The purpose of this thesis is to analyze and evaluate francophone fulltext information resources in the field of medicine available on the World Wide Web either for free or paid. Origin of these resources is restricted to regions of France, Belgium, Canada and Switzerland. In general introduction the thesis specifies the medicine and talks about its history. Then the information in medicine is described as well as its publishers and agents and its typology focused on electronic form of publishing on the internet. Separate chapter is dedicated to problem of evaluation of medical information resources reliability on the internet. The core of this work is made up by the analyse and evaluation of particular types of the fulltext information resources and their representatives from the medical field which make French fulltexts available. These resources are portal, digital archive, digital library, database accessing fulltexts, electronic system of thesis and electronic journals. Particular types of resources are described in general at first, then their specific representatives are stood up by their reliability, manner of its sorting, accessibility and possibilities of content dissemination. Conclusions of this work summarize and evaluate all findings.