



Cost Identification Analysis

- <u>Cost Identification Analysis</u> measures the total economic cost of a given condition or type of adverse behavior.
 - Examples: Cost of asthma or Alzheimer's disease. Cost of cigarette smoking or excessive alcohol consumption.



- <u>Direct medical costs</u> all costs incurred by medical care providers when treating the condition.
- <u>Direct nonmedical costs</u> monetary costs imposed on any nonmedical care personnel, including patients and their relatives.
- <u>Indirect costs</u> opportunity cost of the time influenced by the illness or health behavior such as lost productivity because of sickness, injury, or loss of life.

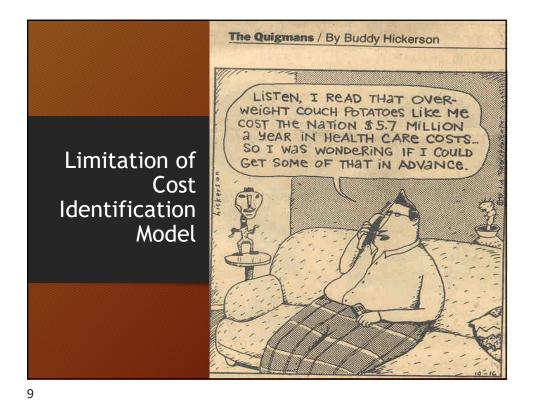
Example of Cost Identification Analysis

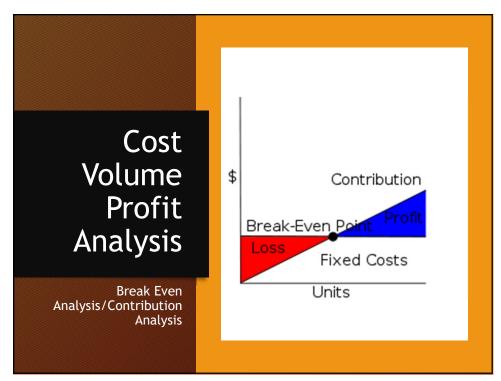
• Weiss, Gergen, and Hodgson (1992), New England Journal of Medicine

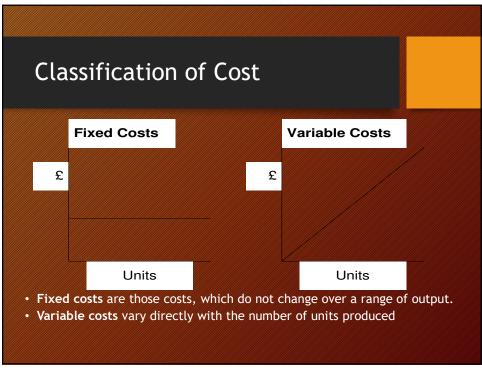
- Total annual cost of asthma in the U.S. > \$6.2 million in 1990
 - Direct medical costs > \$3.6 million
 - Indirect costs > \$2.5 million
 - Lost school days = \$900 million
 - Lost work due to illness = \$800 million
 - Lost work because of worker death = \$800 million

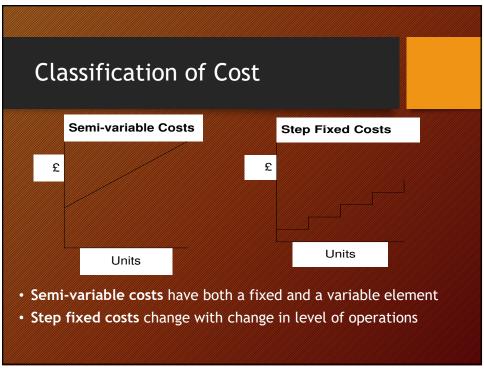
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Sheds light on the economic impact of illnesses and adverse health behaviors etc. • Does not provide information on the wastefulness of various interventions or the Value of Cost best or efficient way of Identification saving lives/resources. Analysis

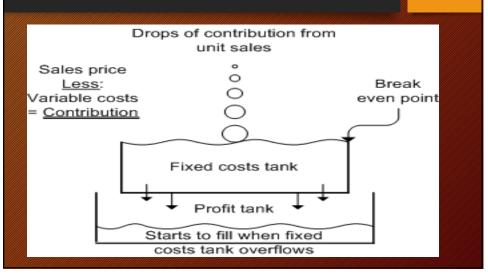




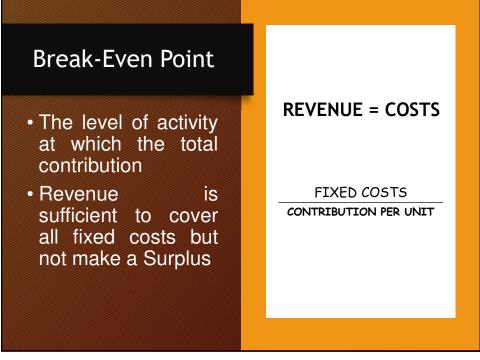




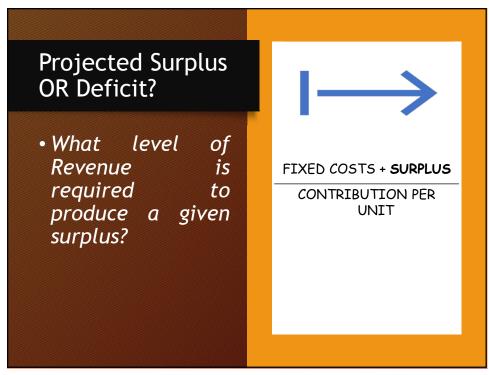
THE CONCEPT OF CONTRIBUTION

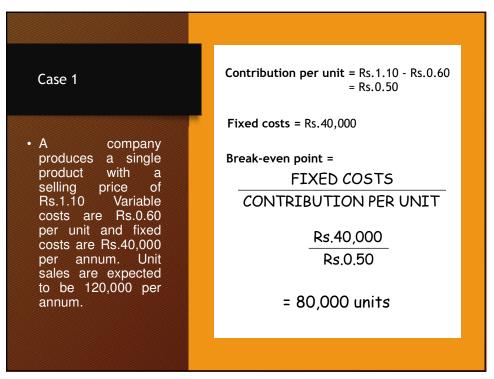


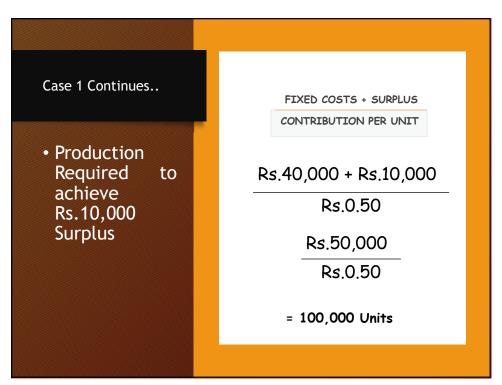












CONTRIBUTION/REVENUE RATIO % (CR RATIO)

- Used in Service Industries
- More than One Product in Manufacturing
- Level of Revenue will be in MONETARY TERMS instead of units sold

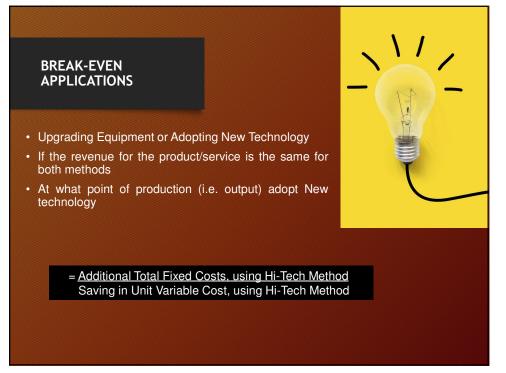
Break Even Point =

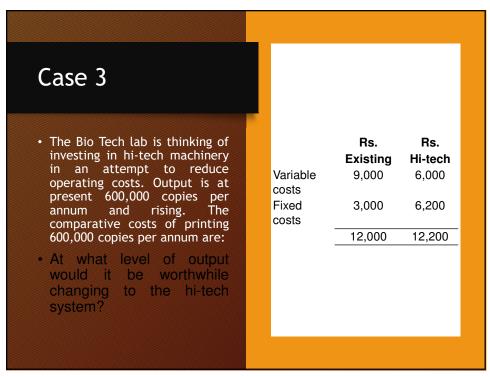
Fixed Cost Contribution Revenue Ratio %

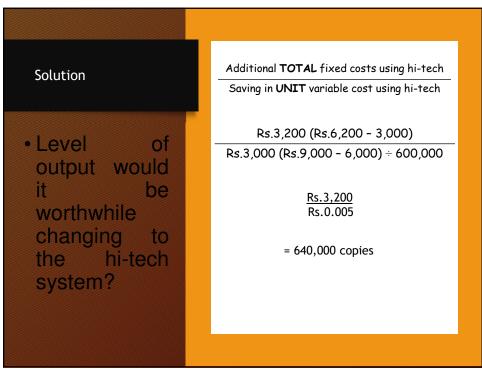
Here,

CR % = <u>Contribution value</u> x 100 Revenue

Case 2				Contribution =
An State Transport company has budgeted the following:				Revenue = Rs.1,000,000 less Variable costs = Rs.250,000 Contribution = Rs.750,000
Sales	₹	₹ 1,000,000		CR % = <u>Contribution value</u> x 100 Revenue
Costs:		1,000,000		= <u>Rs.750,000</u> x 100 = 75%
Variable costs	250,000			Rs.1,000,000
Fixed costs	600,000	850,000		break-even = <u>Fixed Costs</u>
Profit		150,000		CS ratio
What is the Break-Even point in sales value?				= <u>Rs.600,000</u> 75% Break even = Rs.800,000







Cost and Revenue Analysis			
Cos	t analysis	• A study of the costs of the resources (such as personnel, supplies, and equipment) associated with implementing a project, program, service, or other activity.	
Rever	nue analysis	• A study of the revenues (fees, donations, and grants) received from clients, external sources, or an organization's headquarters.	
	ng Cost with evenue	 Analyzing revenues is useful for examining the relationship between the fee you charge (if any) and the cost of providing a service. 	



