https://selldocx.com/products

Chapter (12estr-bankecontinue) trition-in-action-an-entrepreneurial-approach-7e-boyle

True / False

ANSWER:

1. Epidemiology is the basic science of public health.

a. Trueb. False

ANSWER: True

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES: CNIA.BOYL.17.2.1 - Define epidemiology.

KEYWORDS: Bloom's: Remember

2. Within the field of epidemiology, the term distribution refers to the relationship between the health problem or disease and the treatment options available.

a. Trueb. FalseFalse

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES: CNIA.BOYL.17.2.1 - Define epidemiology.

KEYWORDS: Bloom's: Understand

3. Factors such as race, age, sex, and a person's physiological state are all considered determinants of disease.

a. Trueb. False

ANSWER: True

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES: CNIA.BOYL.17.2.1 - Define epidemiology.

KEYWORDS: Bloom's: Remember

4. Vital statistics are figures pertaining to risk and development of disease and illness.

a. Trueb. False

ANSWER: False

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Remember

5. Crude birth and death rates are not useful for comparisons because population characteristics may differ greatly, particularly with respect to age.

a. Trueb. False

ANSWER: True

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Remember

6. Prenatal exposure to alcohol is one of the leading preventable causes of mental retardation in the United States.

a. Trueb. False

ANSWER: True

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Remember

7. Epidemiologic methodology can be used to determine whether syndromes are related to each other or represent distinct conditions.

a. Trueb. False

ANSWER: True

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Remember

8. A single individual with a confirmed diagnosis of a disease is classified as a case.

a. Trueb. False

ANSWER: True

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Remember

9. In a study on liver cancer, subjects with a high fat intake had a relative risk of 2.15, meaning they have double the risk of developing liver cancer than those with a low intake of fat.

a. Trueb. False

ANSWER: True

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Understand

10. The prevalence of a disease is the number of new cases of a disease during a specific time period in a defined population.

a. Trueb. False

ANSWER: False

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVES: CNIA.BOYL.17.2.3 - Explain prevalence rates and how they differ from incidence rates.

KEYWORDS: Bloom's: Remember

11. The rate of incidence of a disease is best measured using a cross-sectional study.

a. Trueb. False

ANSWER: False

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVES: CNIA.BOYL.17.2.3 - Explain prevalence rates and how they differ from incidence rates.

KEYWORDS: Bloom's: Remember

12. A cohort is a well-defined group of people who are studied over a period of time to determine their incidence of disease, injury, or death.

a. Trueb. False

ANSWER: True

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

: methods.

KEYWORDS: Bloom's: Remember

13. The first step of the scientific method is hypothesis development and prediction.

a. Trueb. False

ANSWER: False

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Remember

14. A scientific study in which participants self-selected involvement would likely show error due to selection bias.

a. Trueb. False

ANSWER: True

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

15. A confounding factor is a "hidden" factor or characteristic that may cause an association that the researchers attribute to other factors.

a. Trueb. False

ANSWER: True

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

16. An important principle of the scientific method is that most research generates new questions, not final answers.

a. True

b. False

ANSWER: True

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

17. Prospective cohort studies use existing longitudinal data to look back for a temporal relationship between exposure factors and outcome development.

a. True

b. False

ANSWER: False

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

18. An ecological study focuses on groups of people and examines the relationship between exposure and disease.

a. True

b. False

ANSWER: True

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

19. In an experimental study, investigators examine preventions and treatments for diseases by actively manipulating which groups receive the agent under study.

a. True

b. False

ANSWER: True

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

20. The investigation of the correlation between fish consumption and breast cancer incidence in humans is an example of a correlation study.

a. True

b. False

ANSWER: True

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

21. Cross-sectional studies examine the relationships among dietary intake, diseases, and other variables as they exist in a population at a particular time.

a. Trueb. False

ANSWER: True

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

22. A disadvantage of a case-control study is the need to study large numbers of subjects.

a. Trueb. False

ANSWER: False

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

23. A randomized clinical trial conducted as a double-blind experiment is the most rigorous evaluation of a dietary hypothesis.

a. Trueb. False

ANSWER: True

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

24. Case control studies are useful when rare diseases or diseases with long latency periods are being studied.

a. Trueb. False

ANSWER: True

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

25. One of the first applications of epidemiology to nutrition science was Lind's controlled trial investigating the curative effects of citrus fruits on sailors with scurvy.

a. Trueb. False

ANSWER: True

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

26. Nutritional epidemiology today is primarily concerned with the major chronic diseases of the Western world.

a. True

b. False

ANSWER: True

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

27. The complexity and variability of our diets makes it challenging to the study of the relationship of diet to disease.

a. True

b. False

ANSWER: True

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

28. Food balance sheets measure the food actually ingested by a population.

a. Trueb. False

ANSWER: False

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

29. Dietary recalls are considered the best method of assessing dietary intake for individuals.

a. True

b. False

ANSWER: False

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

30. Interpreting epidemiologic data involves evaluating the criterion for a causal association and assessing for the presence of bias and the contribution of chance.

a. True

b. False

ANSWER: True

REFERENCES:

LEARNING OB. S:	JECTIVE CNIA studi		- Describe the strengths and weaknesses of various types of epidemiologic
KEYWORDS:		m's: Understand	1
Multiple Choic	e		
31. The disciplin	ne of epidemiol	ogy has expande	ed from its origin as the study of epidemics to include .
a.	the health and	wellness of indi	ividuals
b.	medicine		
c.	laboratory scie	ence	
d.	health problem	ns of population	S
ANSWER:			d
REFERENCES:			The Practice of Epidemiology
LEARNING OB.	JECTIVES:		CNIA.BOYL.17.2.1 - Define epidemiology.
KEYWORDS:			Bloom's: Remember
32. In the contex	xt of epidemiolo	ogy, the term	refers to the causes and factors that affect the risk of disease.
	a.	distribution	
	b.	determinants	S
	c.	host factors	
	d.	incidence	
ANSWER:			b
REFERENCES:			The Practice of Epidemiology
LEARNING OB.	JECTIVES:		CNIA.BOYL.17.2.1 - Define epidemiology.
KEYWORDS:			Bloom's: Remember
33. In the 1990s birth defects by			hed that women could reduce their risk of bearing a child with neural tube
on in defects by	a.	vitamin B	
	b.	vitamin C	
	c.	folic acid	
	d.	ascorbic acid	1
ANSWER:			c
REFERENCES:			The Practice of Epidemiology
LEARNING OB.			CNIA.BOYL.17.2.1 - Define epidemiology.
KEYWORDS:			Bloom's: Remember
			we been used to develop methods for identifying women at high risk trum disorder (FASD).
	a.	surveillance	e
	b.	pervasive	
	c.	intervention	n
	d.	determinan	t
ANSWER:	a		

Epidemiology and the Community Nutritionist

REFERENCES:	The Prac	tice of Epidemiology		
LEARNING OBJECTIV		OYL.17.2.6 - List the advantages and disadvantages of various dietary assessment		
:	methods.	·		
KEYWORDS:	Bloom's	Bloom's: Remember		
35. Prenatal exposure to	o is one	of the leading preventable causes of mental retardation in the United States.		
	a.	nicotine		
	b.	alcohol		
	c.	cocaine		
	d.	marijuana		
ANSWER:	b			
REFERENCES:	The Prac	tice of Epidemiology		
LEARNING OBJECTIV :	ES CNIA.Bo methods.	OYL.17.2.6 - List the advantages and disadvantages of various dietary assessment		
KEYWORDS:	Bloom's	: Remember		
36. Which of the follow	ing is not co	onsidered a vital statistic?		
a.	cause-specif	ic death rate		
b.	fetal death ra	ate		
c.	infant morta	lity rate		
d.	drug-usage 1	rate		
ANSWER:	d			
REFERENCES:	The Prac	tice of Epidemiology		
LEARNING OBJECTIV :	ES CNIA.Bo methods.	OYL.17.2.6 - List the advantages and disadvantages of various dietary assessment		
KEYWORDS:	Bloom's	: Remember		
37. To an epidemiologis a(n)	st studying fa	actors that contribute to diabetes, an individual with a confirmed case of diabetes is		
· /	a.	incidence		
	b.	prevalence		
	c.	case		
	d.	risk factor		
ANSWER:	c			
REFERENCES:	Basic	Epidemiologic Concepts		
LEARNING OBJECTIV	ES: CNIA	.BOYL.17.2.3 - Explain prevalence rates and how they differ from incidence rates.		
KEYWORDS:		n's: Remember		
risk of the group drinking was 0.99. This means the	ng five caffeinat if a person	ed the relationship between caffeine and developing high blood pressure. The relative inated drinks a day in comparison to the group drinking no caffeinated drinks a day in drinks five caffeinated drinks a day, he or she of developing high blood pressure		
b. has a 99 perc	ent chance c	of NOT developing high blood pressure		
c. is not at incre	eased risk of	high blood pressure		
d. will almost c	ertainly deve	elop particularly severe high blood pressure		
ANSWER:	c			

REFERENCE	ES:	Basic Epidemiologic Concepts		
LEARNING O	OBJECTI	VES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment		
:		methods.		
KEYWORDS.	•	Bloom's: Apply		
39. Which ch	aracterist	ic is associated with the incidence rate of disease development?		
a. A	All cases in	n a single survey are counted.		
b. It	is measu	red in a single point in time.		
c. A	All individ	uals are examined including cases and non-cases.		
d. It	is measu	red most efficiently in a cohort study.		
ANSWER:		d		
REFERENCE	ES:	Basic Epidemiologic Concepts		
LEARNING O	OBJECTI	VES: CNIA.BOYL.17.2.3 - Explain prevalence rates and how they differ from incidence rates.		
KEYWORDS.	:	Bloom's: Understand		
40. Which ris	k factor f	for heart disease cannot be changed by lifestyle modifications?		
	a.	genetics		
	b.	obesity		
	c.	high blood pressure		
	d.	physical activity		
ANSWER:		a		
REFERENCE	ES:	Basic Epidemiologic Concepts		
LEARNING O	OBJECTI	VES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment methods.		
KEYWORDS:	•	Bloom's: Understand		
41. Which ste	ep of the s	scientific method occurs immediately after the identification of the problem?		
	a.	experimental design		
	b.	data collection		
	c.	hypothesis formulation		
	d.	theory development		
ANSWER:		c		
REFERENCE	ES:	Basic Epidemiologic Concepts		
LEARNING O	<i>OBJECTI</i>	VES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment methods.		
KEYWORDS.		Bloom's: Remember		
KETWORDS.	•	Bloom S. Remember		
	gest a cau	nalysis, the investigator may consider searching for statistical associations among various groups se-effect relationship, without having generated prior hypotheses about these groups. This is		
	 a.	selection bias		
	b.	data dredging		
	c.	measurement testing		
	d.	confounding bias		
ANSWER:		ь		

REFERENCES:	Basic Epidemiologic Concepts			
LEARNING OBJECTIVE S:	CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic studies.			
KEYWORDS:	Bloom's: Remember			
43 bias is the prese	ence of another variable that accounts for an observation.			
a.	Confounding			
b.	Measurement			
c.	Selection			
d.	Control			
ANSWER:	a			
REFERENCES:	Basic Epidemiologic Concepts			
LEARNING OBJECTIVE S:	CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic studies.			
KEYWORDS:	Bloom's: Remember			
was the Seven Countries S a. observin				
b. counting				
_	cases to the population at rise			
	comparisons			
ANSWER:	d			
REFERENCES:	Basic Epidemiologic Concepts			
LEARNING OBJECTIVES:	S CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment methods.			
KEYWORDS:	Bloom's: Remember			
45. bias may occur	r if study participants are not picked randomly from the population of interest.			
a.	Confounding			
b.	Measurement			
c.	Sample			
d.	Selection			
ANSWER:	d			
REFERENCES:	Basic Epidemiologic Concepts			
LEARNING OBJECTIVE	CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic			
S:	studies.			
KEYWORDS:	Bloom's: Remember			
	jects are assigned to intervention alternatives by a method that is not random. ervational			
b. cros	ss-sectional			
c. tren	nd			
d. non	nrandomized controlled			
ANSWER:	d			

<i>REFERENCE</i>	ES:	Types of Epidemiologic Studies	
LEARNING (S:	OBJECTIV	'E CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiolog studies.	ic
KEYWORDS	:	Bloom's: Understand	
47. In a(n)the population		exposure factors and outcomes are observed or measured at a single point in time in a sample froudied.	m
	a.	cross-sectional	
	b.	experimental	
	c.	randomized controlled	
	d.	cohort	
ANSWER:		a	
REFERENCE	ES:	Types of Epidemiologic Studies	
LEARNING (S:	OBJECTIV	VE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiolog studies.	ic
KEYWORDS.	:	Bloom's: Understand	
48. In a(n)	study,	groups of people are studied to examine the relationship between exposure and disease.	
` /		a. trend	
		b. ecological	
		c. cohort	
		d. case-control	
ANSWER:		b	
REFERENCE	ES:	Types of Epidemiologic Studies	
LEARNING (S:	OBJECTIV	VE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiolog studies.	ic
KEYWORDS	:	Bloom's: Understand	
49. In a(n) an overall est		systematic, quantitative methods are used to combine the results of all relevant studies to produce	3
	a.	. trend	
	b	. experimental	
	c.	non-biased	
	d	. meta-analysis	
ANSWER:		d	
REFERENCE	ES:	Types of Epidemiologic Studies	
LEARNING (S:	OBJECTIV	VE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiolog studies.	ic
KEYWORDS.	:	Bloom's: Understand	
50. An invest	igation of	the correlation between consumption of genetically modified corn and colon cancer incidence an	ıd
		ns is an example of a(n) study.	
	a.	. observational	
	b	. ecological	
	c.	. experimental	
	d	. meta-analysis	

Chapter 02 - Principles of Epidemiology ANSWER: REFERENCES: Types of Epidemiologic Studies LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic S: studies. KEYWORDS: Bloom's: Understand 51. A study that follows a group of individuals free of the disease or condition of interest into the future is an example of a(n) study. retrospective cohort h. prospective cohort retrospective cross-sectional c. prospective cross-sectional d. ANSWER: b REFERENCES: Types of Epidemiologic Studies LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic studies. KEYWORDS: Bloom's: Understand 52. The most appropriate use of a correlational study is to ... generate hypotheses b. draw conclusions change public policy d. validate previous studies ANSWER: REFERENCES: Types of Epidemiologic Studies LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic S: studies. KEYWORDS: Bloom's: Understand 53. The major objective of the *Nurse's Health Study I* was to . . a. investigate the development of cardiovascular disease b. prevent or delay the development of type 2 diabetes c. investigate diets and lifestyle risk factors for chronic disease in women d. evaluate men's health and fitness to incidence of serious illness ANSWER: REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Understand

- 54. Nutritional epidemiology .
 - is a fairly new area of study
 - focuses on the role of Western diet and chronic disease
 - always utilizes controlled, clinical trial protocols
 - currently focuses on deficiency diseases

Chapter 02 - Principles of Epidemiology ANSWER: REFERENCES: Nutritional Epidemiology LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have important implications for nutritional epidemiologic studies. CTIVES: KEYWORDS: Bloom's: Understand 55. A single 24-hour dietary recall . a. is considered the best method of assessing dietary intake b. uses a questionnaire to assess nutrient intake c. requires the subject to make judgments about their usual food habits d. may not give an adequate picture of a specific individual's usual intake ANSWER: REFERENCES: **Nutritional Epidemiology** LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have CTIVES: important implications for nutritional epidemiologic studies. KEYWORDS: Bloom's: Understand 56. The method of assessing intake is time consuming, and the results may not be accurate if subjects modify their eating habits during the time of the study. twenty-four-hour recall a. b. food record c. food frequency d. diet history ANSWER: b *REFERENCES*: Nutritional Epidemiology LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have CTIVES: important implications for nutritional epidemiologic studies. KEYWORDS: Bloom's: Remember measure the food available for consumption from imports and domestic food production minus the food through exports, waste, or spoilage. records a. b. histories balance sheets c. d.

questionnaires

ANSWER:

REFERENCES: **Nutritional Epidemiology**

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Remember

58. In Basiotis et al.'s year-long food intake study, which food component required the largest number of days of food intake records to yield a "true" average intake?

> food energy a.

carbohydrates b.

iron c.

d. vitamin A

ANSWER: d

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Remember

59. Methods of assessing household food consumption include .

- a. records of food wasted, spoiled, or fed to pets
- b. records of number of meals eaten at home or away from the home
- c. per capita export data
- d. food disappearance data

ANSWER: b

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Remember

60. When evaluating epidemiological data, plausibility refers to the _____.

- a. consistency of the association with other knowledge
- b. similarity of findings with other studies
- c. likelihood of a casual association
- d. chronology of exposure and disease onset

ANSWER: a

REFERENCES: Epidemiology and the Community Nutritionist

LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment

methods.

KEYWORDS: Bloom's: Understand

Matching

Match the advantage or disadvantage in the left column with its correct type of study. Items will be used more than once.

a. case-control study

b. cohort study

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

S: studies.

KEYWORDS: Bloom's: Remember

61. Relies on recall or existing records about past exposures

ANSWER:

62. Difficult to select suitable comparison group

ANSWER:

63. Can calculate and compare rates in exposed and unexposed

ANSW	VER:		b
64. No	, c	iduals and which may take years to accomplish	b
65. Re	elatively quick and inexpensive as it	requires relatively few subjects	a
лиоп	LA.		a
66. M ANSW	ay provide incomplete data from su VER:	bject loss to follow-up	b
Matcl	the step in the scientific method in	the left column with its correct description in the rig	ght column.
a.	experiment		
b.	hypothesis & prediction		
c.	observation & question		
d.	results & interpretations		
e.	theory		
REFE	TRENCES: Types of Epide	emiologic Studies	
LEAR S:	• • • • • • • • • • • • • • • • • • • •	17.2.4 - Describe the strengths and weaknesses of va	rious types of epidemiologic
KEYW	WORDS: Bloom's: Rem	ember	
67. TI	ne problem is identified. VER:		c
68. A ANSW	tentative solution to the problem is <i>YER</i> :	formulated.	b
69. A ANSW	study is designed and conducted to VER:	collect relevant data.	a
70 C	onclusions are drawn based on colle	ected data	
ANSW		secon data.	d
71. Co	onclusions of studies that support th	e hypothesis are integrated.	e
Match	the definitions in the left column w	with the appropriate terms in the right column.	
a.	risk	The depropriate terms in the right column.	
b.	confounding factor		
c.	prevalence		
d.	determinants		
e.	case		
f.	cohort		
	incidence		
g. h.	case-control study		
	vital statistics		
1.	vitai statisties		

food balance sheets j. REFERENCES: Basic Epidemiologic Concepts LEARNING OBJECTIVES: CNIA.BOYL.17.2.3 - Explain prevalence rates and how they differ from incidence rates. KEYWORDS: Bloom's: Remember 72. The number of existing cases of a disease in a given population ANSWER: c 73. The number of new cases of a disease during a specific time period in a defined population ANSWER: g Match the definitions in the left column with the appropriate terms in the right column. risk a. b. confounding factor prevalence c. determinants d. e. case f. cohort incidence g. case-control study h. vital statistics food balance sheets REFERENCES: Basic Epidemiologic Concepts LEARNING OBJECTIVE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic S: studies. KEYWORDS: Bloom's: Remember 74. A well-defined group of people who are studied over a period of time ANSWER: f 75. A type of observational analytic study ANSWER: h 76. A "hidden" characteristic that is distributed differently in the study and control groups that may cause an association that the researchers attribute to other factors ANSWER: b Match the definitions in the left column with the appropriate terms in the right column. a. confounding factor b. prevalence c. determinants d.

case

cohort

e.

f.

Chapter 02 - Principles of Epidemiology i. vital statistics j. food balance sheets REFERENCES: Nutritional Epidemiology LEARNING OBJECTIVES CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment methods. Bloom's: Remember KEYWORDS: 77. National accounts of the annual production of food, changes in stocks, imports/exports, and food distribution ANSWER: j Match the definitions in the left column with the appropriate terms in the right column. risk a. b. confounding factor prevalence c. d. determinants case e. f. cohort incidence g. h. case-control study i. vital statistics food balance sheets j. REFERENCES: Basic Epidemiologic Concepts LEARNING OBJECTIVCNIA.BOYL.17.2.2 - Describe various vital statistics used by epidemiologists to monitor a ES: population's health status. KEYWORDS: Bloom's: Remember 78. The probability that people will acquire a disease ANSWER: a 79. Figures pertaining to certain life events ANSWER: 80. A particular instance of a disease or outcome of interest ANSWER: e

Match the definitions in the left column with the appropriate terms in the right column.

- risk a.
- confounding factor b.
- prevalence c.
- d. determinants
- case e.
- f. cohort
- incidence g.
- h. case-control study
- i. vital statistics
- j. food balance sheets

REFERENCES: The Practice of Epidemiology

LEARNING OBJECTIVES: CNIA.BOYL.17.2.1 - Define epidemiology.

KEYWORDS: Bloom's: Remember

81. Causes and factors that affect the risk of disease

ANSWER: d

Subjective Short Answer

82. List different controllable and non-controllable risk factors of heart disease.

ANSWER: Controllable risk factors include high LDL cholesterol, low HDL cholesterol, high blood pressure,

cigarette smoking, diabetes, physical inactivity, obesity, an atherogenic diet, and stress. Non-

controllable risk factors include age, gender, and genetics.

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJE CNIA.BOYL.17.2.2 - Describe various vital statistics used by epidemiologists to monitor a

CTIVES: population's health status.

Bloom's: Remember KEYWORDS:

83. List the steps of the scientific method in order.

ANSWER: Observation and question; hypothesis and prediction; experiment; results and interpretation; support

or rejection of hypothesis; and formation of theory, if hypothesis was supported, or development of

new questions/hypotheses, if hypothesis was not supported.

Types of Epidemiologic Studies REFERENCES:

LEARNING OBJE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

CTIVES: studies.

Bloom's: Understand KEYWORDS:

84. Define confounding factors. List possible confounding factors in an epidemiological study.

Confounding factors are "hidden" factors or characteristics that are distributed differently in the study ANSWER:

> and control groups and may cause an association that the researchers attribute to other factors. Possible confounding factors include: age, gender, race, ethnicity, and dietary or lifestyle factors.

Types of Epidemiologic Studies *REFERENCES*:

LEARNING OBJE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

CTIVES: studies.

KEYWORDS: Bloom's: Understand

85. Can data derived from an ecological study accurately yield a final conclusion that consumption (or lack thereof) of a specific nutrient can lead to the development of a given disease? Why or why not?

ANSWER: No; the data from an ecological study cannot be used to draw these conclusions as the dietary data

obtained are based on population food disappearance data and are therefore not particularly specific.

Types of Epidemiologic Studies *REFERENCES*:

LEARNING OBJE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

CTIVES: studies.

KEYWORDS: Bloom's: Understand

86. What is the main difference between a retrospective and prospective cohort study?

A retrospective cohort study examines previous data in an effort to look back in time to reconstruct ANSWER:

exposures and health outcomes, whereas prospective cohort studies follow a group into the future.

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

CTIVES: studies.

KEYWORDS: Bloom's: Understand

87. Define the term relative risk and explain what a relative risk of greater than 1.0 means.

ANSWER: The relative risk is a comparison of the risk of some health-related event, such as disease or death, in

two groups. If the relative risk is greater than 1.0, the exposed group is at greater risk of the health-

related event than the unexposed group.

REFERENCES: The Practice of Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.2 - Describe various vital statistics used by epidemiologists to monitor a

CTIVES: population's health status.

KEYWORDS: Bloom's: Understand

88. Make an observation on the diet-cancer relationship as it is understood today.

ANSWER: Answers will vary, but could include the following:

Those who consume a low-fiber, low-antioxidant, low-fruit and -vegetable diet have an increased risk

of developing cancer.

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Apply

89. Develop a hypothesis to be tested that is relevant to the diet-cancer relationship.

ANSWER: Answers will vary; however, in an experimental trial, the investigator will need to identify a

cause-effect comparison.

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTIVCNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

ES: studies.

KEYWORDS: Bloom's: Apply

90. Would a cohort study be appropriate to investigate your hypothesis? Why or why not?

ANSWER: Answers will vary; however, in most situations a cohort study could be appropriate because it

allows comparisons of groups.

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJECTI CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

VES: studies.

KEYWORDS: Bloom's: Apply

91. What role might the community nutritionist play in this study?

ANSWER: Answers will vary, but could include the following:

- Identifying nutritional problems within the community
- Interpreting the scientific literature for the public and other health professionals
- Critically evaluating the scientific literature before formulating new nutrition policies or offering advice about eating patterns

REFERENCES: Epidemiology and the Community Nutritionist

LEARNING OBJEC CNIA.BOYL.17.2.2 - Describe various vital statistics used by epidemiologists to monitor a

TIVES: population's health status.

KEYWORDS: Bloom's: Understand

Essay

92. Define epidemiology and its relationship to community nutrition.

ANSWER: Epidemiology is the study of the distribution and determinants of health-related states and events in

specified populations and the applications of this study to the control of health problems. The epidemiologist works to identify the causes of disease and to propose strategies for controlling or

preventing health and nutrition problems.

REFERENCES: The Practice of Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.1 - Define epidemiology.

CTIVES:

KEYWORDS: Bloom's: Understand

93. Describe two examples of how the results of epidemiological studies have impacted the nutritional status of Americans.

ANSWER:

- The relationship between adequate folic acid consumption and the lowered risk of neural tube defects led to the national policy of all grain products being fortified with folic acid.
- The relationship between diets low in fruits and vegetables and an increased risk of certain types of cancer led to an approved health claim on food labels.

REFERENCES: The Practice of Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.2 - Describe various vital statistics used by epidemiologists to monitor a

CTIVES: population's health status.

KEYWORDS: Bloom's: Understand

94. Describe major vital statistics used by epidemiologists to monitor a population's health status. *ANSWER:*

- *Crude birth rate* is the ratio of the number of live births during the year as compared to the average mid-year population multiplied by 1000.
- *Crude death rate* is the number of deaths during the year as compared to the average midyear population multiplied by 1000.
- Age-specific death rate is the ratio of the number of deaths to people in a particular age group as compared to the average midyear population in a specified age group multiplied by 1000.
- Cause-specific death rate is the ratio of the number of deaths due to a particular cause during the year as compared to the average midyear population multiplied by 1000.
- *Infant mortality rate* is the number of deaths of infants under the age of 1 as compared to the number of live births in the same year multiplied by 1000.
- *Neonatal mortality rate* is the number of deaths of infants under the age of 28 days during the year as compared to the number of live births in the same year multiplied by 1000.
- Fetal death rate is the number of fetal deaths (>20 weeks of gestation) during the year as compared to the number of live births and fetal deaths in the same year multiplied by 1000.

Maternal mortality rate is the number of pregnancy-related deaths during the year as compared to the number of live births in the same year multiplied by 100,000.

REFERENCES: The Practice of Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.2 - Describe various vital statistics used by epidemiologists to monitor a

CTIVES: population's health status.

KEYWORDS: Bloom's: Understand

95. Explain prevalence rates and how they differ from incidence rates.

ANSWER: The prevalence rate is the fraction or proportion of a group possessing a disease or condition at a

specific time, whereas the incidence rate is the fraction or proportion of a group initially free of a disease or condition that develops the disease or condition over a period of time. By calculating and comparing rates, epidemiologists can determine the strength of the association between risk factors

and the health problem being studied.

REFERENCES: Basic Epidemiologic Concepts

LEARNING OBJE CNIA.BOYL.17.2.3 - Explain prevalence rates and how they differ from incidence rates.

CTIVES:

KEYWORDS: Bloom's: Understand

96. Discuss two reasons why data that is collected may not be valid.

ANSWER:

Two possible explanations for incorrect or invalid results include:

• They are biased due to a systematic error in measuring one or more outcome variables or there were systematic differences in the populations studied.

• The results are due to chance and do not represent the true state of affairs; that is, the observations made arose from random variations within the sample.

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

CTIVES: studies.

KEYWORDS: Bloom's: Understand

97. Compare and contrast the major strengths and limitations of cohort studies and case-control studies.

ANSWER: A comparison of the major strengths and limitations is presented in Table 5.5 in the text. Essentially, a

cohort study may provide complete data on the cases and stages of a disease in which calculations and comparisons can be made between those who were exposed and not exposed. These studies tend to be expensive and take many years to complete, thus increasing the amount of non-response data and limiting the control of complete and the con

limiting the control of confounding variables. Case-control studies are relatively quick and inexpensive studies that are an excellent way to study rare diseases and diseases with long latency periods. Oftentimes, existing records can be utilized on a relatively few study subjects. Limitations of this type of study include that the mechanism of the disease is not studied, with validation of data

difficult to achieve.

REFERENCES: Types of Epidemiologic Studies

LEARNING OBJE CNIA.BOYL.17.2.4 - Describe the strengths and weaknesses of various types of epidemiologic

CTIVES: studies.

KEYWORDS: Bloom's: Understand

98. Explain how the complexity of our diets creates challenges in studying the relationship of diet to disease. *ANSWER*:

The complexity and diversity of chemicals found in the foods and supplements we consume

• The need for long-term dietary intake to be examined

• The variety of foods consumed throughout the year

• The variety of foods consumed day-to-day (within-person variation)

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

99. Explain why the day-to-day variation in an individual's nutrient intake can have important implications for nutritional epidemiologic studies.

ANSWER: If only one day's intake is determined, then, the true long-term nutrient intake may be misrepresented,

leading to a false assessment of nutritional status.

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.5 - Explain why the day-to-day variation in an individual's nutrient intake can have

CTIVES: important implications for nutritional epidemiologic studies.

KEYWORDS: Bloom's: Understand

100. Differentiate among the methods of collecting food consumption data at the national, household, and individual levels.

ANSWER:

The primary method of assessing the available food supply at the national level is based on food balance sheets. Food balance sheets measure the food available for consumption from imports and domestic food production, less the food "lost" through exports, waste, or spoilage, on a per capita basis. It is not a measure of actual food consumption, but availability.

Methods of assessing household food consumption consider the per capita food consumption of the household, taking into account the age and sex of persons in the household (or institution), the number of meals eaten at home or away from home, income, shopping practices, and other factors.

Four different methods used to assess food consumption at the individual level include: diet history, 24-hour dietary recall, food record or diary, and food frequency questionnaire. Dietary recalls are appropriate for assessing the intakes of groups of people, but a single 24-hour recall may not give an adequate picture of a specific individual's usual intake. Food records are often considered the best method of assessing dietary intake, but they are time consuming, and the results may not be accurate if subjects modify their eating habits during the time of the study. Diet histories can provide detailed information, but they require subjects to make judgments about their usual food habits. Food frequency questionnaires provide less detailed information, but are well suited for use with large groups.

groups

REFERENCES: Nutritional Epidemiology

LEARNING OBJE CNIA.BOYL.17.2.6 - List the advantages and disadvantages of various dietary assessment methods.

CTIVES:

KEYWORDS: Bloom's: Understand