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The Survey of Colorectal Cancer Screening Practices, sponsored by the National Cancer Institute in collaboration with the Centers for Disease Control and Prevention and Health Care Financing Administration, is a nationwide study that will provide important information about screening, diagnostic follow-up, and surveillance for colorectal cancer. The survey contains questions about whether you recommend or administer various procedures, your views on whether you or your area's health care system can accommodate an increased screening volume, and some general questions about your medical practice. **Even if you do not currently perform colorectal cancer procedures**, we are interested in your response and seek your answers based on your current practice. The survey is designed to accommodate a broad range of physicians and practice settings. Most physicians will not need to answer every question on the survey.

After completing the survey, please return it in the enclosed postage-paid envelope to: Lorayn Olson, Ph.D., Abt Associates, 640 N. LaSalle Street, Suite 400, Chicago, IL, 60610, or fax it to Dr. Olson at 312/867-4419. If you have any questions about the study, or would like to schedule an appointment to complete it over the telephone, please call 1-800-229-7448.

Thank you for your participation.

Federal Law requires that each survey participant be informed of the following:

- (1) Legislative authorization for this study is found under 42 USC 285a.
- (2) Your participation is completely voluntary. You are subject to no penalty if you choose not to provide all or any part of the requested information.
- (3) Data collected as part of this study are confidential and protected by law. Under the provisions of Section 301d of the Public Health Service Act (42 USC 241d), no information that could permit identification of a participating individual may be released. All such information will be held in confidence and will be presented only in statistical or summary form.
- (4) Public reporting burden for this collection of information is estimated to average 20 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. *An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.* Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH, Project Clearance Branch, 6705 Rockledge Drive, MSC 7974, Bethesda, MD 20892-7974, ATTN: PRA (xxxx-xxxx*). Do not return the completed form to this address.

To ensure consistent interpretation of terms, the following definitions apply to this survey:

<u>Cancer screening</u>: The routine periodic use of a testing procedure intended to detect cancer or precancerous lesions at an earlier stage than is possible through clinical detection or incidental discovery. Cancer screening is used in patients who display no signs or symptoms of possible cancer (i.e., pain, bleeding, palpable masses, etc.)

<u>Diagnostic follow-up</u>: The use of one or more procedures immediately following a positive finding of a colorectal cancer screening test, to more specifically characterize the reasons for that finding, especially to detect the presence or absence of any colonic polyps or cancer. An example is diagnostic colonoscopy following a positive Fecal Occult Blood Test (FOBT), but other types of procedures or tests may also be used.

Surveillance: Refers to procedures used to periodically examine the colon after detection and removal of a precancerous lesion by screening or other means. It does not refer to the use of colonoscopy or other procedures to monitor for polyp or cancer recurrence following a diagnosis of colorectal cancer.



SURVEY OF COLORECTAL CANCER SCREENING PRACTICES Gastroenterologist and General Surgeon Questionnaire

For most of the questions on this survey, please answer by placing an "x" in the appropriate box.

This section includes questions about your opinions and experiences concerning colorectal cancer

Part 1. Cancer Screening Beliefs and Practices

screening.

d. Double Contrast Barium Enema

How effective or ineffective do you believe the following <u>screening</u> procedures are in reducing colorectal cancer mortality in average-risk patients aged 50 years and older? (CHECK ONE BOX ON							
EACH LINE)	Very Effective	Somewhat Effective	Not Effective	Don't Know or No Opinio			
a. Fecal Occult Blood Test							
b. Flexible Sigmoidoscopy							
c. Colonoscopy							

2.	In your opinion, with which test or test combination should most asymptomatic, average-risk adults be screened for colorectal cancer? (CHECK ONE BOX)							
	☐ Fecal occult blood test alone							
	☐ Flexible sigmoidoscopy alone							
	☐ Fecal occult blood test and flexible sigmoidoscopy							
	□ Colonoscopy							
	☐ Double contrast barium enema							
	☐ Double contrast barium enema and flexible sigmoi	doscopy						
	☐ Other (Describe)							
	(CHECK ONE BOX ON EACH LINE) Patient-Related Barriers	Major Barrier	Minor Barrier	Not a Barrier				
		Major Barrier	Minor Barrier	Not a Barrier				
	a. Patient fear of finding cancer							
	b. Patient believes screening is not effective							
	c. Patient embarrassment or anxiety about screening tests							
	d. Patient is unaware of screening or does not perceive colorectal cancer as a serious health threat							
	System-Related Barrierse. Screening costs too much or insurance doesn't cover?							
	f. Primary care physicians do not actively recommend screening to their patients							
	g. Shortage of trained providers to conduct screening other than fecal occult blood testing							
	h. Shortage of trained providers to conduct follow-up with invasive procedures such as flexible sigmoidoscopy and colonoscopy							
	i. Other Barriers (Describe)							

4.	Do you routinely receive patient referrals from other providers in your practice or community to perform colorectal cancer screening procedures?
	□ Yes
	☐ No (SKIP TO QUESTION 6)
5.	Please indicate the type of provider or providers who routinely refer patients to you for colorectal cancer screening. (CHECK ALL THAT APPLY)
	☐ Family or General Practitioner
	□ Internist
	☐ Obstetrician/gynecologist
	☐ Gastroenterologist
	□ Surgeon
	□ Radiologist
	☐ Other (Describe)
6.	Over the past two years, has the volume of colorectal cancer screening and/or diagnostic procedures you perform or supervise: (CHECK ONE BOX)
	☐ Increased substantially (more than 20% per year)
	☐ Increased somewhat (less than 20% per year)
	☐ Stayed about the same (SKIP TO QUESTION 8, next page)
	☐ Decreased (SKIP TO QUESTION 8, next page)
	☐ I do not perform or supervise colorectal cancer screening or diagnostic procedures in my practice at this time (SKIP TO QUESTION 33, page 14)

7.	How important are each of the following factors in explaining this increase over the past two years? (CHECK ONE BOX ON EACH LINE)						
	I am seeing more:		Very Important	Somewhat Important	Not at all Important		
	a. Referrals for colorectal cancer screening	orocedures					
	b. Referrals for <u>diagnostic follow-up</u> to positive colorectal cancer screening tes	ets					
	c. Patients who require <u>surveillance</u> following discovery and removal of colorectal adent	•					
8. To what extent are the following published guidelines influential in your practice of colorectal cancer screening? (CHECK ONE BOX ON EACH LINE)					al cancer		
		Very Influential	Somewhat Influential	Not Influential	Not Applicable or Not Familiar with		
	a. American Cancer Society - 1997						
	b. U.S. Preventive Services Task Force - 1996						
	c. Independent Expert Panel on Colorectal Cancer Screening: Clinical Guidelines Rationale – 1997 (G.I. Consortium)						
	d. Other Specialty Society guidelines						
	e. Guidelines or recommendations of any health plan with which you are affiliated						

9. To what extent are each of these factors influential in your practice of colorectal cancer screening? (CHECK ONE BOX ON EACH LINE)					
		Very Influential	Somewhat Influential	Not Influentia	
	a. Clinical evidence published in the medical literature				
	 Availability of reimbursement by third party payers, including Medicare and Medicaid 				
	c. Continuing education/conferences/meetings				
	d. Other (Describe)				
10. In your practice, do you define as "high-risk" any of the following types of patients for purposes of rintensive screening or surveillance than for your "average-risk" patients? (CHECK ALL THAT APPLY)40 year old patient with:					
	☐ At least two first-degree relatives who have had a colo	rectal cancer dia	agnosis.		
	☐ At least one first-degree relative who has had a colore	ctal cancer diag	nosis.		
	☐ At least one first-degree relative who has had a colore less than age 50.	ctal cancer diag	nosis at an "early	age," e.g.,	
	☐ A family history of adenomatous polyps (not related to adenomatous polyposis)	specific genetic	syndromes such	as familial	
	☐ A personal history of ulcerative colitis				
	☐ Other (Describe)				
11.	Have you ever ordered, referred, or recommended a patie inherited susceptibility to colorectal cancer? (CHECK ONE	-	sting for a suspe	cted	
	☐ Yes, I have ordered				
	☐ Yes, I have referred or recommended				
	□ No				

Part 2. Colorectal Cancer Screening and Diagnostic Modalities

This section includes questions about anticipated demand for procedures used in colorectal cancer screening and diagnosis, as well as more specific questions about whether and how you use these procedures.

A. Fecal Occult Blood Testing

12.	During a typical month, how many times do you personally order or perform, or supervise a midlevel practitioner (i.e., nurse practitioner, physician's assistant) in fecal occult blood testing as a colorectal cancer <u>screening</u> modality?
	□ 0 (SKIP TO QUESTION 14, next page)
	□ 1-10
	□ 11-20
	□ 21-40
	☐ More than 40
13.	In your opinion, which diagnostic test or test combination should be used following a <u>positive screening</u> (fecal occult blood test) in a healthy, average-risk patient? (CHECK ALL THAT APPLY)
	☐ Repeat Fecal Occult Blood Test
	☐ Flexible sigmoidoscopy
	□ Double contrast barium enema
	□ Colonoscopy
	□ Other (Describe)

B. Flexible Sigmoidoscopy

14. Indicate whether you agree or disagree with the statements below about colorectal cancer screening (with <u>flexible sigmoidoscopy</u>): (CHECK ONE BOX ON EACH LINE)

	a. Can be effectively performed by well-trained primary care physicians.	Agree Strongly □	Agree Somewhat □	Disagree Somewhat □	Disagree Strongly □
	b. Is best performed by specialists such as gastroenterologists or surgeons.				
	 c. Can be effectively performed by well-trained mid-level practitioners such as nurse practitioners and physician assistants. 				
	 d. Is most effectively performed in dedicated screening or endoscopy centers rather than physicians' offices. 				
15.	Do you expect the demand for <u>flexible sigmoidoscop</u> three years to: (CHECK ONE BOX)	<u>y</u> procedures	in your commu	unity over the n	ext
	☐ Increase substantially (more than 20% per year)				
	☐ Increase somewhat (less than 20% per year)				
	☐ Stay about the same				
	□ Decrease				
16.	Over the next three years, would you say the capaci sigmoidoscopy in your community is: (CHECK ONE BO		and personnel	for performing	<u>flexible</u>
	$\hfill\square$ More than enough to meet anticipated demand (SKIP TO QUES	TION 19, page 9)		
	☐ Just about right to meet anticipated demand (SKI	IP TO QUESTIO	N 19, page 9)		
	☐ Inadequate to meet anticipated demand over the	next three ye	ears		

		Major Factor	Mir Fac		Not a actor
	 a. Not enough providers qualified or trained to perform flexible sigmoidoscopy]	
	 b. Qualified providers are too busy with other procedures/activities]	
	c. Current reimbursement rates for flexible sigmoidoscopy are not satisfactory]	
	d. Adequate facilities are not available				
	f. Other (Specify)]	
10.	In your opinion, how useful would each of the followin sigmoidoscopy capacity in your community? (CHECK	•		arroo <u>moxidio</u>	
	Train more primary care physicians in flexible sigmoidoscopy		Very Iseful □	Somewhat Useful □	Not at All Useful □
			lseful —	Useful —	Useful —
	in flexible sigmoidoscopy b. Train more nurse practitioners or physician's		lseful □	Useful □ —	Useful
	 in flexible sigmoidoscopy b. Train more nurse practitioners or physician's assistants in flexible sigmoidoscopy c. Increase the efficiency of delivering flexible sigmoidoscopy by organizing 		Iseful	Useful	Useful
	 in flexible sigmoidoscopy b. Train more nurse practitioners or physician's assistants in flexible sigmoidoscopy c. Increase the efficiency of delivering flexible sigmoidoscopy by organizing dedicated endoscopy centers d. Encourage gastroenterologists or surgeons to 	U	Iseful	Useful	Useful
	 in flexible sigmoidoscopy b. Train more nurse practitioners or physician's assistants in flexible sigmoidoscopy c. Increase the efficiency of delivering flexible sigmoidoscopy by organizing dedicated endoscopy centers d. Encourage gastroenterologists or surgeons to perform more flexible sigmoidoscopies e. Reduce referral barriers between primary care and 	U	Iseful	Useful	Useful

17. To what extent have each of the following factors contributed to this inadequacy in current capacity: (CHECK ONE BOX ONE EACH LINE)

19.	During a typical month, how many times do you personally perform or supervise a mid-level practitioner (i.e., nurse practitioner, physician's assistant) in colorectal screening with flexible sigmoidoscopy?
	□ 0 (SKIP TO QUESTION 25, page 11)
	□ 1-5
	□ 6-10
	□ 11-20
	☐ more than 20
20.	What type of sigmoidoscope do you use for the majority of your screening sigmoidoscopies? (CHECK ONE BOX)
	☐ Rigid (Proctoscope)
	□ 30 cm flexible
	☐ 60 cm flexible
	□ Colonoscope
	□ Other (Describe)
21.	Do you personally perform screening sigmoidoscopy or supervise a mid-level practitioner such as a nurse practitioner or physician's assistant who performs the procedure? (CHECK ALL THAT APPLY)
	☐ I personally perform screening sigmoidoscopy
	☐ I supervise a nurse practitioner who performs screening sigmoidoscopy
	☐ I supervise a physician assistant who performs screening sigmoidoscopy
22.	Where do you usually perform (or supervise) your screening sigmoidoscopies? (CHECK ONE BOX)
	☐ In my office
	☐ In an endoscopy center
	☐ In a hospital
	☐ Other (Describe)

3. Do you currently or would you be willing to supervise training in screening sigmoidoscopy in your community for:					
			Yes	No	
Primary care ph	nysicians?				
Mid-level practi physician's ass		se practitioners,			
a healthy, avera		what action do ye	is identified during ou typically take or	screening flexible sigmoidoscopy recommend?	
Nature of lesion prior to biopsy	Immediate biopsy only	Immediate biopsy followed by colonoscopy	Colonoscopy, including polypectomy/ biopsy	Other (specify)	
a. Polyp < 5 mm					
b. Polyp 5 mm - 1 cm					
c. Polyp > 1 cm					
d. Multiple (3 or more) polyps					

C. Colonoscopy

25. Do you expect the demand for <u>colonoscopy</u> procedures in your community over the next three yea to: (CHECK ONE BOX)				
	☐ Increase substantially (more than 20% per year)			
	☐ Increase somewhat (less than 20% per year)			
	☐ Stay about the same			
	□ Decrease			
26.	Over the next three years, would you say the current capacity of colonoscopy in your community is: (CHECK ONE BOX)	facilities and	personnel for p	performing
	☐ More than enough to meet anticipated demand (SKIP TO QUES	TION 29, next	page)	
	☐ Just about right to meet anticipated demand (SKIP TO QUESTIO	N 29, next pag	je)	
	☐ Inadequate to meet anticipated demand			
27.	To what extent have each of the following factors contributed to the (CHECK ONE BOX ON EACH LINE)	his inadequa	cy in current ca	apacity:
		Major Factor	Minor Factor	Not a Factor
	Not enough providers qualified or trained to perform this procedure in the area			
	b. Qualified providers are too busy with other procedures/activities			
	c. Current reimbursement rates are not satisfactory			
	d. Adequate facilities are not available			
	f. Other (Specify)			

28.	In your opinion, how useful would each of the following approaches be to enhance colonoscopy capacity in your community? (CHECK ONE BOX ON EACH LINE)							
				Very Useful	Somewhat Useful	Not at All Useful		
	Train more nurse practitio assistants to perform scre colonoscopy, under super	ening	an's					
	b. Increase the efficiency of organizing dedicated endo		noscopy by					
	c. Reduce the demand for compositive test results for screwell selectively (e.g., using moor using combinations/mu	eening FOBT re specific test	more ing procedures					
	d. Reduce the demand for co by defining positive test re flexible sigmoidoscopy mo (e.g., not following up sma	sults <u>for screer</u> ore selectively						
	e. Reduce the demand for colless intensive surveillance		using					
29.	During a typical month, how practitioner, such as a nurse	•				el		
		0	1-5	6-10	11-20	>20		
Scr	reening colonoscopy							
Dia	gnostic colonoscopy							
30.	Do you personally perform so nurse practitioner or physicia				practitioner such	as a		
	☐ I personally perform screening colonoscopy							
	☐ I supervise a nurse practitioner who performs screening colonoscopy							
	☐ I supervise a physician's assistant who performs screening colonoscopy							
	☐ I neither perform nor supervise screening colonoscopy (SKIP TO QUESTION 33, page 14)							

1. Where do you usually perform (or supervise) your screening colonoscopies? (CHECK ONE BOX)				
☐ In my office				
☐ In an endoscopy cer	nter			
☐ In a hospital				
☐ Other (Describe)				
What, if any, surveilland	32. The lesions listed below were identified in otherwise healthy, average-risk patients during colonoscopy What, if any, surveillance procedures would you recommend for these patients? (CHECK AND FILL IN ALL THAT APPLY IN EACH COLUMN)			
50 year old patient with:	Recommended Surve Procedure and Freq		Discontinue Surveillance and Resume Routine Screening	
a. Hyperplastic polyp	 ☐ Fecal occult blood test ☐ Flexible Sigmoidoscopy ☐ Colonoscopy ☐ Double contrast barium enema ☐ None; routine screening 	Everyyears Everyyears Everyyears Everyyears	☐ Never ☐ After# consecutive negative findings	
b. Adenomatous polyp < 1 cm	 ☐ Fecal occult blood test ☐ Flexible Sigmoidoscopy ☐ Colonoscopy ☐ Double contrast barium enema ☐ None; routine screening 	Everyyears Everyyears Everyyears Everyyears	☐ Never ☐ After# consecutive negative findings	
c. Adenomatous polyp <u>></u> 1 cm	 ☐ Fecal occult blood test ☐ Flexible Sigmoidoscopy ☐ Colonoscopy ☐ Double contrast barium enema ☐ None; routine screening 	Everyyears Everyyears Everyyears Everyyears	☐ Never ☐ After# consecutive negative findings	

	50 year old patient with:	Recommended Surve Procedure and Freq		Discontinue Surveillance and Resume Routine Screening
d.	Multiple (3 or more) adenomatous polyps	 ☐ Fecal occult blood test ☐ Flexible Sigmoidoscopy ☐ Colonoscopy ☐ Double contrast barium enema ☐ None; routine screening 	Everyyears Everyyears Everyyears Everyyears	☐ Never ☐ After# consecutive negative findings
Pa	art 3. Practice and (Other Characteristics		
The questions in this final section will help us to better understand your medical practice. 33. Which of the following categories best describes your primary practice arrangement (i.e., the pra setting where you spend the most hours per week)? Are you a(CHECK ONE BOX)				
	☐ Full or part owner of	a physician practice		
	☐ Employee of a physi	cian-owned practice		
	☐ Employee of a staff of	or group model HMO		
	☐ Employee of a hospi	tal, clinic, or university		
	☐ Other (Describe)			
34.	Including yourself, how	many physicians are in this primary p	ractice arrangement?	
	☐ 1 (SKIP TO QUESTION	36)		
	□ 2 - 5			
	□ 6 - 15			
	□ 16 - 49			
	□ 50 - 99			
	□ 100+			

35. Is this a single-specialty or multi-specialty setting?	Is this a single-specialty or multi-specialty setting?
☐ Single-specialty	☐ Single-specialty
☐ Multi-specialty	☐ Multi-specialty

36.	During a typical week, approximately how many patients do you see?
	□ 50 or fewer
	□ 51 - 75
	□ 76 - 100
	□ 101 or more
37.	Approximately what percentage of your patients are covered by managed care plans? (Include HMOs PPOs, IPAs, and Point-of-Service plans)
	□ 0%
	□ 1 - 25%
	□ 25 - 50%
	□ 50 - 75%
	□ 75 - 100%
38.	Do you as an individual have an affiliation with a medical school, such as an adjunct, clinical, or other faculty appointment?
	□ Yes
	□ No
39.	Do you consider yourself to be of Hispanic or Latino descent?
	□ Yes
	□ No

40.	Regarding your ethnic background, which group do you consider yourself to be in? (CHECK ALL THAT APPLY)
	☐ American Indian or Alaska Native
	□ Asian
	☐ Black or African-American
	□ Native Hawaiian or other Pacific Islander
	□ White
	□ Other
41.	Is there anything else you would like to tell us about colorectal cancer screening, diagnostic follow-up, or surveillance in your practice or in general?

Thank you very much. We greatly appreciate your participation. Study results will help us to better understand the emerging and challenging area of colorectal cancer screening, diagnostic follow-up, and surveillance. Please return your completed survey in the enclosed postage-paid envelope or fax it to the attention of Dr. Lorayn Olson, Abt Associates at (312) 867-4200