\_No

- 1. Yes
- 8. Does not apply; child did not have soft bowel movements

# Circle a number to indicate your response to

each question. In the last 3 months, how often:		<u>Never</u>	Once in <u>a while</u>	Some- <u>times</u>	Most of the time	<u>Always</u>	I don't <u>know</u>
9.	Did your child have to rush to the bathroom for a bowel movement?	0	1	2	3	4	
10.	Did your child have to strain (push hard) to have a bowel movement?	0	1	2	3	4	
11.	Did your child pass mucus or phlegm (white, yellowish, stringy, or slimy material) during a bowel movement?	0	1	2	3	4	
12.	Did your child have a feeling of not being finished after a bowel movement (like there was more that wouldn't come out)?	0	1	2	3	4	

- 13. In the last 3 months, how often did your child pass stools (poops) that were much thicker (wider in diameter) than you think is normal?
  - 0. Never
  - 1. Less than once a month
  - 2.
     One to Three times a month
     7.
     I don't know
  - 3. Once a week
  - 4. \_\_\_\_ Several times a week
  - 5. Every day
- 14. In the last 3 months, how often did it appear that your child was trying to hold in a bowel movement?
  - 0. Never
  - 1.\_\_\_\_ Less than once a month
  - 2. One to Three times a month 7. I don't know
  - 3.\_\_\_Once a week
  - 4. Several times a week
  - 5. Every day

- 0. Never
- 1.\_\_\_\_ Less than once a month
- 2.\_\_\_\_ One to Three times a month 7.\_\_\_\_ I don't know
- 3. Once a week
- 4. \_\_\_\_ Several times a week
- 5. Every day
- 16. In the last 3 months, when your child felt the need to have a bowel movement (before going to the bathroom), how often did you see your child stiffen his/her legs or squeeze his/her buttocks (bottom) and legs together?
  - 0. \_\_\_\_ Never. If never, please go to question #17.
  - 1. Less than once a month
  - 2. One to Three times a month
  - 3. Once a week
  - 4. \_\_\_\_ Several times a week
  - 5. Every day
  - 16a. For how long has your child adopted this position when he/she felt the need to have a bowel movement?
    - 1.\_\_\_\_ One month or less
    - 2. Two months
    - 3. Three months
    - 4. Four to Eleven months
    - 5. One year ago or longer

16b. When your child is in this position, does your child:

a. Grunt and get red in the face?	0. <u>No</u> 1	. Yes
b. Hide?	0. <u>    No                                </u>	Yes
c. Appear to be in pain?	0. <u> </u>	1Yes
d. Become irritable?	0. <u> </u>	1Yes
e. Have a poor appetite?	0. <u> </u>	1. <u>Y</u> es

17. After finally passing a very thick stool (poop), was your child . . .

- a. more active?
   0. \_\_\_\_\_No
   1. \_\_\_\_Yes
   8. \_\_\_\_Does not apply

   b. in a happier mood?
   0. \_\_\_\_No
   1. \_\_\_\_Yes
   8. \_\_\_\_Does not apply
- 18. In the last 3 months, did your child have a bowel movement while sleeping?
  - 0.<u>No</u>
  - 1. Yes
- 19. In the last 3 months, how often was your child's underwear stained or soiled with stool (poop)?
  - 0.
     \_\_\_\_\_\_ Never. If never, please go to Section D.

     1.
     \_\_\_\_\_\_ Less than once a month

  - 2. One to Three times a month
  - 3. Once a week
  - 4. \_\_\_\_\_ Several times a week
  - 5. Every day

- 19a. When your child soiled, how much did your child usually soil?
  - 1.\_\_\_\_\_ Underwear was stained (no stool)
  - 2. \_\_\_\_ Small amount of stool in underwear (less than a complete bowel movement)
  - 3. Large amount of stool in underwear (complete bowel movement)
- 19b. After your child passed a very large stool (poop), did the soiling stop for a day or more?
  - 0.\_\_\_\_ No 1.\_\_\_\_ Yes
    - . Yes 8. Does not apply. Child did not pass large stools (poops).
- 19c. For how long has your child soiled his/her underwear?
  - 1. One month or less
  - 2. Two months
  - 3. Three months
  - 4. Four to Eleven months
  - 5. One year or longer

# Section D. Other symptoms

This section is about other digestive symptoms. Please indicate how often your child has had each symptom in the last 3 months.

	ccle a number to indicate your response to each estion.	<u>Never</u>	1-3 times a <u>month</u>	Once a <u>week</u>	Several times a <u>week</u>	Every <u>day</u>	I don't <u>know</u>
In	the last 3 months, how often did your child:						
1.	Get the feeling of having a lump in his or her throat?	0	1	2	3	4	
2.	Have difficulty swallowing (food or liquids got stuck or went down abnormally)?	0	1	2	3	4	
3.	Have heartburn (burning pain or discomfort in the throat or chest)?	0	1	2	3	4	
4.	Have acid-tasting fluid at the back of his or her throat?	0	1	2	3	4	
5.	Regurgitate food into his or her throat? (Regurgitation is when food comes up but there is no nausea and the stomach muscles do not make strong contractions.)	0	1	2	3	4	
6.	Burp (belch) <i>again and again</i> without wanting to?	0	1	2	3	4	
7.	Pass gas very frequently?	0	1	2	3	4	
8.	Have a visibly swollen or bloated abdomen?	0	1	2	3	4	

- 9. If your child's abdomen was *visibly* swollen or bloated in the last 3 months, what time of day was it most swollen?
  - 1.\_\_\_\_ In the morning 8.\_\_\_\_ Does not apply; child's abdomen was not swollen.
  - 2.\_\_\_\_ In the evening
  - 3. All times of day and night
- 10. In the last 3 months, how often did it appear that your child was swallowing air? (This may be associated with a clicking noise when swallowing)
  - 0. Never
  - 1.\_\_\_\_ Less than once a month
  - 2. One to Three times a month
  - 3. Once a week
  - 4. \_\_\_\_ Several times a week
  - 5. Every day
- 11. *In the past year*, how many times did your child **vomit again and again without stopping for two hours or longer?** 
  - 0. \_\_\_\_ Never. If never, please go to Section E.
  - 1.\_\_\_\_Once
  - 2. Twice
  - 3. Three times
  - 4.\_\_\_\_ Four or more times
  - 11a. For how long has your child been vomiting again and again without stopping for two hours or longer?
    - 1. One month or less
    - 2.\_\_\_\_ Two months
    - 3. \_\_\_\_ Three months
    - 4. Four to Eleven months
    - 5. One year ago or longer
  - 11b. Did your child usually feel nausea when he or she vomited again and again without stopping for two hours or longer?
    - 0.\_\_\_\_ No 1.\_\_\_\_ Yes
  - 11c. Was your child in good health for several weeks or longer between the times when he or she vomited again and again?
    - 0.\_\_\_\_ No 1.\_\_\_\_ Yes

# Section E. Limitations in activities because of symptoms

Circle a number to indicate your response to each question.

mis	the last 3 months, how often did your child as activities at school (including class work, orts, and other activities):	Never	1-3 times a <u>month</u>	Once a week	Several times a <u>week</u>	Every <u>day</u>	I don't <u>know</u>
1.	Because of pain or discomfort ABOVE the navel?	0	1	2	3	4	
2.	Because of belly aches or pain AROUND or BELOW the navel?	0	1	2	3	4	
3.	Because of problems with bowel movements?	0	1	2	3	4	
4.	Because of vomiting?	0	1	2	3	4	
5.	Because of problems with passing gas or belching?	0	1	2	3	4	
6.	Because of other symptoms? (Specify:)	0	1	2	3	4	

# Circle a number to indicate your response to each question.

In the last 3 months, how often did your child miss activities with friends or at home:		<u>Never</u>	1-3 times a <u>month</u>	Once a <u>week</u>	Several times a <u>week</u>	Every <u>day</u>	I don't <u>know</u>
7.	Because of pain or discomfort ABOVE the navel?	0	1	2	3	4	
8.	Because of belly aches or pain AROUND or BELOW the navel?	0	1	2	3	4	
9.	Because of problems with bowel movements?	0	1	2	3	4	
10.	Because of vomiting?	0	1	2	3	4	
11.	Because of passing gas or belching?	0	1	2	3	4	
12.	Because of other symptoms? (Specify:)	0	1	2	3	4	

	Circle a number to indicate your response to each question.										
In t	the last 3 months, how often:	<u>Never</u>	1-3 times a <u>month</u>	Once a <u>week</u>	Several times a <u>week</u>	Every <u>day</u>	I don't <u>know</u>				
13.	Did you or other family members miss work in order to bring your child to the doctor or to stay home when your child had any of the gastrointestinal problems described above?	0	1	2	3	4					
14.	Were family activities limited because of your child's gastrointestinal problems described above?	0	1	2	3	4					

The questionnaire ends here. Thank you very much for your help!