

2019 CAG NEEDS ASSESSMENT SUMMARY OF RESPONSES

Quick Overview: Educational Topic Findings

The online 2019 Needs Assessment survey was programmed through SurveyMonkey and a personalized request to complete the questionnaire was emailed to CAG members on April 15th with two subsequent reminders. As of May 2nd, a total of 142 respondents had completed the survey demographics, of which **128** went on to rate 50 potential educational topics. For educational topics respondents were asked to indicate their level of interest for topics on a five-point scale ranging from 'No interest' to 'Very interested'.

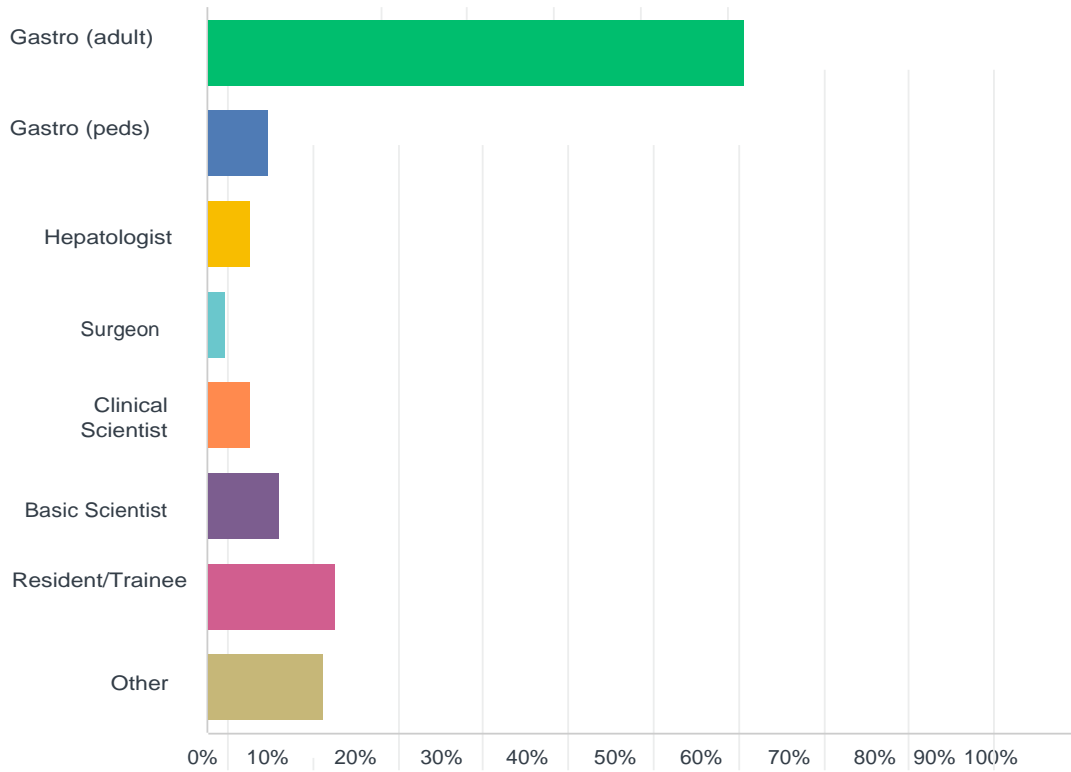
The table below summarizes the top 3 picks (**percent that selected 'Very interested'**) for the major respondent subgroups

Respondents	1 st Choice (% very interested)	2 nd Choice (% very interested)	3 rd Choice (% very interested)
Gastroenterologists - Adult (n=80)	Endoscopic techniques & therapeutics: management (polypectomy) (52.5%)	<ul style="list-style-type: none"> - Crohn's & Ulcerative Colitis: therapeutics, Tx of complications, fistulas etc; - Certified multi-day training during CDDW™ (ACLS, SEE Polypectomy Course, GRADE training) (each 45%) 	Hands-on stations for endoscopic skills (42.5%)
Gastroenterologists - Pediatric (n=10)	Crohn's & Ulcerative Colitis: therapeutics, Tx of complications, fistulas etc; (80%)	<ul style="list-style-type: none"> - Pediatric Liver Diseases - IBD: Pathogenesis, genetics, etiology (Each 60%) 	<ul style="list-style-type: none"> - Hands-on stations for endoscopic skills - Radiological Imaging modalities for GI disorders - Endoscopic techniques & therapeutics: management (polypectomy) - Certified multi-day training during CDDW™ (ACLS, SEE Polypectomy Course, GRADE training) (each 40%)
Teaching hospital based (n=70)	Endoscopic techniques & therapeutics: management (polypectomy) (52.86%)	Hands-on stations for endoscopic skills (48.57%)	Crohn's & Ulcerative Colitis: therapeutics, Tx of complications, fistulas etc; (47.14%)
Community hospital based (n=39)	Endoscopic techniques & therapeutics: management (polypectomy) (53.85%)	Crohn's & Ulcerative Colitis: therapeutics, Tx of complications, fistulas etc; (51.28%)	<ul style="list-style-type: none"> - NAFLD - Certified multi-day training during CDDW™ (ACLS, SEE Polypectomy Course, GRADE training) - IBD: Pathogenesis, genetics, etiology (each 46.15%)
Basic Scientist (n=12)	IBD: Pathogenesis, genetics, etiology (75%)	Crohn's & Ulcerative Colitis: Therapeutics, Tx of complications, fistulas etc. (41.67%)	Esophageal & Upper GI Motility Disorders (33.33%)
Trainees (n=18)	<ul style="list-style-type: none"> - Hands-on stations for endoscopic skills; - Endoscopic techniques & therapeutics: management (polypectomy) (each 73.68%) 	Endoscopic techniques & therapeutics: management (polypectomy) (63.16%)	Pancreatitis & pancreatic diseases (57.89%)

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q3 Specialty (check all that apply)

Answered: 142 Skipped: 0

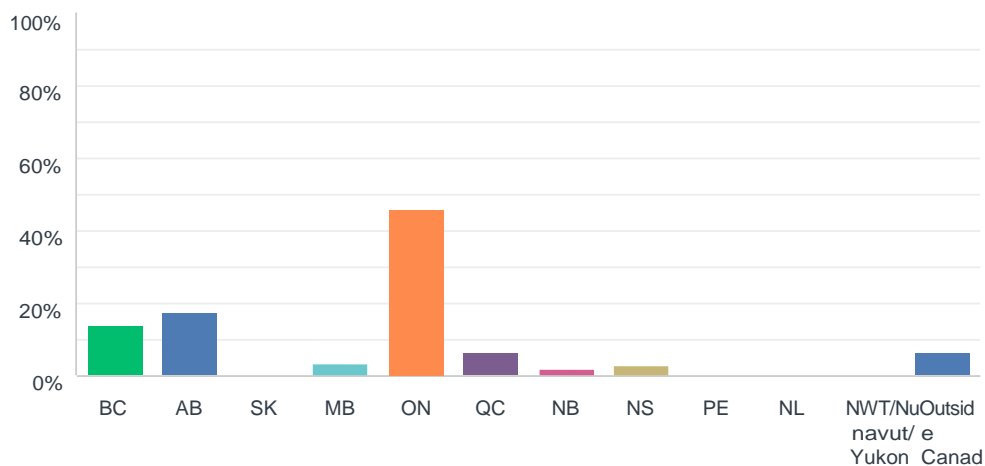


ANSWER CHOICES	RESPONSES	
Gastroenterologist (adult)	61.97%	88
Gastroenterologist (pediatrics)	7.04%	10
Hepatologist	4.93%	7
Surgeon	2.11%	3
Clinical Scientist	4.93%	7
Basic Scientist	8.45%	12
Resident/Trainee	14.79%	21
Other	13.38%	19
Total Respondents: 142		

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q4 Your location:

Answered: 142 Skipped: 0

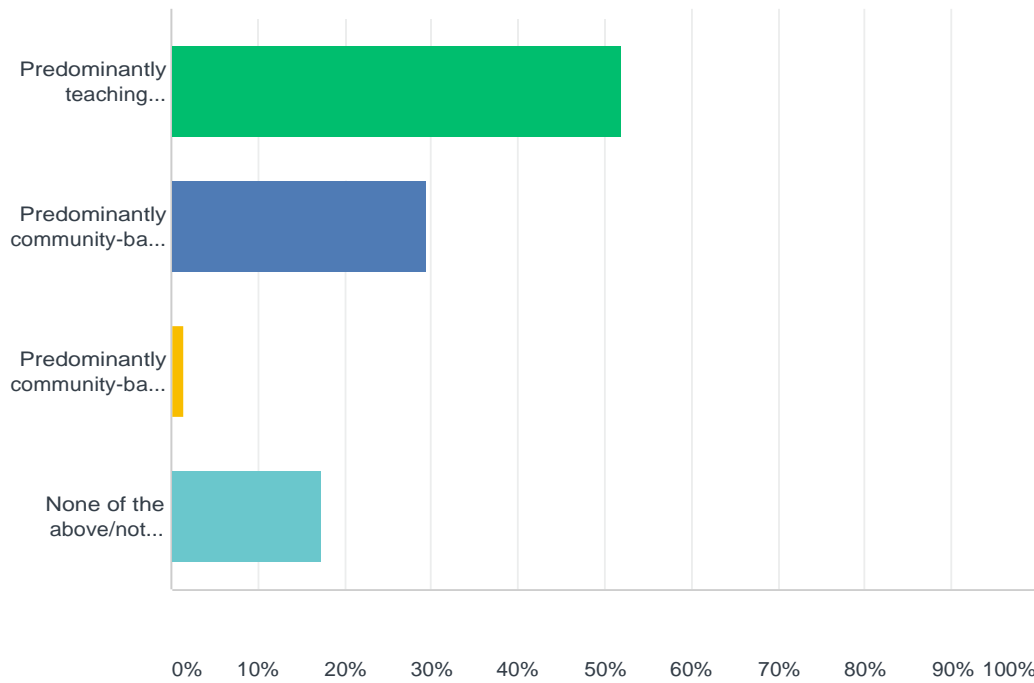


ANSWER CHOICES	RESPONSES	
BC	14.08%	20
AB	17.61%	25
SK	0.70%	1
MB	3.52%	5
ON	45.77%	65
QC	6.34%	9
NB	2.11%	3
NS	2.82%	4
PE	0.00%	0
NL	0.70%	1
NWT/Nunavut/Yukon	0.00%	0
Outside Canada	6.34%	9
TOTAL		142

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q5 Affiliation

Answered: 139 Skipped: 3

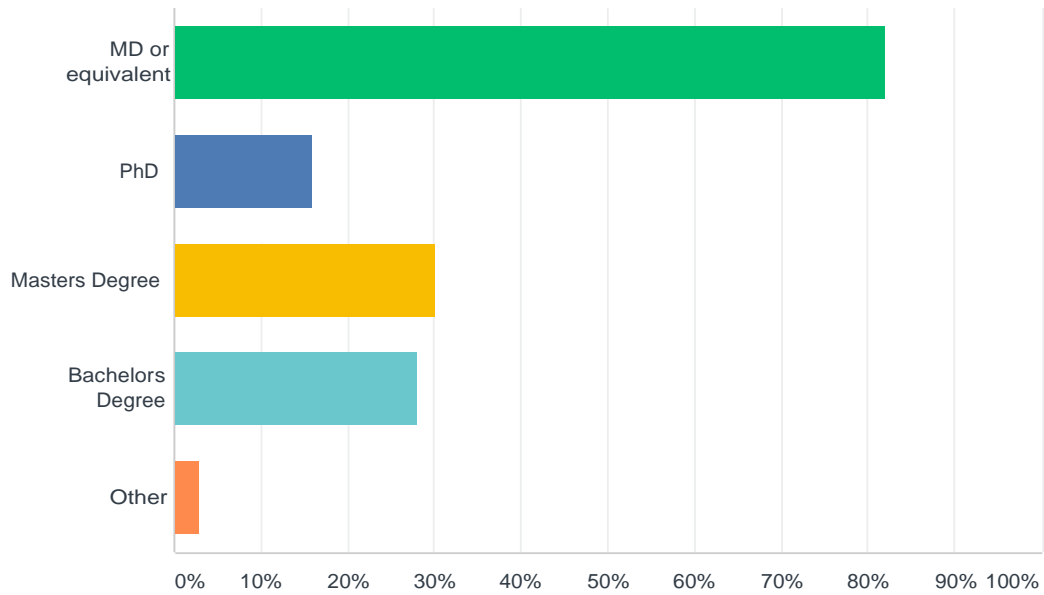


ANSWER CHOICES	RESPONSES	
Predominantly teaching hospital based	51.80%	72
Predominantly community-based with hospital privileges	29.50%	41
Predominantly community-based without hospital privileges	1.44%	2
None of the above/not applicable	17.27%	24
TOTAL		139

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q6 Education (check all that apply)

Answered: 139 Skipped: 3

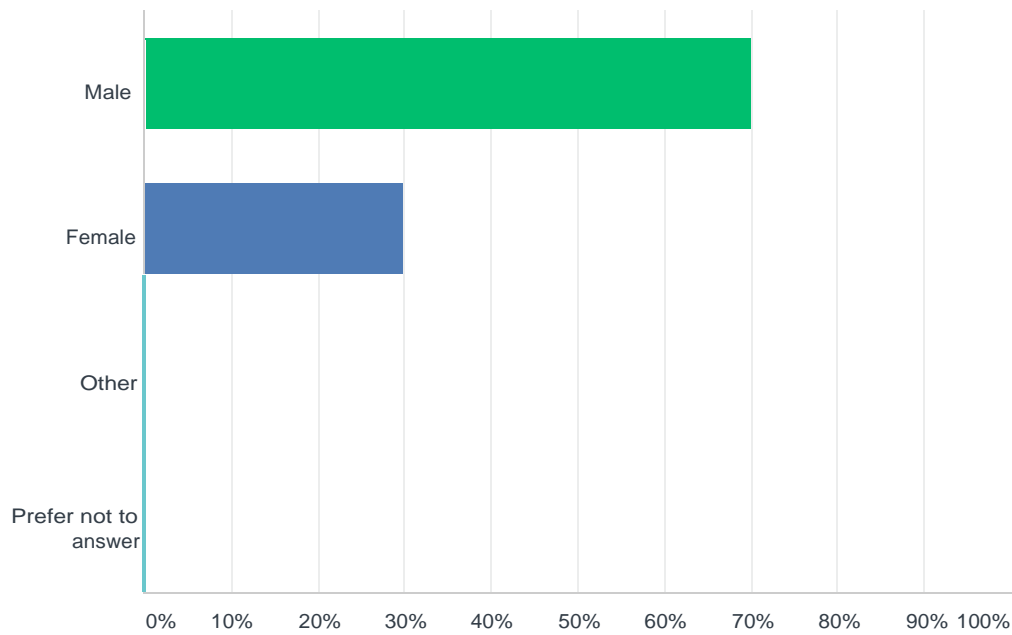


ANSWER CHOICES	RESPONSES	
MD or equivalent	82.01%	114
PhD	15.83%	22
Masters Degree	30.22%	42
Bachelors Degree	28.06%	39
Other	2.88%	4
Total Respondents: 139		

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q7 How would you describe yourself?

Answered: 139 Skipped: 3

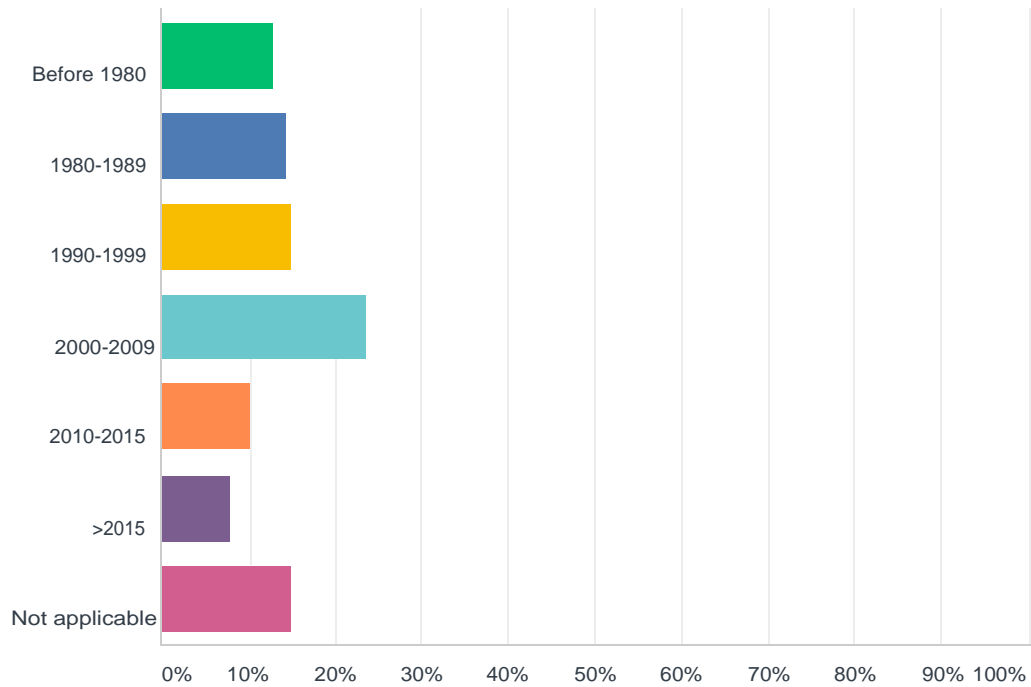


ANSWER CHOICES	RESPONSES	
Male	70.50%	98
Female	28.78%	40
Other	0.00%	0
Prefer not to answer	0.72%	1
TOTAL		139

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q8 Year of medical school graduation

Answered: 139 Skipped: 3

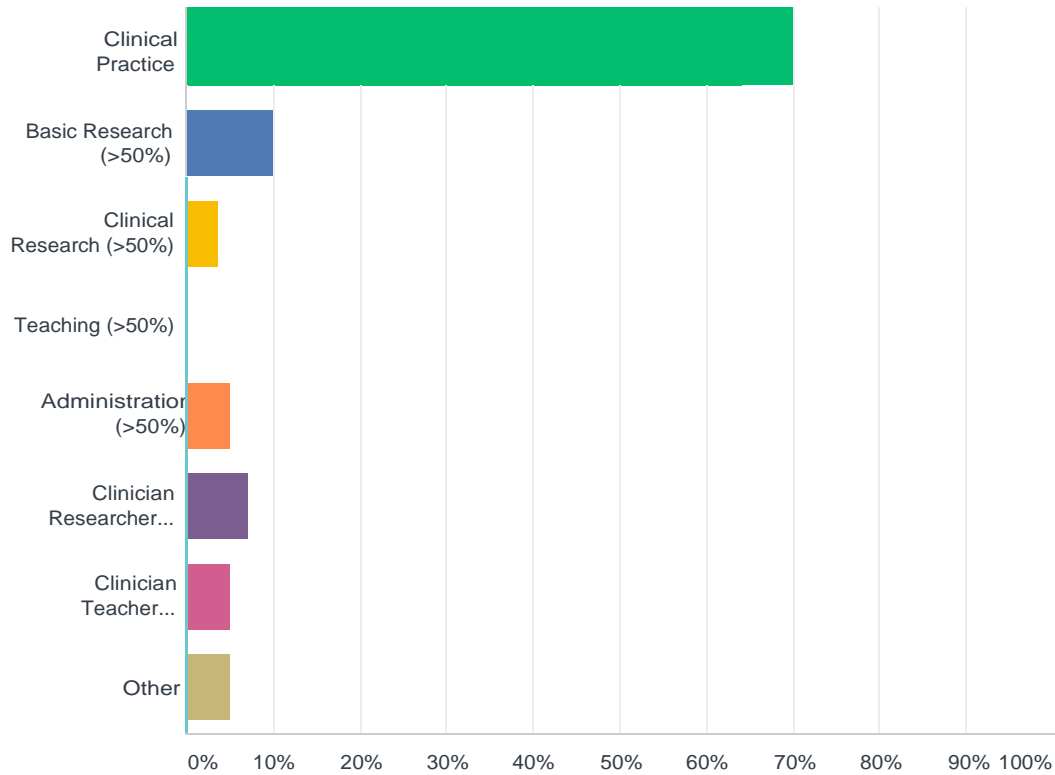


ANSWER CHOICES	RESPONSES	
Before 1980	12.95%	18
1980-1989	14.39%	20
1990-1999	15.11%	21
2000-2009	23.74%	33
2010-2015	10.79%	15
>2015	7.91%	11
Not applicable	15.11%	21
TOTAL		139

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q9 In which category do you spend most of your time? (check only one)

Answered: 139 Skipped: 3



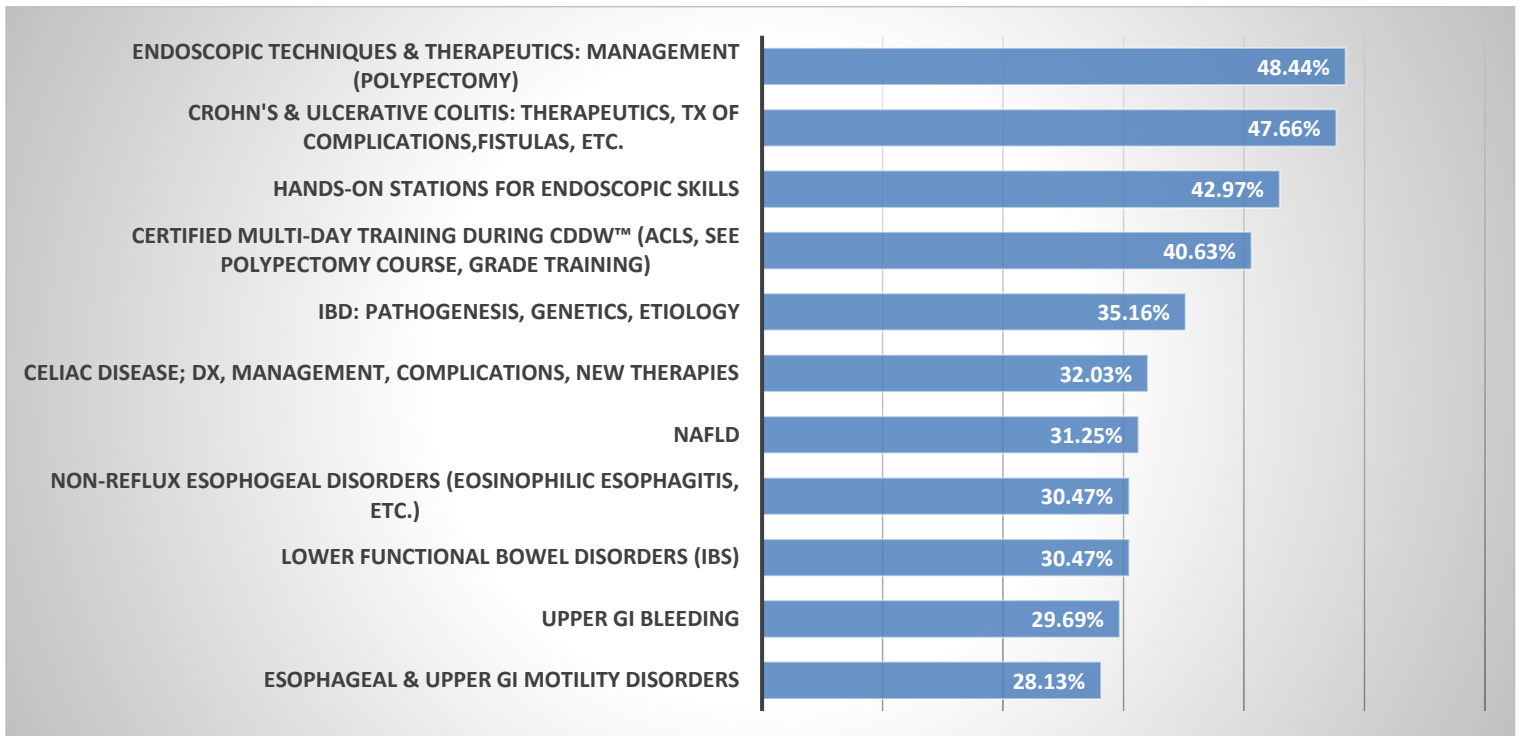
ANSWER CHOICES	RESPONSES	
Clinical Practice	64.03%	89
Basic Research (>50%)	9.35%	13
Clinical Research (>50%)	3.60%	5
Teaching (>50%)	0.72%	1
Administration (>50%)	5.04%	7
Clinician Researcher (research <=50%)	7.19%	10
Clinician Teacher (teaching <=50%)	5.04%	7
Other	5.04%	7
TOTAL		139

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

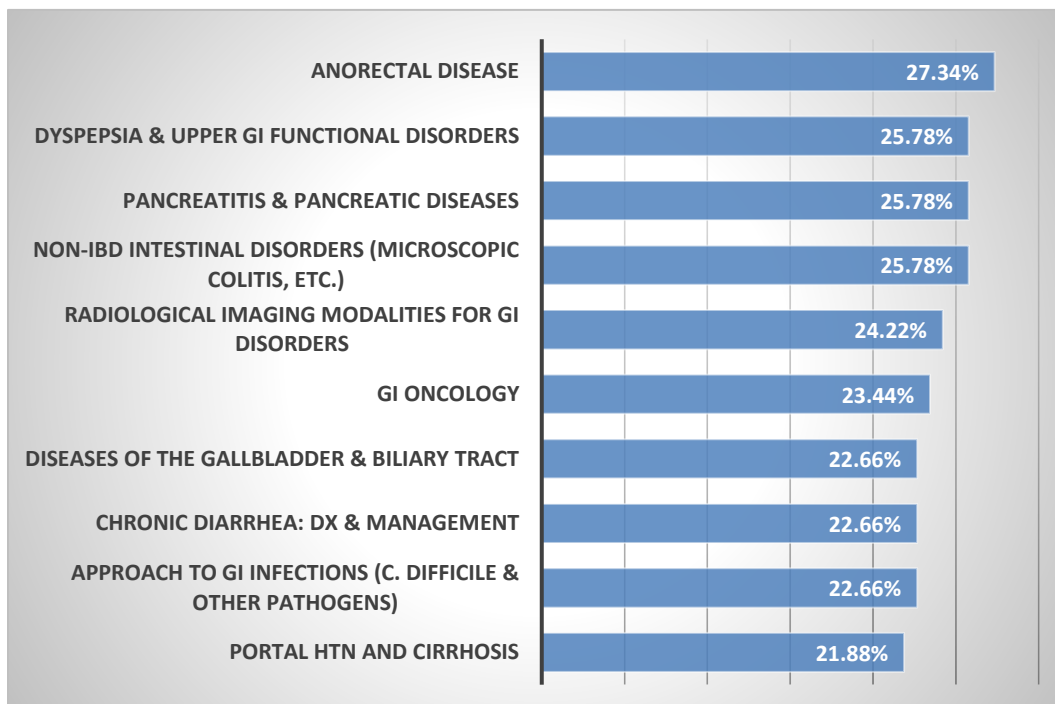
Q10 Please indicate how strongly you would like to see an educational event on each topic listed below
(note: you must rate each topic).

Answered: **128** Skipped: 14

Top 11 Topics that rated Highest for VERY INTERESTED



Topics in which 22-27% of respondents were VERY INTERESTED



2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Topics in which 6-21% of respondents were VERY INTERESTED

Answered: 128 Skipped: 14

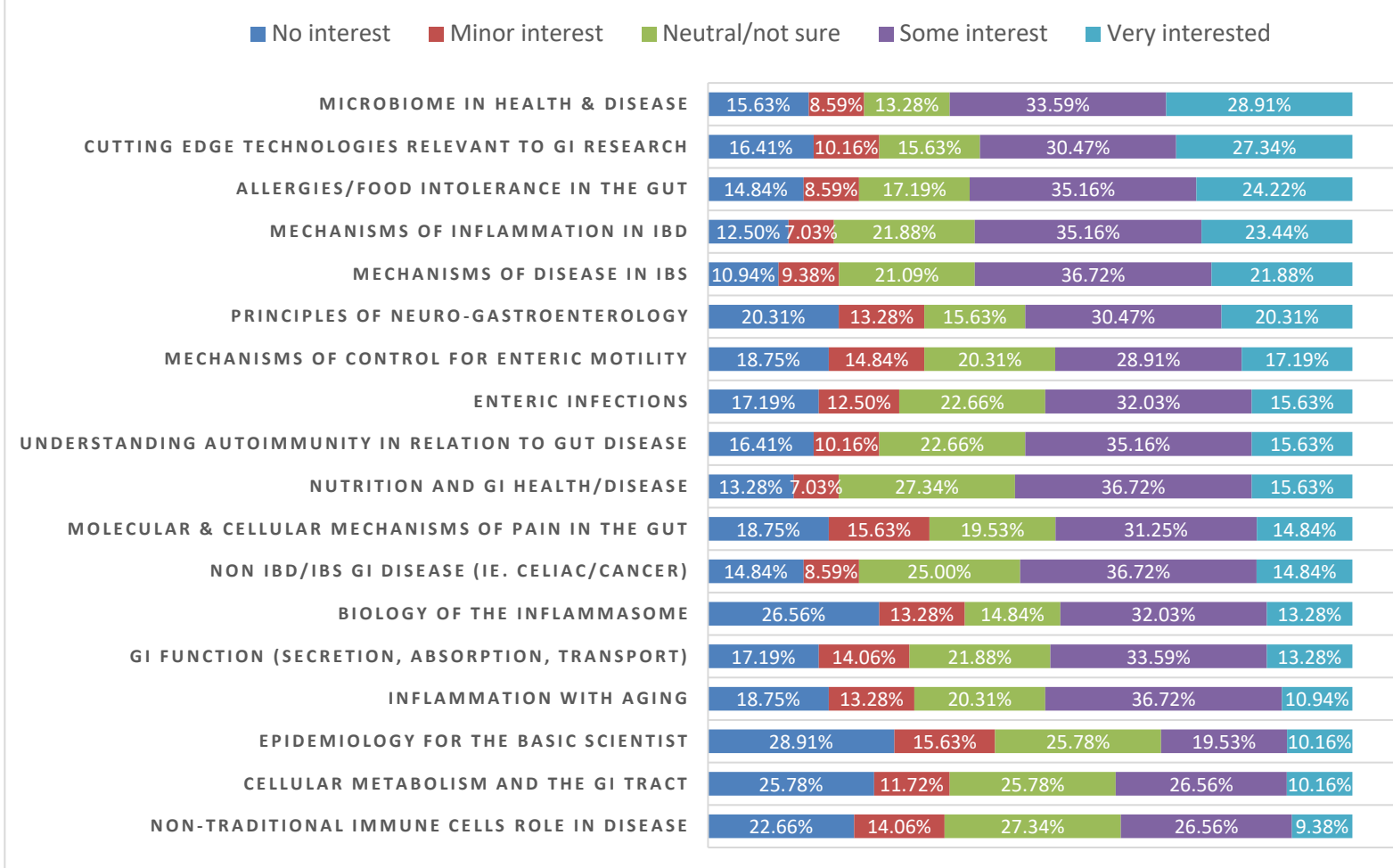


2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q11 For the content of a **BASIC SCIENCE** educational session, please indicate how strongly you would like to see each topic below addressed

Answered: 128 Skipped: 14

(Sorted by highest rating of VERY INTERESTED from top to bottom)



2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q12 Optional: List one or two OTHER topics that you would like to see covered. Please DO NOT repeat topics listed above. Please enter only one topic per text box.

Answered: 37 Skipped: 105

#	TOPIC #1
1	vomiting
2	Neuroendocrine tumors
3	changing epidemiology of GI cancers
4	Cellular biology of cells of the gut
5	Diabetic gastroparesis
6	Artificial intelligency for endoscopy diagnostics
7	Focused topics in clinical epidemiology (e.g. how to read an observational study; can I trust this RCT)
8	Personalized medicine
9	management of refractory celiac disease
10	Eus
11	therapeutic options in treatment enteric infections
12	burnout
13	None at this time
14	Pancreatic cancer development and diagnosis
15	Na
16	Utilities of diagnostic tests in motility and functional GI disorders
17	Cognitive behaviour therapy in IBS
18	Artificial Intelligence in Gastroenterology
19	Liver transplant
20	Skill upkeep and rare procedure competence in pediatric gastroenterology
21	Quality colonoscopy skills
22	.
23	Quality Improvement
24	Food intolerance
25	Pancreatic cysts and neoplasm
26	IBD
27	The difficult patient
28	How to improve your endoscopy clinic
29	Pathology and celiac disease

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

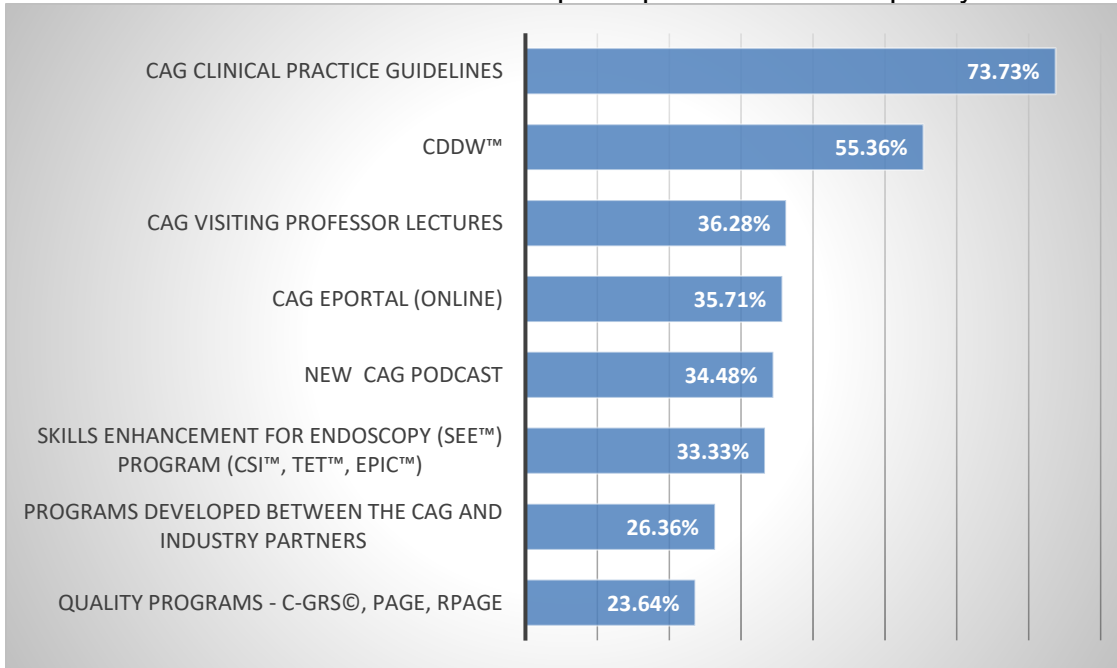
30	Liver transplantation
31	Review of current "healthy diet" evidence (ie not the Canada food guide) - what is a "healthy diet"
32	Epithelial restitution in mucosal healing
33	Endoscopic diagnosis
34	Hepatitis C
35	Mechanisms of diet impact on IBD
36	Ppst retirement planning
37	value of breath testing (destroying the myth that it is not useful)
#	TOPIC #2
1	abdominal pain
2	Fecal transplant
3	evidence that QA (eg GRS-C) works in endoscopy
4	Constipation
5	Endoscopic techniques for treatment of early cancer: ESD, full thickness resection.
6	Personalized nutrition
7	cases which taught me
8	Esd
9	naturalpathic medicine and IBD
10	professional options in early retirement
11	Cellular mechanisms involved in the development of pancreatic cancer
12	Management of endoscopy units/credentialing
13	Abdominal Point-of-Care Ultrasound in Gastroenterology
14	Post bariatric gastrointestinal problems and treatment
15	Technology/Apps... related to GI practice in 2020
16	
17	C-GRS updates
18	International Medical Graduates and gastroenterology in Canada
19	IBS
20	Bookkeeping for the physician
21	Ergonomics in endoscopy
22	Pathology and IBD
23	Specific carb diet or other anti-inflammatory diets for management of IBD
24	Epithelial stem cell - mesenchymal cell interactions
25	Weight loss
26	Host-microbial interactions in IBD
27	autonomic dysfunctions in GI disorders

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q13 Please indicate all CAG continuing professional development (CPD) programs/tools/events that you have used/participated in over the past year, and how much it increased your knowledge/changed your practice.

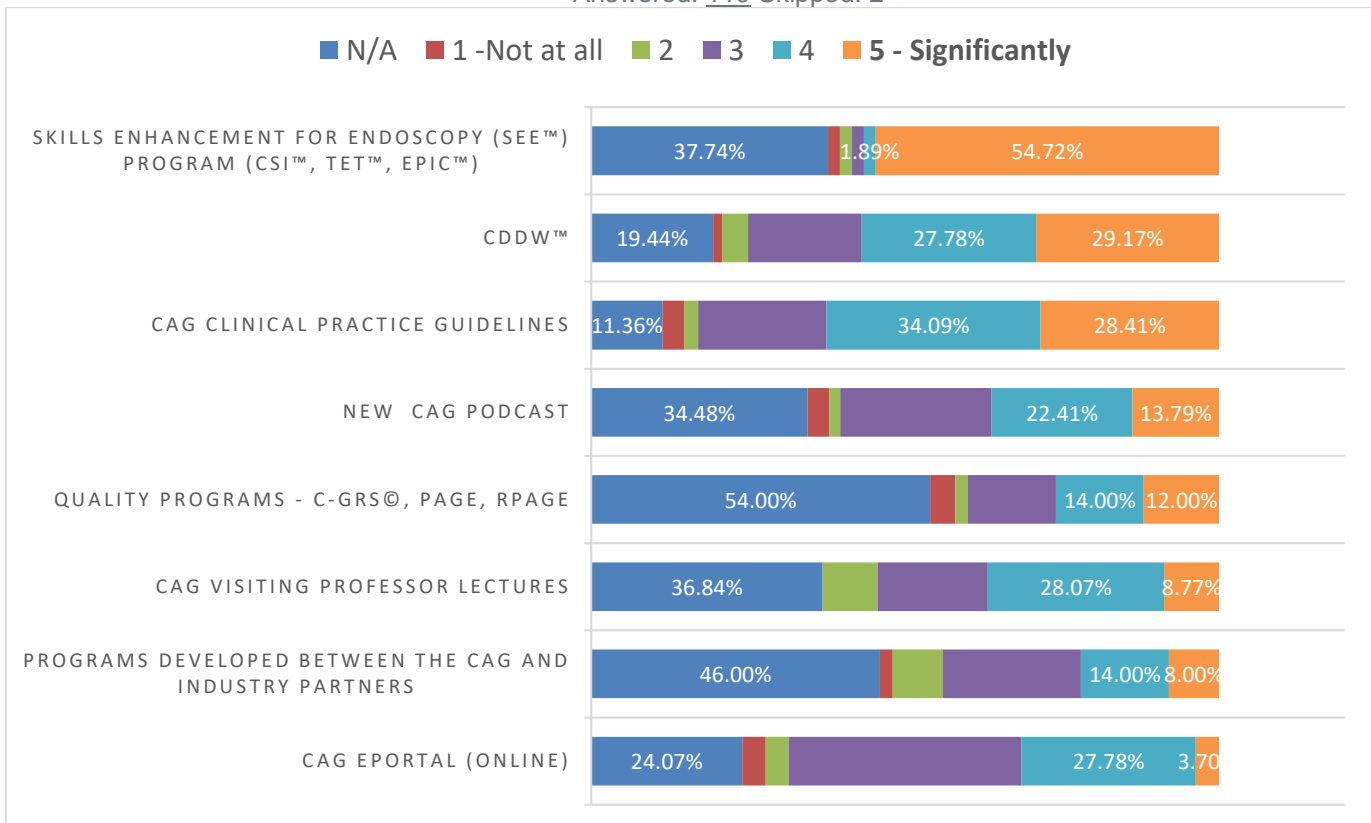
Answered: 119 Skipped: 2

Used or participated in over the past year



Rate how much participation increased your **KNOWLEDGE**

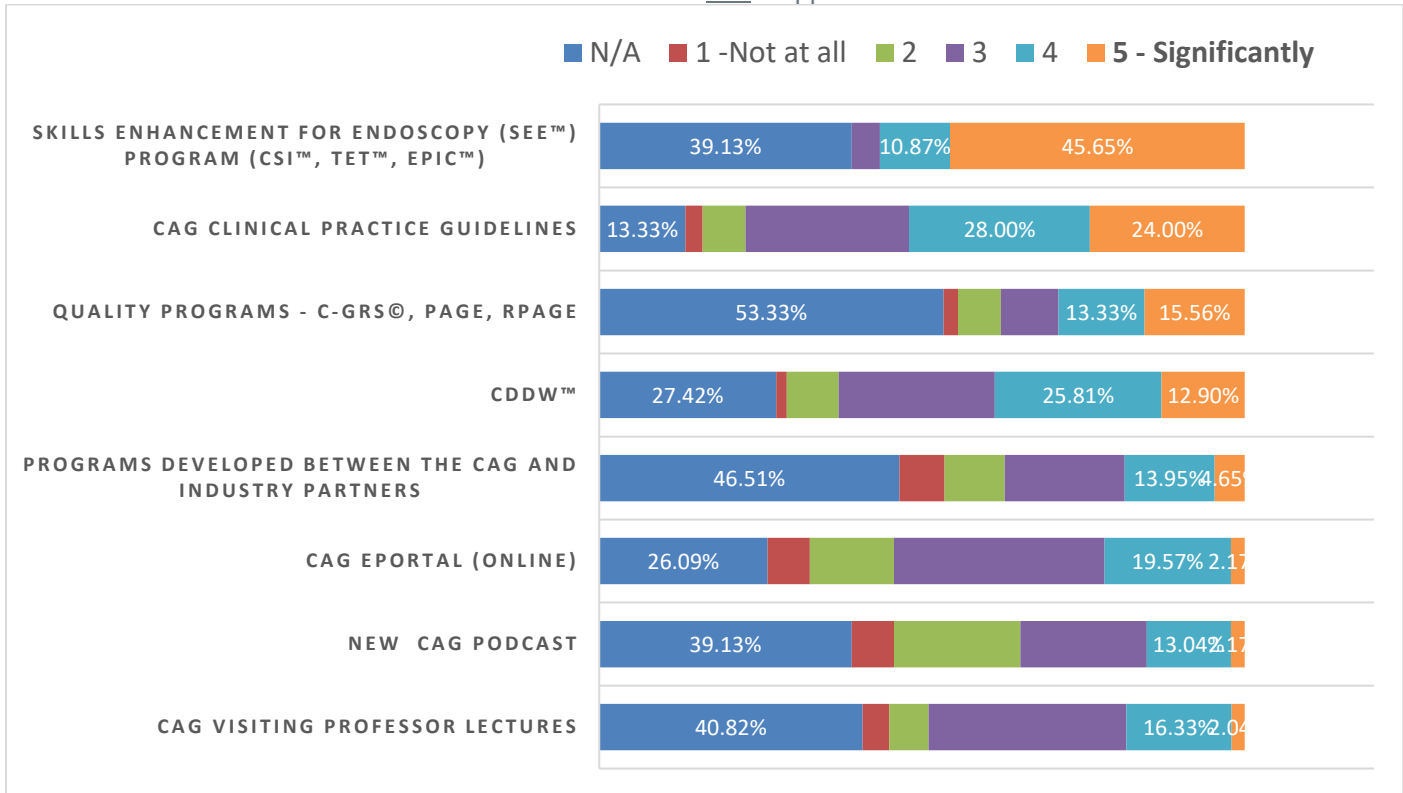
Answered: 119 Skipped: 2



2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

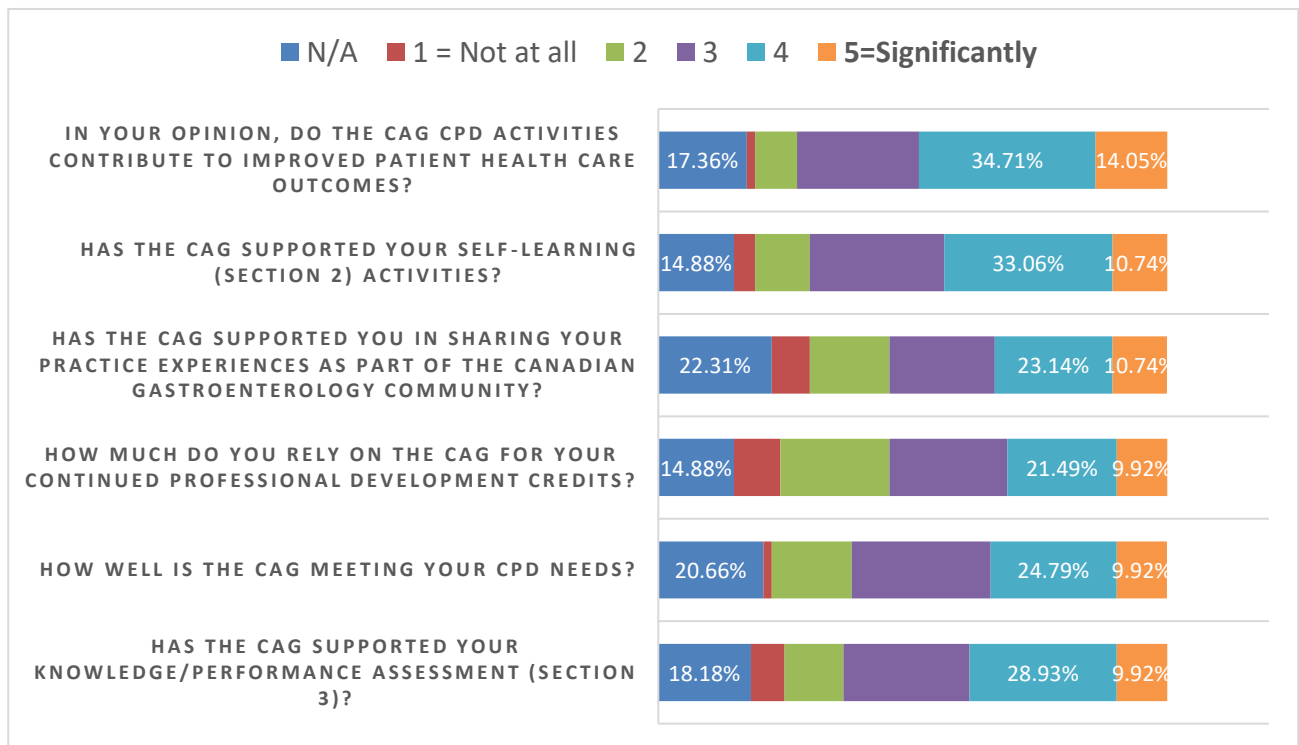
Rate how much participation **CHANGED YOUR PRACTICE**

Answered: 119 Skipped: 2



Q 14 Using the 5-point scale, please answer each of the following questions (or indicate N/A)

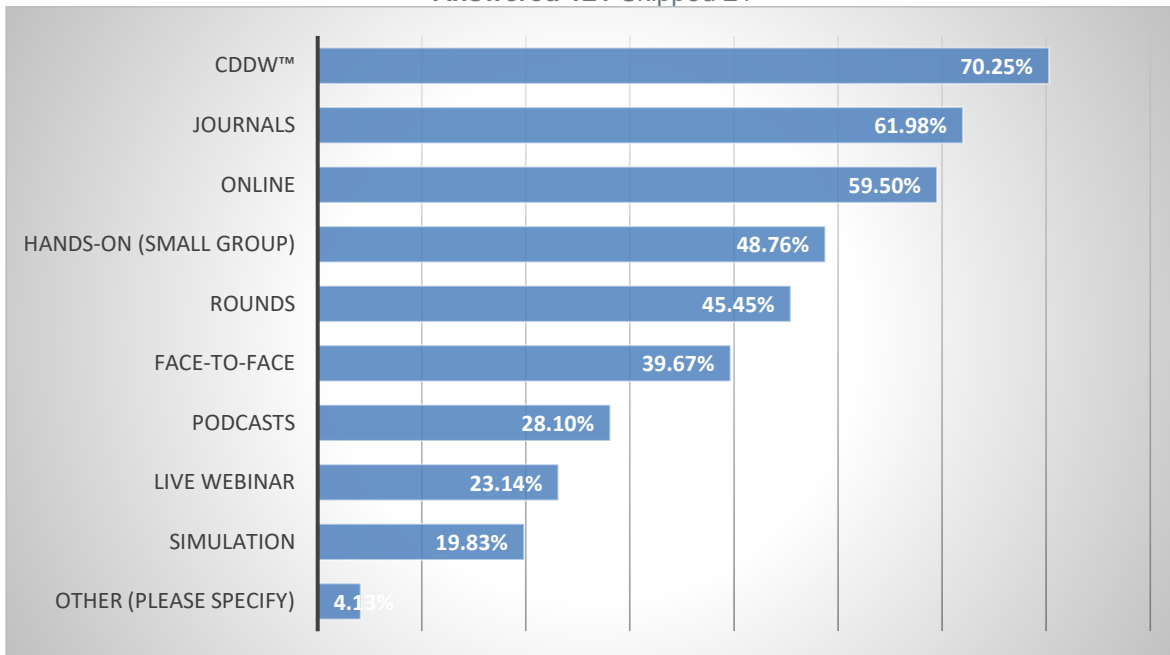
Answered 121 Skipped 21



2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q 15 What are your preferred methods of learning? (check all that apply)

Answered 121 Skipped 21

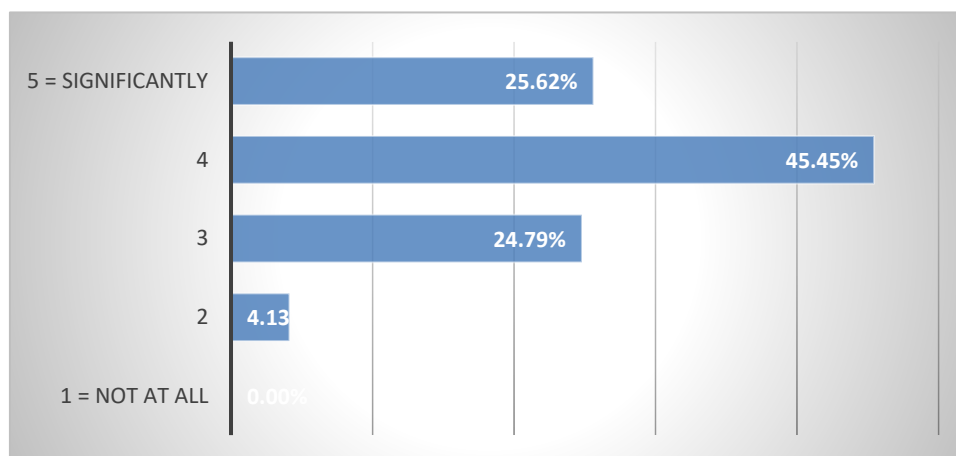


OTHER (PLEASE SPECIFY)

- | | |
|---|---|
| 1 | have not used podcast yet but beleive they are useful |
| 2 | Conferences |
| 3 | Live endoscopy |
| 4 | meetings |
| 5 | Guidelines |

Q16 Please rate how well you feel the CAG achieves its CPD mission statement of *"committed to providing an educational environment that fosters the continued professional development of its members through diverse learning opportunities and programs that promote and enhance their clinical, scientific and procedural skills, as well as facilitating opportunities for self-directed assessment and learning to ultimately enhance patient care."*

Answered: 121 Skipped: 21



2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q17 Please comment on a **STRENGTH** of the CAG's CPD activities.

Answered: **34** Skipped: 108

1	excellent learning process	5/4/2019 1:18 AM
2	Great	5/3/2019 4:03 AM
3	very comprehensive CDDW is good value	5/2/2019 10:00 AM
4	SEE courses outstanding	5/1/2019 7:31 PM
5	SEE and hands on training. E portal	5/1/2019 9:52 AM
6	The annual meetings are very well organized and executed.	5/1/2019 7:53 AM
7	SEE program is amazing	4/30/2019 7:51 PM
8	CDDW was a great learning and personal development opportunity for a graduate student studying intestinal disease.	4/30/2019 6:21 PM
9	Need to have broader topics	4/30/2019 5:13 PM
10	update and practice relevant	4/29/2019 10:06 AM
11	practical	4/27/2019 9:02 PM
12	CAG had provided very helpful and educational CPD activities.	4/24/2019 10:01 PM
13	Na	4/24/2019 11:40 AM
14	Well balance and address important/popular topics in the GI (eg position statements of long use of PPIs - most recently on the topic gastric cancer)	4/24/2019 7:54 AM
15	They are good but need more exposure	4/23/2019 10:26 PM
16	Improving quality in all aspects of practice	4/23/2019 10:25 PM
17	Responsive to varied needs of CAG Members Accredited	4/23/2019 8:33 PM
18	CDDW is a great networking meeting	4/23/2019 5:37 PM
19	Updated materials	4/22/2019 7:52 PM
20	Easily available, inexpensive, high quality	4/20/2019 12:58 PM
21	SEE and support of GRS is excellent.	4/18/2019 3:09 PM
22	Online	4/17/2019 8:43 PM
23	They are good and cover significant topics	4/16/2019 9:00 AM
24	varied and easy access	4/16/2019 5:05 AM
25	Tailored to Canadian needs	4/16/2019 2:05 AM
26	Good overviews, nothing earth-shattering	4/15/2019 8:38 PM
27	Small group learning in comfortable environment at cddw	4/15/2019 7:53 PM
28	Networking with colleagues	4/15/2019 5:24 PM
29	Excellent and multiple modalities	4/15/2019 4:57 PM
30	I feel like the CAG is trying hard to create events/tools to help it's members.	4/15/2019 4:06 PM
31	Enjoyed colonoscopy skills enhancement	4/15/2019 4:05 PM
32	Well organized and evidence based	4/15/2019 3:19 PM
33	People - great community to work with	4/15/2019 3:16 PM
34	Opportunity for increased focus on translational possibilities for basic research advances.	4/15/2019 3:16 PM

2019 CAG ANNUAL NEEDS ASSESSMENT SUMMARY OF RESPONSES

Q18 Please comment on a **WEAKNESS** of the CAG's CPD activities.

Answered: **29** Skipped: 113

1	slow	5/4/2019 1:18 AM
2	na	5/2/2019 10:00 AM
3	online modality not often utilized	5/1/2019 7:31 PM
4	Promotion of existing body of courses, number of training spots available for SEE, EPIC, etc	5/1/2019 9:52 AM
5	None	4/30/2019 7:11 PM
6	Opportunities and activities are heavily skewed towards clinicians. Clinicians and basic researchers should be less 'siloed'	4/30/2019 6:21 PM
7	Need to try to engage new speakers with different practices.	4/30/2019 5:13 PM
8	really have no comment	4/29/2019 10:06 AM
9	always same speakers	4/27/2019 9:02 PM
10	none	4/24/2019 10:01 PM
11	limited accessibility in certain high demand area (eg EPIC)	4/24/2019 7:54 AM
12	Not well advertised	4/23/2019 10:26 PM
13	Communication in French with Francophone members	4/23/2019 10:25 PM
14	Practice audit and reflective practice throughout one's career remain difficult to implement. Consider reviewing new technologies to address these gaps.	4/23/2019 8:33 PM
15	No weaknesses that I can think of	4/23/2019 5:37 PM
16	Lack of dissemination - would prefer a notification of new activities available on the website with a direct link to click on.	4/22/2019 7:52 PM
17	Further support of GRS through individual site engagement.	4/18/2019 3:09 PM
18	EPIC course is only offered in the eastern provinces. Please offer this course somewhere in BC or AB.	4/17/2019 10:42 PM
19	Need more section 3 credits	4/17/2019 8:43 PM
20	Need more category 1 content	4/16/2019 9:00 AM
21	None noted	4/16/2019 5:05 AM
22	Not well advertised	4/16/2019 2:05 AM
23	CDDW has a lot of research emphasis, but fortunately enough to keep a clinician busy. This year had a heavy Paeds emphasis. I understand the need to integrate, but it was not relevant to many of us.	4/15/2019 8:38 PM
24	Focuses too much on pediatric GI	4/15/2019 7:53 PM
25	Lack of hepatology representation	4/15/2019 5:24 PM
26	Not a weakness but I think promotion could potentially be done better. As a trainee I'm probably not using as much of the resources as I should/can. Maybe reaching out to program directors to incorporate it into our training could be an option to promote (ie spending a half day where all the online resources etc are shown to us).	4/15/2019 4:06 PM
27	Insufficient pediatric content	4/15/2019 3:19 PM
28	Simply not enough science. CDDW lacks emphasis and engagement.	4/15/2019 3:16 PM
29	Too much non-academic clinical focus	4/15/2019 2:09 PM