Supplementary Material

Adapting to change: exploring perceptions and demands of the coronavirus (COVID-19) workforce changes – an Australian multi-institutional radiation oncology survey

Honor Magon^A (BSc, MBBS, GCert, BLead, Digital Health Clinical Consultant), *Justin Smith*^{B,C,D} (MBBS (Hons), MPH, Radiation Oncology Advanced Trainee), *Jacqueline Besson*^B (BAppSc, MRT (Radiation Therapy), Radiation Therapist), *Eric Hau*^{E,F,G,H} (BSc (Med), MBBS, FRANZCR, PhD, Radiation Oncologist), *Suzanne Taylor*^{C,I} (MBBS, FRANZCR, Radiation Oncologist), *Jeremy Ruben*^{J,K} (MBBCh (Hons), MD, MMed, FRANZCR, Radiation Oncologist), *Diana Jones*^B (BN, GradCertNursing, Nurse), *Kira Mabb*^L (BHlthSc (Nut), MDietSt, Nutritionist), *Jamie Feldman*^L (BHlthSc (Nutrition and Dietetics), Nutritionist), *Leily Gholam Rezaei*^M (MD, FRANZCR, Radiation Oncologist) and *Yoo Young Lee*^{B,C,*} (MBChB, FRANZCR, Radiation Oncologist)</sup>

^ADigital Health and Informatics, Princess Alexandra Hospital, Ipswich Road Campus, Brisbane, Qld 4102, Australia

^BDepartment of Radiation Oncology, Princess Alexandra Hospital, Ipswich Road Campus, Brisbane, Qld, Australia

^CFaculty of Medicine, University of QLD, Brisbane, Qld, Australia

^DCollege of Medicine and Dentistry, James Cook University, Townsville, Qld, Australia

^ECrown Princess Mary Cancer Centre, Westmead Hospital, Sydney, NSW, Australia

^FBlacktown Haematology and Oncology Cancer Cente, Blacktown Hospita, Sydney, NSW, Australia

^GWestmead Institute of Medical Research, Sydney, NSW, Australia

^HWestmead Medical School, University of Sydney, Sydney, NSW, Australia

^IDepartment of Radiation Oncology, Princess Alexandra Hospital Raymond Terrace Campus, Brisbane, Qld, Australia

^JAlfred Health Radiation Oncology ||The Alfred|| Melbourne, Vic., Australia

^KMonash University, Melbourne, Vic., Australia

^LDepartment of Nutrition and Dietetics, Princess Alexandra Hospital Ipswich Road Campus, Brisbane, Qld, Australia

^MDepartment of Radiation Oncology, Chris O'Brien Lifehouse, Sydney, NSW, Australia

*Correspondence to: Email: <u>yooyoung.lee@health.qld.gov.au</u>

Appendix 1: Working from home and remote access

Survey Question	n (%)
How would you view the ease of using remote/virtual	
solutions?	
Somewhat easy	62 (30%)
Very easy	53 (25%)
Neither easy nor hard	71 (34%)
Somewhat hard	18 (9%)
Very hard	5 (2%)
How many days a week did you work from home?*	
0 days	81 (53%)
1 day	15 (10%)
2-3 days	29 (19%)
4-5 days	29 (19%)
How do you feel working remotely affected your	
productivity?	
Slightly improved	35 (17%)
Greatly improved	37 (18%)
No change	124 (60%)
Slightly not improved	9 (4%)
Greatly not improved	3 (1%)
Positives of remote working	
Reduced travel	185 (89%)
Improved safety from COVID-19	168 (81%)
Increased flexibility in hours worked	142 (68%)
Negatives of remote working	
Reduced contact with colleagues	159 (76%)
IT issues	111 (53%)
Communication difficulties	83 (40%)

Appendix 2: Education and Quality Assurance

Survey Question	n (%)
Do you believe that your early career junior colleagues were negatively	
impacted by departmental changes?	
Yes	79 (38%)
No	66 (31%)
Don't know	65 (31%)
Ways in which early career junior colleagues were negatively impacted?	
Less time in workplace	39/79 (31%)
Decreased contact with patients	36/79 (29%)
How often did you have departmental education services prior to COVID-	
19?	
Daily	1 (0.5%)
Fortnightly	39 (19%)
Monthly	37 (18%)
Never	17 (8%)
Weekly	116 (55%)
Have departmental education services stopped as a result of COVID-19?	
Yes	27 (13%)
No	82 (39%)
Some	101 (48%)
Has there been a remote/virtual replacement of your education services?	
Yes	173 (82%)
No	37 (18%)
Would you want these remote/virtual replacements to continue?	
Yes	115 (66%)
No	6 (3%)
Occasionally	52 (30%)
Were you supervising university students before COVID-19?	32 (8878)
Yes	116 (55%)
No	60 (29%)
N/A	34 (16%)
Did you continue to supervise university students without interruption	31(10/0)
during COVID-19?	
Yes	62 (53%)
No	54 (47%)
Were you able to safely supervise students during COVID-19?	54 (4770)
Yes	87 (86%)
No	15 (15%)
Do you think that students learning experience was negatively impacted	10/01) 01
as a result of COVID-19?	
Yes	75 (740/)
No	75 (74%) 26 (26%)
Were your PDL/CPD activities cancelled or postponed as a result of	20 (20%)
COVID-19?	
Yes	AC (220/)
	46 (22%) 23 (11%)
	73111%
No	
	111 (54%) 25 (12%)

remote/virtual solutions?	
Yes	77 (43%)
No	17 (9%)
For some	86 (48%)
Did your regular department QA activities continue during COVID-19?	
Yes	165 (79%)
No	18 (9%)
Don't know	27 (13%)
Were remote/virtual solutions employed to complete QA activities? (n =	
165)	118 (72%)
Yes	47 (28%)
No	
Would you prefer to continue using virtual solutions to complete QA	
activities?	
Yes	60 (52%)
No	9 (8%)
Occasionally	47 (41%)
Are you involved in clinical trials or research activity?	
Yes	86 (41%)
No	124 (59%)
Were your trials or research activities delayed or suspended as a result of	
COVID-19?	
Delay only	34 (40%)
Both delay and suspension	32 (38%)
Suspension only	3 (4%)
No delay or suspension	16 (19%)
Are your trials or research activities now continuing?	
Yes	47 (68%)
No	1 (1%)
Majority have continued	15 (22%)
Majority are still delayed or suspended	6 (9%)
Can you see remote/virtual solutions being beneficial as part of your	
research/trial?	
Yes	58 (68%)
No	27 (32%)

Radiation Oncology COVID-19 Pandemic Response Evaluation Survey (Copy) ₈

Thank you for participating in this survey, assessing the workflow changes in Radiation Oncology departments across Australia as a result of COVID-19. The objective of this study is to gain comprehensive feedback on the recent departmental pandemic response and examine potential refinement of the existing strategies to optimise patient care and productivity of departments. It should take approximately 7-10 minutes to complete.

* Required

* This form will record your name, please fill your name.

Demographics

1. What gender do you identify as? *



) Man



Prefer not to answer

Other

2. What is your age? *

\bigcirc	<25	
\bigcirc	25-35	
\bigcirc	36 - 45	
\bigcirc	46-55	
\bigcirc	56-65	
\bigcirc	66+	

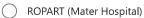
3. Which state do you work in? *



- New South Wales
- Victoria

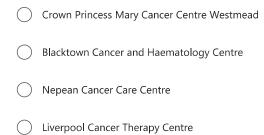
4. If you work in Queensland, which health centre do you work in? *





Townsville University Hospital

5. If you work in New South Wales, which health centre do you work in? *



- Macarthur Cancer Therapy Centre ()
- Chris O'Brien Lifehouse

6. If you work in Victoria, which health centre do you work in? *

Alfred Health Radiation Oncology Unit

7. How would you classify your employment status? *

Part-time	\bigcirc	Part-time
-----------	------------	-----------

- O Full-time
- Casual

8. Were you employed prior to the COVID-19 pandemic (i.e. before Jan 31st 2020)? *



O No

Remote working options

Questions about remote desktop access and remote working (working from home). Maximum 12 questions.

9.	Did your department offer remote access before COVID-19? *
	i.e. could you access your work computer and its programs/file from home, prior to Jan 31st 2020?

◯ Yes	
O No	
O Don't know	
Other	
10. Did your department offer remote access during COVID-19? * i.e. could you access your work computer and its programs/file from home?	
O Yes	
O No	
11. How would you view the ease of using remote/virtual solutions? *	

- Very easy
 Somewhat easy
 Neither easy nor hard
 Somewhat hard
 Very hard
- 12. During the COVID-19 pandemic, did your institution support working from home? * Working from home defined as doing part-time or full-time work from the location where you live.
 - O Yes

O No

13. If yes, do you think the option of working from home should continue?

\bigcirc	Yes
\bigcirc	No

14. How many days a week did you work from home?

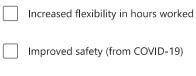
\bigcirc	0 days
\bigcirc	1 day
\bigcirc	2-3 days

4-5 days

15. If no, would you like your department to explore working from home?

\bigcirc	Yes
\bigcirc	No
\bigcirc	Other

16. In your opinion, what would you say are the positives of remote working? * Tick all that apply



Improved safety (from COVID-19)

	Reduced	trave	
--	---------	-------	--

Fewer interruptions/increased productivity

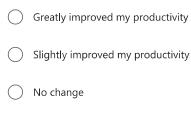
Improved work-life balance

Other

17. In your opinion, what would you say are the negatives of remote working? * Tick all that apply

Reduced	contact with colleagues
Reduced	contact with Radiation Oncologist
IT issues	
Work-life	e balance concerns
Commur	nication difficulties
Other	

18. How do you feel working remotely affected your productivity? *



- Slightly not improved my productivity ()
- Greatly not improved my productivity

19. Which type of work did you prefer to do remotely?



Admin/non-clinical work



Other

20. Do you have any comments about particular benefits or challenges with regards to IT support, remote access or telehealth consultations?

Work Life Balance

Questions about mental wellbeing and work-life balance during COVID-19. Maximum 5 questions.

21. As a result of my department's COVID-19 response... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree	Don't know
My work life balance has improved	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l have felt burnt out at work	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l have felt stressed at work	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
My workplace has communicate d that they are aware of the risk of stress and burnout	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I have felt supported by my workplace to prevent stress and burnout	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I feel confident that I know where to ask for help or assistance if I am feeling stressed at work	0	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc

22. What were the most stressful issues you experienced personally in the workforce? *
Technical challenges (i.e. new software, new hardware)
Workflow challenges (i.e. new schedules, new teams)
Fear of COVID-19
Uncertainty of COVID-19
Concern around job security
Managing other colleagues
Managing patient/carer expectations
Rapid changes
Wearing PPE
Increased workload
Other

23. Do you have any other comments with regards to stress and burnout during COVID-19?

24.	Has your	workplace	introduced	some	interventic	ons into	place to	support	your	mental
	wellbeing	g?								

For example: social video chats, newsletters

O Yes

O No

O Don't know

25. If yes, can you provide an example of these interventions?

Education

Four broad sections on junior colleagues, university students, department (in house) education and external education. Maximum 15 questions.

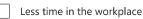
26. Do you believe that your early career junior colleagues were negatively impacted by departmental changes made during the COVID-19 pandemic? *

\bigcirc	Yes
\bigcirc	No

) I don't know

27. If yes, how were they negatively impacted?

Decreased mix of patients



Other

28. How often did you have departmental education services prior to COVID-19? *



Never

29. Have departmental education services stopped as a result of COVID-19? *

$^{\prime}$		Vec
)	res

🔵 No

Some education services stopped

30. Has there been a remote/virtual replacement of your education services? *

YesNo

31. If yes, would you want these remote/virtual replacements to continue?

- O Yes
- O No
- Occasionally

32. If no, would you want a remote/virtual replacement?

- O Yes
- O No
- Occasionally

33. Were you supervising university students before COVID-19? *

- O Yes
- O No
- N/A

34. Did you continue to supervise university students without interruption during COVID-19?

- O Yes
- O No

35. If no, when did university students return to clinical practice?

	\bigcirc	April
	\bigcirc	May
	\bigcirc	June
	\bigcirc	July
	\bigcirc	August
	\bigcirc	September
	\bigcirc	October
	\bigcirc	November
	\bigcirc	They still have not returned
36.	Wer	e you able to safely supervise them during COVID-19?
	\bigcirc	Yes
	\bigcirc	No
37.	Do y	you think their learning experience was negatively impacted as a result of CO
	\bigcirc	Yes
	\bigcirc	Νο
38.		e your PDL/CPD activities cancelled or postponed as a result of COVID-19? * (Professional Development Leave), CPD (Continuing Professional Development)
	\bigcirc	Yes
	\bigcirc	No
	\bigcirc	Some activities cancelled or postponed

a result of COVID-19?

🔘 N/A

39. Were you able to access alternative versions of your PDL/CPD via remote/virtual solutions? *

\bigcirc	Yes
\bigcirc	No
\bigcirc	For some

40. What PDL/CPD would you like to continue being offered remotely? e.g. newsletters, online seminars, webinars, virtual journal club?

Communication

Questions about communication within disciplines and format of communication. Maximum 4 questions

41. In my opinion, I found that communication with these teams regarding patient care during COVID-19 is: *

	Much more difficult	Slightly more difficult	No change	Slightly less difficult	Much less difficult
Radiation Oncologists	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Nursing staff	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Allied Health staff	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Administratio n staff	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Physics staff	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Radiation Therapy staff	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

42. With regards to virtual meetings... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
l prefer virtual meetings to face to face meetings	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
After COVID, I would be open to changing a few of the face to face meetings to virtual meetings	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
After COVID, I would be open to changing all of the meetings to virtual meetings	\bigcirc	0	\bigcirc	\bigcirc	0

43.	How did you maintain communication with your team at work? *
	Slack is a channel based messaging platform (<u>slack.com</u>), WhatsApp is a messaging platform available on both the web and via an app.

Email
Phone calls
SMS messaging
Microsoft Teams
WhatsApp
Slack
Zoom
Regular in person team meetings (social distancing)
Other

44. Would you like to add any comments about communication lessions learned during the pandemic?

e.g. working from home being adopted more, virtual meetings becoming standard etc.

Quality Assurance

Three broad categories of COVID-related QA, usual QA and trial/research activity. Maximum 7 questions.

45. Did your regular department QA activities continue during COVID-19? *

	\bigcirc	Yes
	\bigcirc	No
	\bigcirc	Don't know
46.	Wer	e remote/virtual solutions employed to complete QA activities? *
	\bigcirc	Yes
	\bigcirc	No
47	If yo	e would vou prefer to continue using virtual colutions to complete OA activities?
47.	пуе	s, would you prefer to continue using virtual solutions to complete QA activities?
	\bigcirc	Yes
	\bigcirc	No
	\bigcirc	Occasionally
48.	Are	you involved in clinical trials or research activity? *
	\bigcirc	Yes
	\bigcirc	No
49.	Wer	e your trials or research activities delayed or suspended as a result of COVID-19?
	\bigcirc	No delay or suspension
	\bigcirc	Delay only
	\bigcirc	Suspension only

Both delay and suspension

50. Are your trials or research activities now continuing?

\bigcirc	Yes
\bigcirc	No
\bigcirc	Majority have continued
\bigcirc	Majority are still delayed or suspended

51. Can you see remote/virtual solutions being beneficial as part of your research/trial?

- O Yes
- O No

Streaming

From this section onwards, you will be streamed into discipline specific questions. You will answer the section specific questions, then skip to section 14 or 15 after this. There are approximately 20 further multiple choice questions remaining for the survey, totalling 2-3 minutes.

52. Which professional group do you work in? *



Med	ical
wea	ICal

53. What stage are you in your medical career? *

\bigcirc	Consultant
\bigcirc	Fellow
\bigcirc	Registrar/PHO
\bigcirc	Resident

54. Do you consult in telehealth clinics? *

A telehealth clinic is defined as a clinic to consult patients, using a secure form of telecommunication, whether that be via the telephone or via a video conference format.

es

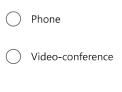
O No

55. Which communication technology/technologies do you use for your telehealth consultations?

Phone
Video-conference

	Other
--	-------

56. Which communication technology do you prefer to use for your telehealth consultations?



O Other

57. How often do you use video-conference technology for your telehealth consultations?



58. With regards to telehealth consultations... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Telehealth consultations are preferred by my patients	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l prefer doing telehealth consultations	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I maintain the same level of engagement with my patients with a telehealth consultation as I would with a face to face consultation	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
My patients' clinical outcomes were not affected by telehealth consultations	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc
There were some redundant telehealth consultations as I had to see the patient in person	0	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l feel more confident using telehealth	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I will be using telehealth more frequently after COVID- 19	\bigcirc	0	\bigcirc	\bigcirc	\bigcirc

59. Are you able to do telehealth clinics from home? *

Does your institution provide you the capability to run a telehealth clinic remotely?

O Yes

O No

60. If yes, how often did you complete telehealth clinics from home?

\bigcirc	Half a day
\bigcirc	One day
\bigcirc	Two days
\bigcirc	Three days
\bigcirc	Four days
\bigcirc	All days

61. How much time per week do you estimate you spend on telehealth consultations overall? *

\bigcirc	<5 hours
\bigcirc	5-10 hours
\bigcirc	10-15 hours

() 15 hours +

62. Which patient groups have you identified as being disadvantaged by telehealth? * Choose all that apply

Elderly
Patients requiring clinical examination
Anxious
Socially isolated
Scenarios requiring breaking bad news
Dysphasic patients
Other

63. With regards to clinical changes as a result of COVID-19... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
I have had to alter the majority of my patients' prescription to reduce hospital visits.	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
My clinical practice has been changed significantly as a result of COVID-19	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I will continue prescribing radiation similarly to how I have been prescribing during COVID-19	\bigcirc	0	\bigcirc	\bigcirc	0
Patient care suffered as a result of the decreased frequency of reviews	\bigcirc	0	\bigcirc	\bigcirc	\bigcirc

64. How many hours per week do you spend attending virtual MDT meetings? *

\bigcirc	I do not attend	any virtual	MDT	meetings
\cup	I uo not attenu	any virtual		meetings

- 1-3 hours
- 4-6 hours
- 7+ hours
- 65. What do you think is the optimum number of virtual MDT meetings to be productive in a week? *
 - 1-3 meetings



7+ meetings

66. Are you a radiation oncology trainee? *

Trainee in this circumstance refers to registrars on the program, unaccredited registrars and residents.

\bigcirc	Yes
\bigcirc	No

- 67. Has COVID-19 delayed your expected date of completion of the radiation oncology training program?
 - YesNoMaybe

N/A

68. If yes, how has COVID-19 delayed your completion date?

Unable to complete minimum required training time
Unable to sit Phase I exam
Unable to sit Phase II exam
Unable to complete required assessments on time
N/A
Other

	Greatly improved	Slightly improved	No change	Slightly worsened	Greatly worsened
MDTs	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Lectures	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Formal educational events/works hops/courses	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Procedural skills	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Planning exposure	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Contouring exposure	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Patient exposure	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Informal teaching from colleagues	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Protected time	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Study out of work	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Research output	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Networking	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

69. How has COVID-19 impacted the quality of your training experience with regards to:

70. How has COVID-19 impacted the quality of your training experience overall?



71. Trainees, do you have comments about any other effects as a result of COVID-19? Trainees including registrars and junior doctors

Nursing

72. What specialty of nursing do you work in? *

Clinic/OPD Nursing
 Rad Bay/Treatment Side Nursing
 Clinical Nurse Consultant
 Nursing Management
 Ward Nursing
 Other

73. With regards to clinical changes as a result of COVID-19... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
My clinical practice has been changed significantly as a result of COVID-19	\bigcirc	0	\bigcirc	\bigcirc	0
Patient care suffered as a result of the decreased frequency of reviews	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Patients have suffered as a result of visitor/carer accompanim ent restrictions	\bigcirc	\bigcirc	\bigcirc	\bigcirc	0
Carers have suffered as a result of visitor restrictions	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Patients or carers required more telephone support during COVID-19	0	0	0	\bigcirc	\bigcirc

74. Which patient groups have you identified as being disadvantaged by telehealth? *

		Elderly
		Patients requiring clinical examination
		Anxious
		Socially isolated
		Scenarios requiring breaking bad news
		Dysphasic patients
		Other
75.	. Ном	/ many hours per week do you spend attending virtual MDT meetings? *
	\bigcirc	I do not attend any virtual MDT meetings

\bigcirc	1-3	hours
	1-5	nours

- 4-6 hours
- 7+ hours
- 76. What do you think is the optimum number of virtual MDT meetings to be productive in a week? *
 - 1-3 meetings
 - 4-6 meetings
 - 7+ meetings
- 77. Have you had patients miss appointments due to COVID-19 related reasons (e.g. awaiting test results, a positive diagnosis, family quarantine reasons)
 - O Yes
 - O No

78. How much time per week do you estimate you spent on rescheduling as a result of COVID-19?

\bigcirc	No time
\bigcirc	1-5 hours
\bigcirc	5-10 hours
\bigcirc	10-20 hours
\bigcirc	20+ hours

79. How much time per day do you estimate you spent on fielding patient/carer clinical concerns as a result of COVID-19?

\bigcirc	No time
\bigcirc	<30 minutes
\bigcirc	30-60 minutes
\bigcirc	1-2 hours
\bigcirc	2-4 hours
\bigcirc	4 hours +

80. How much time per day do you estimate you spent on prescreening patients as a result of COVID-19?

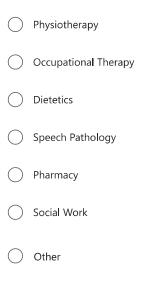
Prescreening meaning calling, messaging or emailing patients to check they haven't been at high risk of COVID-19 or tested for COVID-19.

\bigcirc	No time
\bigcirc	<30 minutes
\bigcirc	30-60 minutes
\bigcirc	1-2 hours
\bigcirc	2-4 hours
\bigcirc	4 hours +

81. Are there any other nursing specific workflow changes related to COVID-19 that you would like to mention?

Allied Health

82. Which field of allied health do you work in? *



83. Do you consult in telehealth clinics? *

A telehealth clinic is defined as a clinic to consult patients, using a secure form of telecommunication, whether that be via the telephone or via a video conference format.

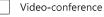
\bigcirc	Yes

	lo
--	----

84. Which communication technology/technologies do you use for your telehealth consultations?

Phone	
-------	--

 \square



	Other
--	-------

85. Which communication technology do you prefer to use for your telehealth consultations?

- O Phone
- Video-conference
- O Other

86. How often do you use video-conference technology for your telehealth consultations?



87. With regards to telehealth consultations... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Telehealth consultations are preferred by my patients	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l prefer doing telehealth consultations	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
I maintain the same level of engagement with my patients with a telehealth consultation as I would with a face to face consultation	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
My patients' clinical outcomes were not affected by telehealth consultations	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
There were some redundant telehealth consultations as I had to see the patient in person	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l feel more confident using telehealth	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
l will be using telehealth more frequently after COVID- 19	\bigcirc	0	\bigcirc	\bigcirc	\bigcirc

88. Are you able to do telehealth clinics from home?

Does your institution provide you the capability to run a telehealth clinic remotely?

O Yes

O No

89. If yes, how often did you complete telehealth clinics from home?

\bigcirc	Half a day
\bigcirc	One day
\bigcirc	Two days
\bigcirc	Three days
\bigcirc	Four days
\bigcirc	All days

90. How much time per week do you estimate you spend on telehealth consultations overall? *

\bigcirc	<5 hours
\bigcirc	5-10 hours
\bigcirc	10-15 hours

() 15 hours +

91. Which patient groups have you identified as being disadvantaged by telehealth? *

Elderly
Patients requiring clinical examination
Anxious
Socially isolated
Scenarios requiring breaking bad news
Dysphasic patients
Other

92. With regards to clinical changes as a result of COVID-19... *

	Strongly agree	Agree	Neutral	Disagree	Strongly disagree
My clinical practice has been changed significantly as a result of COVID-19	\bigcirc	0	0	0	\bigcirc
Patient care suffered as a result of the decreased frequency of reviews	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Patients have suffered as a result of visitor/carer accompanim ent restrictions	\bigcirc	0	\bigcirc	\bigcirc	\bigcirc

- 93. Were any of your clinics changed or cancelled as a result of COVID-19? e.g. speech pathology clinics because of aerosolisation risk
 - Yes
 - O No

94. If yes, can you elaborate more about how your clinics were changed or cancelled?

- 95. Have you had patients miss appointments due to COVID-19 related reasons (e.g. awaiting test results, a positive diagnosis, family quarantine reasons)
 - O Yes
 - O No

96. How much time per week do you estimate you spent on rescheduling as a result of COVID-19?

\bigcirc	No time
\bigcirc	30 mins
\bigcirc	1-2 hours
\bigcirc	3-5 hours
\bigcirc	>5 hours
\bigcirc	Other

97. Are there any other allied health specific workflow changes related to COVID-19 that you would like to mention?

Radiation Therapists

98. Have you had patients miss appointments due to COVID-19 related reasons (e.g. awaiting test results, a positive diagnosis, family quarantine reasons)

\bigcirc	Yes
\bigcirc	No

- 99. How much time per week do you estimate you spent on rescheduling as a result of COVID-19?
 - No time
 30 mins
 1-2 hours
 3-5 hours
 >5 hours
 Other
- 100. Did aspects of your normal Patient Education workflow change? Choose all that apply



Change to physical spaces where patient education takes place



Increased use of virtual approaches



Reduced face to face patient education

Other

101. Did aspects of your normal CT/imaging workflow change? Choose all that apply

CT staff separated into teams
CT area quarantined
Other RT staff not permitted in CT
Reduced radiation oncology attendance at CT
Changes to work hours
Changes to shift patterns
Other

102. Did aspects of your normal planning workflow change? Choose all that apply

All planning staff working from home
Some planning staff working from home
Physical space changes
Planning staff not participating in CT/imaging or treatment
Changes to work hours
Changes to shift patterns
Other

103. Did aspects of your normal QA workflow change?

Choose all that apply

	All QA staff working from home
	Some QA staff working from home
	Physical space changes
	QA staff split into sub-teams
	QA staff not participating in CT/imaging or treatment
	Changes to work hours
	Changes to shift patterns
	Other
104.	aspects of your normal Treatment workflow change? ose all that apply
	Isolating treatment teams from other staff
	Patient appointment changes/duration
	Changes to work hours
	Changes to shift patterns
	Cleaning time

Other

105. Would you like to see changes your service has made in the following categories, to be permanently adopted or adjusted?

	Yes	No	Maybe
Rostering	\bigcirc	\bigcirc	\bigcirc
Meetings	\bigcirc	\bigcirc	\bigcirc
Patient education	\bigcirc	\bigcirc	\bigcirc
СТ	\bigcirc	\bigcirc	\bigcirc
Planning	\bigcirc	\bigcirc	\bigcirc
Treatment	\bigcirc	\bigcirc	\bigcirc
QA	\bigcirc	\bigcirc	\bigcirc
Staff education	\bigcirc	\bigcirc	\bigcirc

106. Are there any other radiation therapist specific workflow changes related to COVID-19 that you would like to mention?

Medical Physics
107. Did you still perform in-vivo dosimetry measurements during COVID-19 restrictions?
 No 108. Did aspects of your normal plan checking workflow change?
Choose all that apply
Isolating plan checking team members from other staff All plan check staff working from home
Some plan check staff working from home
Changes to work hours
Other
109. Did aspects of your LINAC QA workflow change? Choose all that apply
Isolating LINAC team members from other staff
Staff split into sub-teams
Changes to work hours
Other

110. Are you enrolled in TEAP?

\bigcirc	Vac
\bigcirc	Yes

O No

 $\bigcirc\$ I was a trainee at the start of the pandemic and have since gained certification

111. Has COVID-19 delayed your expected date of completion for TEAP?

YesNoOther

112. How has COVID-19 impacted the quality of your training experience with regards to:

	Greatly improved	Slightly improved	No change	Slightly worsened	Greatly worsened
TEAP Tutorials with preceptor	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Regular meetings with supervisor	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Protected time	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Informal teaching from colleagues	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Procedural skills	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

113. How has COVID-19 impacted the quality of your training experience overall?

- Greatly improved it
- O Slightly improved it



- Slightly worsened it
- Greatly worsened it

- 114. If your department ordinarily offers projects for Masters' students, were these projects changes/discontinued due to the pandemic?
 - YesNoN/A
- 115. Are there any other medical physics specific workflow changes related to COVID-19 that you would like to mention?

Administration Staff

116. Have you had patients miss appointments due to COVID-19 related reasons (e.g. awaiting test results, a positive diagnosis, family quarantine reasons)

\bigcirc	Yes
\bigcirc	No

- 117. How much time per week do you estimate you spent on rescheduling as a result of COVID-19?
 - No time
 30 mins
 1-2 hours
 3-5 hours
 >5 hours
 Other
- 118. How much time per week do you estimate you spent on increased typing services as a result of COVID-19?
 - O No time
 - 1-5 hours
 - 5-10 hours
 - () 10-20 hours
 - 20+ hours

119. How many calls per day did you receive from patients troubleshooting appointments due to changes from COVID-19?

\bigcirc	No calls
\bigcirc	1-5 calls
\bigcirc	5-10 calls
\bigcirc	10-20 calls
\bigcirc	20+ calls

120. How much time do you estimate you spent on troubleshooting IT assets?

- No time
 1-5 hours
 5-10 hours
 10-20 hours
 20+ hours
- 121. Are there any other administration officer specific workflow changes related to COVID-19 that you would like to mention?

COVID Specific Education and Interventions

Questions about education required specifically with issues that arose as a result of COVID-19. Maximum 4 questions.

122. Did you have to upskill in any areas due to COVID-19? (e.g. infection control practices, telehealth practices, donning/doffing PPE)

O Yes

O No

123. What areas did you upskill in?

Appropriate donning and doffing of PPE
Infection control practices
Telehealth practices
COVID screening protocols
New software packages and programs
Virtual meeting options
New protocols and procedures

124. How much time was required for these up-skilling activities?

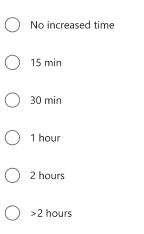


) 15-30 min/day



>60 min/day

125. How much time did you spent on cleaning, sanitation and PPE demands in a day?



Global Perception

Overall perception of procedures, communication and changes to workflow as a result of the COVID-19 pandemic. Maximum 8 questions.

126. Have COVID-related procedures changed as a result of feedback? *

\bigcirc	Yes
\bigcirc	No
\bigcirc	Don't know

127. If yes, how often are these changes occurring? *

\bigcirc	Daily
\bigcirc	Weekly
\bigcirc	Monthly
\bigcirc	Three monthly
\bigcirc	Never
\bigcirc	I don't know

128. How was feedback sought about COVID-related changes? * Choose all that apply

Team meetings
In person feedback
Survey
Structured individual feedback
Email
Phone
Feedback not sought
Other

129. How were COVID-related changes communicated to you? *

Choose all that apply

Team meetings
In person feedback
Survey
Structured individual feedback
Email
Phone
No communication
Other

130. Was this communication effective? *

\bigcirc	Yes	
\bigcirc	No	

\bigcirc	I don't know
\bigcirc	i don c know

131. Which of the following changed the most as a result of the COVID-19 workflow interventions? * Choose all that apply

Telehealth consultations
Decreased interprofessional communication
Alternative methods of interprofessional communication
Increased sanitation measures
Decreased business-as-usual activities (e.g. education, QA activities, PDL)
Changed format of business-as-usual activities (e.g. virtual meetings)
Working from home
Other

132. What changes would you support to continue in your department? *

Choose all that apply

Telehealth consultations
Alternative methods of interprofessional communication
Increased sanitation measures
Changed format of business-as-usual activities (e.g. virtual meetings)
Working from home
Other

133. Any other comments?

This content is neither created nor endorsed by Microsoft. The data you submit will be sent to the form owner.

📑 Microsoft Forms