HEALTH RESEARCH METHODOLOGY BOOT CAMP WITH EPI INFO TRAINING

TIME	Day 1	Day 2	Day 3	Day 4	
09:00 - 09:30	Orientation & pre-test	Sampling methods Sample size calculations Randomization and blinding	T test: Independent and paired t-tests, confidence intervals	Correlation	LECTURE SESSIONS
09:30 - 10:00	Research strategies and designs			Transformation of data	
10:00 - 10:30		Non-parametric tests: χ^2 , χ^2 for trend, McNemar χ^2 , χ^2 with Yates correction, Fisher exact test	Analysis of variance	Logistic regression	
10:30 - 11:00	Variables, scales of measurement			Survival Analysis	
11:00 - 11:30	rror, variance) (incidence, prevalence	Epidemiological statistics (incidence, prevalence, odds ratio, relative risk, absolute risk	risk Cluster sample design and analysis	Creating graphs in Excel Random number generation	
11:30 - 12:00	Normal distribution and hypothesis (significance) testing, type I & II errors	reduction) Sensitivity, specificity, kappa (κ) statistic		Paired t test	
12:00 - 1:00	BREAK / STATISTICAL CONSULTING SESSIONS				
01:00 - 01:30		Data entry: Entering data	Data management: Read data, list, sort, select, set option. Frequencies, means, tables. Define new variables, recode data, IF statements, data calculations	Statistics II: t test, ANOVA, graphs, multiple linear regression, transforming data. Writing and using programs. Creating new data tables	PRACTICAL SESSIONS
01:30 - 02:00					
02:00 - 02:30	Creating data entry tools with Epi Info Form Design	StatCalc /Open Epi: 2x2 contingency tables Sample size calculations χ^2 for trend.			
02:30 - 03:00			Statistics I: Confidence intervals for proportions Stratified analysis Matched analysis	Statistics III: Logistic regression Survival analysis	
03:00 - 03:30	Validating data entry	Creating a relational database, merging records. Creating grid fields			
03:30 - 04:00				Post-test and evaluation	
04:00 - 04:30	STATISTICAL CONSULTING SESSIONS				