

HOSPITAL LA FE DE VALENCIA

KEY RESULTS AND EXTRACTS TRANSLATED , M.W.GALE 18.9.06

A European Case Study in Supplies Automation

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OBJECTIVE

The objective of this study is to examine the changes that have taken place... since the installation of the Omnicell system....carried out gradually between 2002 and 2003.

The implementation of the Omnicell system is intended to obtain on the one hand a reduction in consumption and on the other an improvement in the physical surgical storage areas together with a reduction in stocks .. and acceptance by the staff as the end user of the system.

III METHODOLOGY and IV EVALUATION

It is clear from the Spanish text that a systematic and comprehensive study has been done by hospital staff from various departments but it doesn't lend itself to brief translation. A full translation can be supplied later if required.

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V RESULTS

From a qualitative point of view...the Omnicell system has given the expected results:

Acceptance by the hospital staff

A reduction in wasted stock and urgent reordering

Removal from medical staff of administrative work

Optimisation of storage spaces

A better control of cost and management of purchasing

An important qualitative result that stands out is the reduction and optimisation of storage spaces... the elimination of intermediate warehouses.

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The table of results show that despite an 8.4% increase in surgical activity in 2001-2003 there was a 14.29% decrease in the consumption of supplies.

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If we take account of the increased productivity of 8.4%... and add this increase in productivity into the reduction in consumption we would be talking of a grand total of 22.7% reduction at the end of the two years.

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In the following cost-benefit analysis no account is taken of the increase in surgical activity.....Whilst it is clear that including this increase in surgical activity would still more improve the savings in this cost-benefit analysis but for the simplicity of obtaining definite conclusions we believe it more appropriate to not include it in the analysis.

**COST BENEFIT ANALYSIS
OMNICELL SYSTEM – HOSPITAL SUPPLIES**

Data before the installation of the Omnicell System

Annual consumption	1,518,100 Euros
Estimated stock level in months	1 Month
Average stock value	126508 Euros

Data after the installation of the Omnicell System

Coefficient of reduction in consumption	14.29 %
Annual consumption	1,328,264 Euros
Annual Consumption reduction	189812 Euros
Estimated stock level in months	0.25 Months
Reduction in Wastage and obsolescence	3 %
Total Investment	540516 Euros
Total Saving, per annum	240297 Euros
Amortisation period (payback)	24 Months

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CONCLUSIONS

..the La Fe Hospital has achieved a reduction in the space required to store surgical supplies....in spite of an 8.4% increase in surgical activity... a reduction of 14.9% of consumption of hospital supplies for 2003 as compared to 2001... an annual saving of 240,297 Euros.