Costing exercise-Answers

Top-down costing:

1)Ignore overhead cost and calculate

1. Laboratory cost/WMU

=4,000,000/8,000,000=$0,50/WMU

1. ICU cost/patient day

=$500,000/5000=$100 patient/day

2)Allocate overhead and calculate

1. Laboratory cost/WMU

Laboratory cost=direct cost+laboratories’ share of administration+laboratories’ share of housekeeping+laboratories share of of laundry

=4,000,000+ \*2,000,000+ \*1,500,000+\*1,300,000

=4,000,000+250,000+75,000+25,000=4,350,000

Laboratory cost/WMU=4,350,000/8,000,000=0,54/WMU

1. ICU cost/patient day

ICU cost= direct cost+ICU share of administration+lCU share of housekeeping+ ICU share of laundry

=500,000+ \*2,000,000+ \*1,500,000+\*1,300,000

=500,000+50,000+20,000+75,000=645,000

ICU cost/patient day=645,000/5,000=$129 patient/day

B) Costing exercise 2

By using the following details please calculate the cost of stroke per patient. Once a patient have a stroke he/she will be first reffered to stroke unit and then will be followed by general medical ward before discharge. After discharge he/she will be screened by outpatient clinic on regular basis

1. What is the hospital cost of stroke?

Average cost for stroke unit=6 x 150 =900 Euros

Average cost for general MW= 50 X 4= 200 Euros

Average cost for thrombolysis= 500 x 0.01= 5 Euros

Physician cost= 10 days x (30/60) x 10 = 50 Euros

Hospital cost per patients=1155 Euros

1. What is the outpatient cost of stroke?
2. What is the societal cost?

=Hospital cost+Outpatient costs + productivity loss

=1155+40+100=1255 Euros