



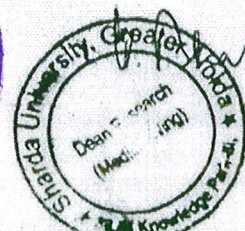
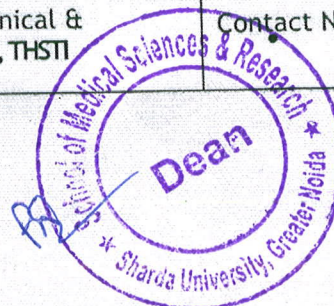
EVENT COMPLETION REPORT

Please prepare the report signed by the program Secretariat/Program coordinator within 10 days of event completion for record. Reports should be 2-4 pages.

SECTION A: Event Detail

Event title:	Workshop on Research Methodology		
Starting date of event:	2 nd November , 2020	Duration of Event (in days)	5 day
Name of the event organizing School	School of Medical Sciences & Research		
Name of the event organizing Department	Dean Office, SMS&R		
Sponsor of the Event (Sharda University in case of internal sponsorship)	Sharda University		
Committee Members:	Convener/Coordinator	Dr. Manisha Jindal	
	Co convener	Dr. Veereshwar Bhatnagar	
	Secretary	-	
Chief Guest/ Guest of Honor with affiliation (If any)		Email: NA	Contact No: NA
Name of Speaker/s with affiliation (If any)	Prof. (Dr.)Shinjini Bhatnagar- Dean - Clinical Research, THSTI	Email: • shinjini.bhatnagar@thsti.res.in	
	Dr. Nitya Wadhwa - Assistant Professor, THSTI	• nitya.wadhwa@thsti.res.in	
	Dr. Ramachandran Thiruvengadam- Scientist D, Maternal & Child Health Program, THSTI	• ramachandran@thsti.res.in	
	Dr. Babu Koundinya Desiraju - Welcome Trust Trust-DBT India Alliance Early Career Fellow - Clinical & Public Health, THSTI	• babukoundinyadesiraju@thsti.res.in	
		Contact No:	

SECTION B: Event report and reflection



1.

Event objectives :

- Teaching and understanding of Research Methodology
- To improve the knowledge and interpretation aspect about Research.

2.

Event description:

Five days workshop on Research Methodology was conducted for the faculty and MD/MS students of SMS&R. The workshop was conducted online . On the fifth day of the event , an Interactive session was conducted with the eminent speakers of THSTI.

3. Participants (compulsory for events):

Date	Total Participants	Number of Male	Number of Female
2 nd Nov	74	34	40
3 rd Nov	33	11	22
4 th Nov	51	13	38
5 th Nov	22	9	13
6 th Nov	31	12	19

4.

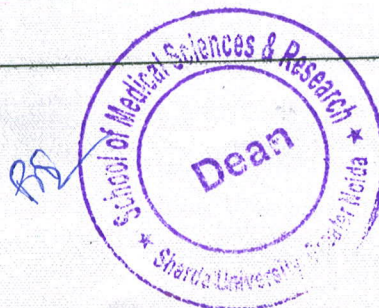
Budget distribution from University/any other agency:

5. Appendices

Please attach the following details in the report (DON'T SEND ANY OTHER ATTACHMENTS)

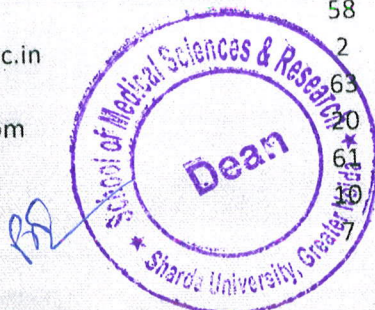
Note that the participant contact list is a mandatory requirement .

✓	Appendices
1	Participant contact list:
2	Participants feedback on the organized program.
3	• <i>Event Agenda</i> : The agenda was to improve the knowledge and interpretation aspect about research and to Impart knowledge about various processes involved in planning and carrying out Research
4	Photographs of the events : No, the event was conducted online
5	Web sites link (If created) : NA
6	Other information (If Any) :

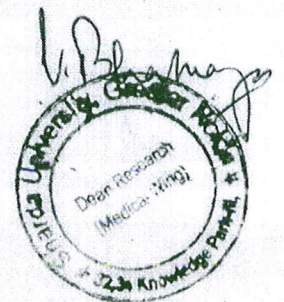
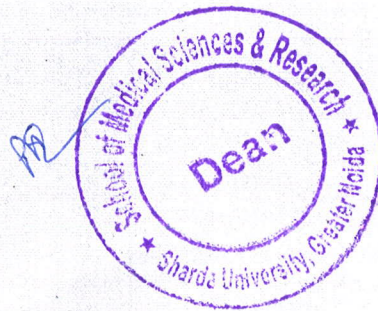


Participation List

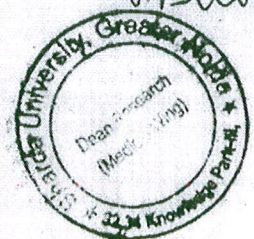
Meeting ID	Topic	Start Time
97503257881	My Meeting	11/2/2020 11:58
Name (Original Name)	User Email	Total Duration (Minutes)
dr apurva macwan (iPhone)		101
Dr Divya Singh	mail2drdivya@gmail.com	79
Dr.Nikita		69
mayank goyal	mayankreddevil@gmail.com	61
Dr Himani's iPhone		72
Dr. Ankita Makhija	ankita.makhija@sharda.ac.in	15
bijit b medhi	zeet.b.medhi@gmail.com	66
Suresh Kalyanasundar	suresh.kalyanasundar@sharda.ac.in	4
Aparna Gupta	aparnagupta.7d@gmail.com	31
Department of Surgical sciences S ^u S&R	vikram.singh@sharda.ac.in	29
Fahad Tauheed (SMSR Assistant Professor)	fahad.tauheed@sharda.ac.in	80
Gurleen Gill	gillgurleen24@gmail.com	46
rajveer singla	cool.rajveersingla@gmail.com	42
Dr Tuhina Shree ambreenchauhan		65
Shiva nishant		64
Dhavel		45
DR jagdish mutreja	jagdishmutreja81@gmail.com	60
Dr Amit Thukran	amit.1@sharda.ac.in	24
Vishwani Khanna	vishwani.khanna@gmail.com	58
tripti singh	triptisingh750@yahoo.com	2
Dr Abha Gahlot		30
dr sanjay kr pal		42
Dr. Rachit		10
Dr P D Gupta		10
Ashok Gupta		17
Dr Shashi Kumar Chaurasiya	shashi.chaurasiya@sharda.ac.in	30
Dr Satish Kumar		74
Dr. Prateek	prateek_bommu@yahoo.in	70
Shubhika Aggarwal	shubsaggarwal@gmail.com	56
Dr Aditi Bhatnagar (Assistant Professor SUSMR)		55
Abrar Ahmed	abrarahmed1995@gmail.com	31
Arpit's iPhone		5
Manisha Jindal	manisha.jindal@sharda.ac.in	73
Vijaya Lakshmi	vijaya.lakshmi@sharda.ac.in	69
Dr Praveen Raman Mishra		44
Akash Bharti		11
Ahtesham Ansari (SUSMR Executiv ahtesham.ansari@sharda.ac.in		58
Dr soni gupta		2
Saurabh Pandey	docsaurabh1901@gmail.com	63
Dr.Samta Gupta		61
tehender		10
Vani		61



samta		29
Kritika Bansal		43
Dr Vinay Gupta		25
Shashi Ranjan	sranjan8792@gmail.com	31
Dr Khushboo Juneja		79
Dr. Shivangini Sahay		78
Dr Febin	drfebinsalu@gmail.com	23
Dr. Tejasvini	tejasvini2308@gmail.com	56
Ishita Sehgal	ishita.sehgal@sharda.ac.in	53
Dr. Siddharth		17
M		13
apoorva shetty	appz.shetty@gmail.com	6
Nandisha Gupta	mailme.nandisha@gmail.com	24
Dr chaitanya PGJR1 psychiatry		21
11145		80
Archana Mehta		80
Dr Swati Srivastava		5
Abhilash Kumar (SMSR JR 1)	abhilash.kumar@sharda.ac.in	2
Kapil Upadhyay	kapil9944@gmail.com	3
Prof Ravi Kale		80
AMIT KUMAR MISHRA	itsdeepti.s@gmail.com	60
Vaishali Hooda		6
sanghamitra sarma	manya20114@gmail.com	2
Dr Aditi Bhatnagar (Assistant		
Professor SUSMR)	aditi.bhatnagar@sharda.ac.in	1
Jigyasa Arora		30
Dr. Avaneet shakya		20
3624685		80
Vikram Singh		78
Dr. Mahak Lamba		65
Dr. Pranav Kishore		63
Ravindra K. Y		35



Duration (Minutes)	Participants	Start Time
153	46	11/3/2020 11:43
Meeting ID 97503257881	Topic My Meeting	
Name (Original Name)	User Email	Total Duration (Minutes)
Dr.Samta Gupta		134
Dr Sanjeev Bhagat		106
Dr K Suresh (Department of Surgical sciences SMS&R)	vikram.singh@sharda.ac.in	134
Dr Shashi Kumar Chaurasiya	shashi.chaurasiya@sharda.ac.in	55
Dr Himani's Iphone		57
Tuhina Shree (SMSR Senior Tutor)	tuhina.shree1@sharda.ac.in	130
Dr. Ankita Makhija	ankita.makhija@sharda.ac.in	24
pooja		22
niharika (iPhone)		120
Ranjit Ghuliani	rghuliani@gmail.com	126
ambreenchauhan		127
Dr.	deanoffice.smsr@sharda.ac.in	153
Galaxy J7 (2016)		1
dr sanjay kr pal		116
Mahak Lamba	mahak.lamba@sharda.ac.in	57
Dr.Shalini Srivastava	shalini.srivastava@sharda.ac.in	2
Dr P D Gupta		45
Dr.Nikita		114
Dr Sangeeta Dewan		52
Dr. Ashok Gupta		77
Dr Rakesh Kumar		152
Dr Vikram Singh		104
117875		109
AMIT KUMAR MISHRA (Deepti Sharma)		137
Manisha Jindal	manisha.jindal@sharda.ac.in	5
Dr. Shivangini Sahay		100
Satish Kumar	satish.kumar4@sharda.ac.in	54
Apoorva Gupta	ag731996@gmail.com	70
Archana Mehta		135
Prof Ravi Kale		134
Dr Aditi Bhatnagar (Assistant Professor SUSMR)		126
Vivek kumar Pathak	vivek.pathak@sharda.ac.in	57
Fahad Tauheed (SMSR Assistant Professor)	fahad.tauheed@sharda.ac.in	128

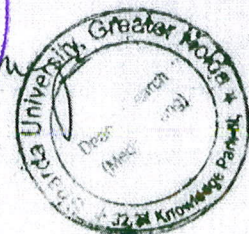


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97503257881

Topic
My Meeting

Start Time
11/4/2020 11:43

Name (Original Name)	User Email	Total Duration (Minutes)
Dr Himani's Iphone		36
Vivek kumar Pathak	vivek.pathak@sharda.ac.in	19
Dr Neha Jain	neha.njn@gmail.com	2
Dr. Rachit		46
sanghamitra sarma	manya20114@gmail.com	13
nupur aggarwal		2
Department of Surgical sciences SMS&R	vikram.singh@sharda.ac.in	16
MRIDULA KASHYAP (JR1 SMSR)	mridula.kashyap@sharda.ac.in	17
Aakanksha Bhatia		3
Arpit's iPhone		45
Dr Niharika Aggarwal	drniharikaagg95@gmail.com	44
Ranjit Ghuliani	rghuliani@gmail.com	16
Tuhina Shree (SMSR Senior Tutor)	tuhina.shree1@sharda.ac.in	41
Dr.	deanoffice.smsr@sharda.ac.in	133
Dr shiva Nishant	drnish31@gmail.com	2
Dr.Samta Gupta		38
Dr chaitanya PGJR1 psychiatry		33
Rishima Nahata	icycoolrshima@yahoo.com	2
Dr rahul verma		29
Akash Bharti	akashbharti90@gmail.com	46
nupur aggarwal	nupuraggarwal93@gmail.com	1
Archana Mehta		38
Subah Sahni		3
Fahad Tauheed (SMSR Assistant Professor)	fahad.tauheed@sharda.ac.in	27
samta		35
Satish Kumar	satish.kumar4@sharda.ac.in	41
Dhavel Srivastav	sdhavel.ds@gmail.com	38
Vikram Jeet Singh bhadoria	vikramwork12@gmail.com	2
dr niharika (iPhone)		12
vivo 1906		25
Dr.Nikita		32
Dr. Ashok Gupta		24
Aparna Gupta	aparnagupta.7d@gmail.com	1
Dr P D Gupta		13
Dr Shalley Singh		27
Haider Rizvi	shrivzi23@gmail.com	23
Dr. Avaneet shakya		17
Mahak Lamba	mahak.lamba@sharda.ac.in	1
dr sanjay kr pal		13
Dr Vikram Singh		11
AMIT KUMAR MISHRA	itsdeepti.s@gmail.com	58
117875		57
Shiva nishant		1
Amrit Singh	ammy.brat2013@gmail.com	38
Dr Kriti Sharma		28
Sharad Bagri		3
Dr. Shivangini Sahay		36
ambrenchauhan		52
Dr Sanjeev Bhagat		43
Dr Aditi Bhatnagar (Assistant Professor SUSMR)		19
Prof Ravi Kale		47



Meeting ID

Topic

Start Time

97503257881

My Meeting

11/5/2020 11:45

Name (Original Name)

User Email

Total Duration (Min)

Satish Kumar

satish.kumar4@sharda.ac.in

42

Dr. Ashok Gupta

42

Dr Himani's Iphone

41

Dr Niharika Aggarwal

drniharikaagg95@gmail.com

41

Dr Sangeeta Dewan

36

Arpit's iPhone

39

Dr.

deanoffice.smsr@sharda.ac.in

59

ambreenchauhan

50

Dr. Shivangini Sahay

38

Purshotam Gupta

8

117875

38

Tuhina Shree (SMSR Senior Tutor)

tuhina.shree1@sharda.ac.in

37

Dr Sanjeev Bhagat

25

Dr.Nikita

23

Mahak Lamba

mahak.lamba@sharda.ac.in

29

Ashutosh Niranjana

dr.aniranjana@gmail.com

57

Ranjit Ghuliani

rghuliani@gmail.com

46

DrK Suresh (Department of Surgical

50

sciences SMS&R)

vikram.singh@sharda.ac.in

45

Purshotam Dass Gupta

purshotam.gupta@sharda.ac.in

47

Dr.Samta Gupta

samta.gupta@sharda.ac.in

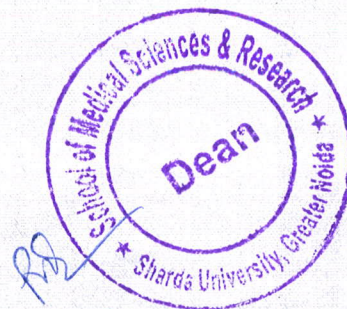
45

Archana Mehta

31

Prof Ravi Kale

V. Sharma



End Time

User Email Duration (I Participants

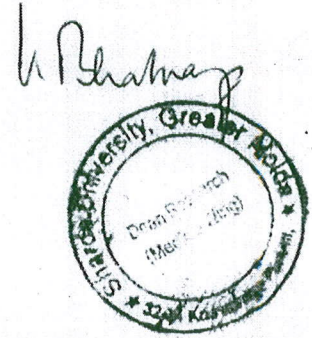
deanoffice
.smsr@sh

57

24

11/5/2020 12:41 arda.ac.in

minutes)

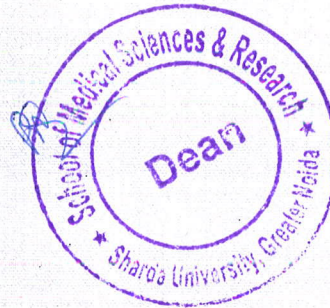


Meeting ID
97503257881

Topic
My Meeting

Start Time
11/6/2020 11:57

Name (Original Name)	User Email	Total Duration (Minutes)
Ranjit Ghuliani	rghuliani@gmail.com	128
Dr. Dr Rakesh Kumar Associate professor ortho	deanoffice.smsr@sharda.ac.in	349
Ram_THSTI (Shinjini Bhatnagar)	shinjini.bhatnagar@thsti.res.in	84
nityawadhwa		128
Dr Himani's IPhone		126
Dr.Samta Gupta	samta.gupta@sharda.ac.in	38
Mahak Lamba	mahak.lamba@sharda.ac.in	128
Satish Kumar	satish.kumar4@sharda.ac.in	124
Tuhina Shree (SMSR Senior Tutor)		124
117875		55
Archana Mehta		126
kit		126
Dr Vikram Singh		63
Dr Niharika Aggarwal	drniharikaagg95@gmail.com	22
Ankit Pilare	ankit3sunny@gmail.com	65
Dr.Nikita		66
Prof Ravi Kale		125
Dr Sangeeta Dewan		79
Tuhina Shree		108
Purshotam Dass Gupta	purshotam.gupta@sharda.ac.in	42
dr sanjay kr pal		115
Vivek kumar Pathak	vivek.pathak@sharda.ac.in	65
Koundinya Desiraju	bapukoundinyadesiraju@thsti.res.in	46
Ashutosh Niranjn	dr.aniranjn@gmail.com	128
shinjinihatnagar		128
Dr. Shivangini Sahay		115
ambreenchauhan		128
r. Ashok Gupta		72
Department of Surgical sciences SMS&R	vikram.singh@sharda.ac.in	128
Dr Sanjeev Bhagat		22
		120
		8





Santosh Singh (SUSMR Executive Assistant) <santoshkumar.singh2@sharda.ac.in>

School of Medical Sciences & Research is organizing 05 days workshop on "Research Methodology" | 2nd – 6th November 2020

1 message

What's Happening <whatshappening@sharda.ac.in>
To: Faculty SMSR <faculty.smsr@sharda.ac.in>

Sat, Oct 31, 2020 at 5:49 PM

Dear All,

School of Medical Sciences & Research is organizing five days workshop on "Research Methodology", from 2nd – 6th November 2020 in collaboration with Translational Health Sciences & Technology Institute, Faridabad (Autonomous Institute of Department of Biotechnology, Ministry of Science & Technology, Govt of India)

Objective:

- Teaching and understanding of Research Methodology
- To improve the knowledge and interpretation aspect about research.
- To Impart knowledge about various processes involved in planning and carrying out Research

Convener:

- Dr. Manisha Jindal, Dean, SMS&R, Sharda University

Co-convener:

- Dr. Pooja Rastogi, Associate Dean, SMS&R, Sharda University

Faculty of Translational Health Science and Technology Institute (THSTI), Faridabad, Haryana.

1. Prof. Shinjini Bhatnagar Dean - Clinical Research, THSTI & Head - Maternal & Child Health Program
2. Dr. Nitya Wadhwa Assistant Professor, THSTI & Faculty I/C, Clinical Development Services Agency
3. Dr. Ramachandran Thiruvengadam Scientist - D, Maternal & Child Health Program, THSTI
4. Dr. Babu Koundinya Desiraju Wellcome Trust-DBT India Alliance Early Career Fellow - Clinical & Public Health, THSTI

The workshop is mandatory for all the PG students and the interested faculty members.

Join Zoom Meeting: <https://zoom.us/j/96219202088?pwd=Q0xTOHc3KzF0TkJuaWtxd0RPU1pFUT09>

Meeting ID: 962 1920 2088

Passcode: 117875

For more details Click here

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Thanks,

Whats Happening
Sharda University

www.shardaevents.com | www.sgei.org | www.sharda.ac.in | Facebook | LinkedIn | Twitter | Instagram



Format of What's Happening

1	Name of the event	Workshop on Research Methodology
2	Date and Time of the event	2nd November - 6th November , 2020 - 10.am - 12.00 pm
3	Location of the Event	Online Platform
4	Sponsor of the Event (Partner)	NA
5	Objectives of the Event	<ul style="list-style-type: none"> * Teaching and understanding of Research Methodology * To improve the knowledge and interpretation aspect about research. * To Impart knowledge about various processes involved in planning and carrying out Research
6	Participants (Speakers/ Panelists/ etc.) in the Event	Prof. Shinjini Bhatnagar, Dean – Clinical Research, THSTI & Head – Maternal & Child Health Program
7		Dr. Nitya Wadhwa, Assistant Professor, THSTI & Faculty I/C, Clinical Development Services Agency
8		Dr. Ramachandran Thiruvengadam, Scientist – D, Maternal & Child Health Program, THSTI
9		Dr. Babu Koundinya Desiraju, Wellcome Trust-DBT India Alliance Early Career Fellow – Clinical & Public Health, THSTI
11	Organizers of the Event (Department/ School/ ...)	Dean Office , School of Medical Sciences & Research
12	Target Beneficiaries of the Event	All faculty and MD/MS students
13	Budget of the Event (if any)- if yes, approval of the competent Authority	NA
14	If the organizer has organized other event in past, the date of Submission of Post Event Report	Yes, International Infection Prevention Week was organized from 14th – 20th October 2020. The Post Event Report was submitted on 23rd October , 2020

Signature of HOD

[Handwritten Signature]
 School of Medical Sciences & Research
 26/10
 Dean

[Handwritten Signature]
 School of Medical Sciences & Research
 Dean
 26/10
 University, Greater Noida

OFFICE OF THE DEAN
School of Medical Sciences & Research
SHARDA UNIVERSITY
Plot No. 32, 34 Knowledge Park – III, Greater Noida

SMS&R/Dean/Cir/2020/135

Date: 26.10.2020

OFFICE ORDER

School of Medical Sciences & Research is organizing five days workshop on "Research Methodology", from 2nd – 6th November, 2020 in collaboration with Translational Health Sciences & Technology Institute, Faridabad (Autonomous Institute of department of Biotechnology, Ministry of Science & Technology, Govt of India).

The program is divided into 4 sessions in which video with slides and voice over will be shared with the participants. The session will be followed by assessment which will comprise of some objective type and others descriptive type given in Google forms. The assignments will have to be submitted by the end of the day.

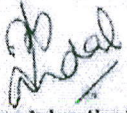
On the last day of the workshop i.e on 6th November, 2020, live interaction will be conducted with the participants from 11.30 am – 1.30 pm with the following faculty of Translational Health Science and Technology Institute (THSTI), Faridabad, Haryana.

- | | |
|-----------------------------------|--|
| 1. Prof. Shinjini Bhatnagar | Dean - Clinical Research, THSTI &
Head - Maternal & Child Health Program |
| 2. Dr. Nitya Wadhwa | Assistant Professor, THSTI &
Faculty I/C, Clinical Development Services Agency |
| 3. Dr. Ramachandran Thiruvengadam | Scientist - D, Maternal & Child Health Program, THSTI |
| 4. Dr. Babu Koundinya Desiraju | Wellcome Trust-DBT India Alliance Early Career Fellow
- Clinical & Public Health, THSTI |

The workshop is mandatory for all the PG students and the interested faculty members can register themselves for the workshop. The videos will be shared only with the registered PG students and the faculty members.

The last date for registration is 29th October, 2020 and the link is as follows :

https://docs.google.com/forms/d/e/1FAIpQLSepcoHyaWQ3wv_s-upgor6mWNNQI3oUGtMe0SQtDO-Wy8W68mg/viewform?usp=sf_link


Dr. Manisha Jindal
Dean, SMS&R

Copy to:

- Chancellor, Pro-Chancellor, Vice-Chancellor, , Pro VC (Medical Wing) , Registrar Sharda University: for your kind information plz
- MS office, Sharda Hospital: For information plz.
- Dr Veereshwar Bhatnagar: For information plz
- HODs Pre, Para & Clinical Departments, SMS&R, for your kind information.
- MD/MS students: 2018 – 2020



Zoom Meeting

Why do we need a hypothesis?

A hypothesis is a prediction we create prior to running an experiment.

The common format is: If [cause], then [effect], because [rationale]

The purpose is to find the answer to a question

Helps us to focus on what results should we look for in an experiment

Shows relationship between two variables:

Independent variable or cause (exposure) & other is dependent variable or effect (outcome)

Participants (27)

Q Find a participant

- T Tuhina Shree (SMSR Senior Tut... (Me)
- D Dr. (Host)
- DO Department of Surgical sciences...
- I 117875
- I 12345
- A ambreenchauhan
- AK AMIT KUMAR MISHRA
- Apoorva Gupta
- AM Archana Mehta
- DA Dr Aditi Bhatnagar (Assistant Pr...
- DN dr niharika
- DP Dr P Dgupta
- DR Dr Rakesh Kumar

12:31 PM 11/3/2020

Type here to search

Zoom Meeting

2 x 2 Tables in Epidemiology

Used to summarize frequencies of disease & exposure & used for calculation of association

Disease/Outcome	Exposure		Total
	Yes	No	
Yes	a	b	total # with disease
No	c	d	total # with no disease
Total	total # exposed	total # unexposed	Total Population

Participants (27)

Q Find a participant

- T Tuhina Shree (SMSR Senior Tut... (Me)
- D Dr. (Host)
- DO Department of Surgical sciences...
- I 117875
- I 12345
- A ambreenchauhan
- AK AMIT KUMAR MISHRA
- Apoorva Gupta
- AM Archana Mehta
- DA Dr Aditi Bhatnagar (Assistant Pr...
- DN dr niharika
- DP Dr P Dgupta
- DR Dr Rakesh Kumar

12:35 PM 11/3/2020

Type here to search



Zoom Meeting

Tuhina Shree... Dr K Suresh Dr. Dr.Nikita

Case-control studies: limitations

- **Difficulty in choosing cases and controls (bias)**
– Matching possible but introduces its own problem
- **Difficulty in determining exposure (bias)**
- **Difficult if exposure is uncommon, particularly in cases**
- **Cannot determine exact relative risk (use odds ratio)**
- **Cannot study more than one outcome**
- **Cannot be sure if exposure preceded outcome**

Participants (23)

Find a participant

- Tuhina Shree (SMSR Senior Tut... (Me)
- Dr. (Host)
- Dr K Suresh
- 117875
- 12345
- ambreenchauhan
- AMIT KUMAR MISHRA
- Archana Mehta
- Dr Aditi Bhatnagar (Assistant Pr...
- dr niharika
- Dr Rakesh Kumar
- dr sanjay kr pal
- Dr Sanjeev Bhaqat

1:23 PM 11/3/2020

Zoom Meeting

Tuhina Shree... Dr K Suresh Dr. Dr.Nikita

Case-control studies: limitations

- **Difficulty in choosing cases and controls (bias)**
– Matching possible but introduces its own problem
- **Difficulty in determining exposure (bias)**
- **Difficult if exposure is uncommon, particularly in cases**
- **Cannot determine exact relative risk (use odds ratio)**
- **Cannot study more than one outcome**
- **Cannot be sure if exposure preceded outcome**

Participants (23)

Find a participant

- Tuhina Shree (SMSR Senior Tut... (Me)
- Dr. (Host)
- Dr K Suresh
- 117875
- 12345
- ambreenchauhan
- AMIT KUMAR MISHRA
- Archana Mehta
- Dr Aditi Bhatnagar (Assistant Pr...
- dr niharika
- Dr Rakesh Kumar
- dr sanjay kr pal
- Dr Sanjeev Bhaqat

1:25 PM 11/3/2020



Zoom Meeting

Tuhina Shree... Dr. Dr.Nikita Dr. Sanjeev Bha...

Can examine multiple effects of a single exposure

Post menopausal HT ??

No HT ??

Examine only those outcomes for which there is a clear hypothesis
Findings of all should be reported; not just the significant ones

Participants (20)

Find a participant

- Tuhina Shree (SMSR Senior Tut... (Me)
- Dr. (Host)
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- 12345
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As exposure can cause different outcomes are possible which is not possible in case control study as study starts with outcome.

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Prospective cohort study

You start the study here when exposure status is known and nobody has the disease

You follow them forwards in time for a defined length of time and measure disease outcome

Source population

Exposed to the risk factor

Unexposed to the risk factor

A proportion of the exposed develop disease

A proportion of the Unexposed develop disease

Incidence among exposed

Incidence among Unexposed

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Designing a randomized controlled trial

- vii. Minimization of bias
- viii. Baseline assessment: potential confounders and effect modifiers
- ix. Data collection & management
- x. Quality assurance & quality control
- xi. Reporting of adverse events
- xii. Clinical & safety monitoring
- xiii. Statistical plan of analysis

Unmute | Start Video | Participants (24) | Chat | Share Screen | Record | Leave

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Research Question

A Randomized Trial of Hydroxychloroquine as Postexposure Prophylaxis for Covid-19

D.R. Boulware, M.F. Puffer, A.S. Bangdiwala, K.A. Pastick, S.M. Lojgren, E.C. Okafor, C.P. Skipper, A.A. Naacene, M.R. Nicol, M. Abassi, N.W. Ergen, M.P. Cheng, D. LaBar, S.A. Lothar, L.J. MacKenzie, G. Orabot, N. Murten, R. Zarychanski, L.E. Kelly, J.S. Schwartz, E.G. McDonald, B. Rajasingham, T.C. Lee, and K.H. Hulstak

This article was published on June 3, 2020, at NEJM.org.
DOI: 10.1056/NEJMoa2018638

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Type 1 and Type 2 errors

Test	Disease		Total
	Yes	No	
Yes	a	b	total # test positive
No	c	d	total # test negative
Total	total # diseased	total normal	Total Population

Participants (22)

Q Find a participant

- T Tuhina Shree (SMSR Senior Tut... (Me)
- D Dr. (Host)
- 117875
- A ambreenchauhan
- AM Archana Mehta
- AI Arpit's iPhone
- Ashutosh Nirarjan
- DH Dr Himani's Iphone
- D Dr Niharika Aggarwal
- DS Dr Sangeeta Dewan
- DS Dr Sanjeev Bhagat
- DA Dr. Ashok Gupta
- DS Dr. Shivangini Sahay

12:26 PM 11/5/2020

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Sample size calculation

$$N = \frac{4\sigma^2(Z_{crit} + Z_{pwr})^2}{D^2}$$

Estimating diff in mean

Estimating diff in frequency/proportions

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- DS Dr Sanjeev Bhagat
- DA Dr. Ashok Gupta
- DS Dr. Shivangini Sahay

12:27 PM 11/5/2020

