

## Research Ethics

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Clinical research must fulfill ethical requirements. We have these requirements both because of the history of research abuses and scandals and because inherent in research is the possibility of exploiting research participants. The ethical requirements are an attempt to minimize the chance of exploitation. There are 8 separate ethical principles: 1) community partnership, 2) social value, 3) scientific validity, 4) fair subject selection, 5) favorable risk-benefit ratio, 6) independent review, 7) informed consent, and 8) respect for enrolled participants. Fulfilling each of these principles is necessary for a research study to be ethical. These principles are universal—they apply to research in all countries—but they must be adapted to the circumstances of a particular research site, such as disease prevalence and severity.