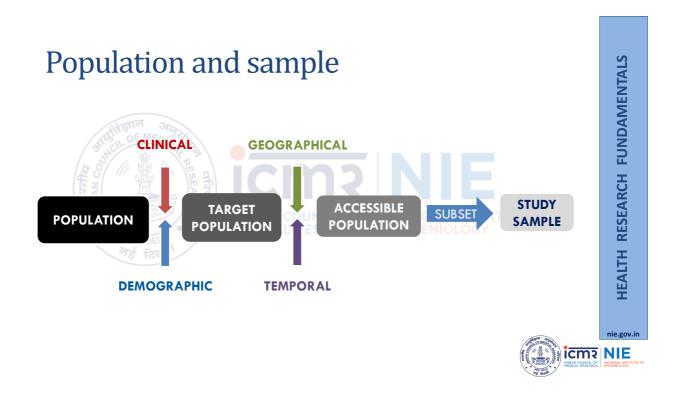
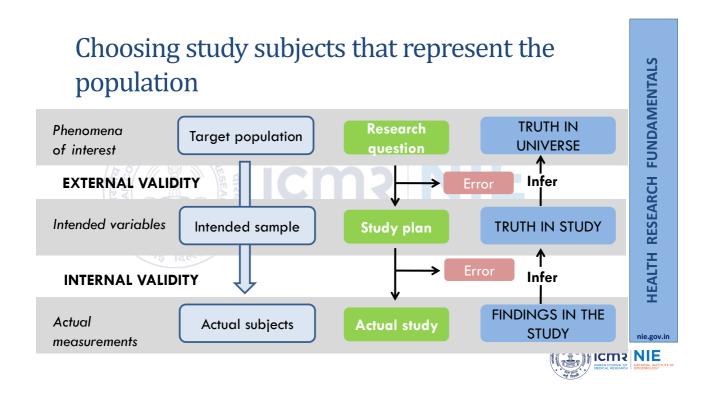
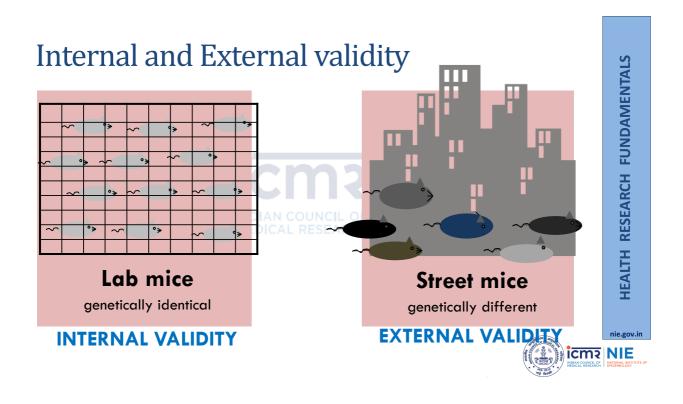
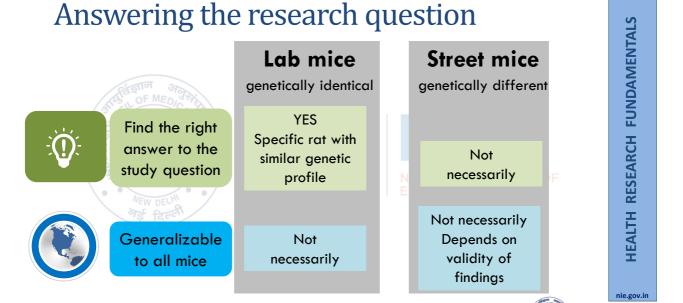


Study subject and population Connecting the link Representative INDIAN COUNCIL OF MEDICAL RESEARCH EPDEMIOLOGY Acceptable cost Adequate size

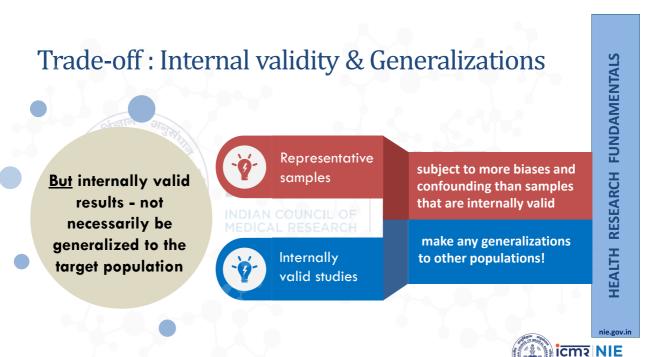


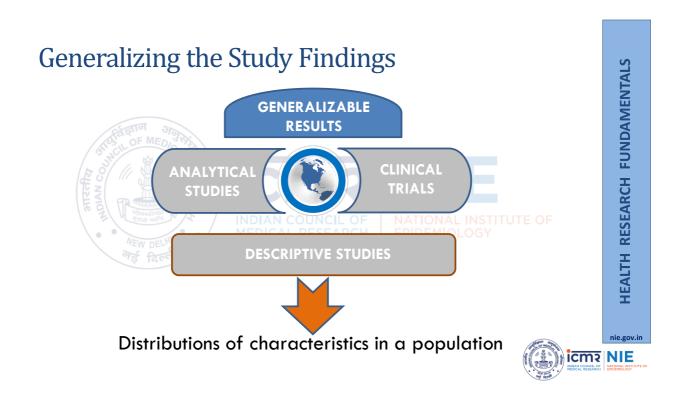


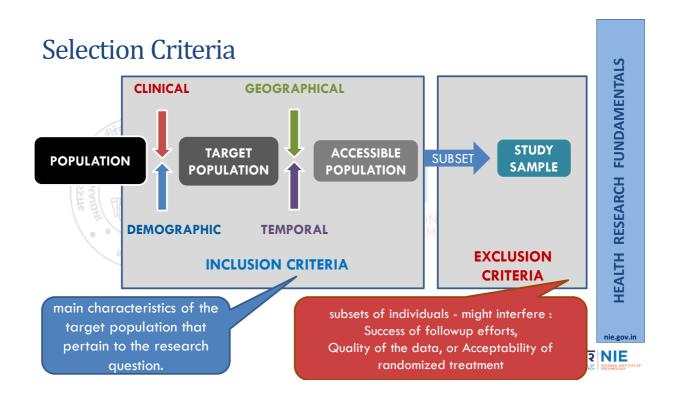




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Designing Selection Criteria (dysmenorrhea in females wi	or a Clinical Trial of Low Dose th poly cystic ovary	e Metformin to reduce
Inclusion criteria (Specifying populations	Demographic characteristics	Females in reproductive age group (15-44 years)
relevant to the research question and efficient for study)	Clinical characteristics	Females with Poly cystic ovary with dysmenorrhea
	Geographic characteristics	Patients attending OPD of the hospital in that region
	Temporal characteristics	Between Jan 1 – Dec 31 of specified year
Exclusion criteria (Subset of population will	Interfere with loss to follow- up	Chances of moving out of location or marriage
not be studied because of)	Interfere with quality of data	Patients already on metformin therapy for other cause
	Being at high risk of possible adverse effects	Hypersensitivity to metformin / Renal dysfunction

Clinical versus Community Populations



Research question involves patients

Source of study subject:
Hospitalized or clinic-based patients

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True population based samples

Difficult and expensive to recruit

But useful - public health and clinical

practice in the community



Recruitment

FEASIBILITY

Important factor to consider in choosing the accessible population and sampling approach

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GOALS OF RECRUITMENT



Subjects adequately representing the target population

Enough subjects to meet the sample size requirements



DESIGN PHASE

Choosing populations and sampling methods wisely



IMPLEMENTATION PHASE

- Guarding against errors in applying the entry criteria to prospective study participants
- Monitoring adherence to these criteria as the study progresses



Non responses in a study

Tips Issues Repeated contact attempts More in observational studies Design that avoids discomfort Influences the validity of to participants inferring that the sample represents the population □ Incentives Compromise the ■ Bilingual or generalizability of the study translated questionnaire/ interviewers icma NIE

HEALTH RESEARCH FUNDAMENTALS

7



TARGET POPULATION

of
inclusion
criteria

Establish the demographic and clinical characteristics of subjects



ACCESSIBLE POPULATION

Specific set of inclusion criteria

geographically and temporally convenient



SUBSET OF POPULATION

parsimonious set of exclusion criteria

Eliminate subjects who are unethical or inappropriate to study



SAMPLING

Sampling technique

Estimated Sample size



RECRUITMENT STRATEGY

large enough sample to meet study needs

minimizes bias due to nonresponse and loss to follow-up.



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