Integration of tools SSAS and .Net for the development of a system of detection of cases of maternal mortality, applying trees of decision, for the Regional Address of Health (DIRESA), Cusco

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ABSTRACT

Currently, there is a high maternal mortality rate, which is very worrying, because these deaths could be expected to have been detected early, this means that centers in where patients are served not have any means of early warning, allowing more specialized monitor, cases involving some degree of risk.

Today, the information and communication technologies are spread globally, and are implemented in all areas of human knowledge, in very specifically health fields where there are technologies that enable better decision-making to specific cases and not sticking to rigid protocols of medical assessment, so impersonal care of patients is a cause of inefficiency in the provision of health services.

The Regional Health Bureau (DIRESA) – Cusco have percentages of the last study in 2003, so it does not have updated information that allows establish preventive strategies for the detection of causes of maternal mortality.

For these reasons, I say that the development of the detection system of maternal mortality using decision trees for the Regional Health Bureau. (DIRESA), Cusco, integrating SSAS and .Net tools to get reports with information from the analysis, where you can know the degree of involvement of specific variables, which must be taken into account at the time of childbirth.

With the integration of SSAS and .Net can be estimated after having evaluated a number of variables, the probability of a pregnant woman to live or die in childbirth.

Keywords: trees of decision, pregnancy, Microsoft SQL Server, Microsoft SQL Server Analysis Services (SSAS), Mining of data, maternal mortality, pre-eclampsia, puerperium.