

Abstract:

The issue of unused or expired medicines in households and healthcare settings presents both a challenge and an opportunity in addressing the needs of underserved populations. This paper explores the concept of creating a platform for the online donation of unused medicines to non-governmental organizations (NGOs) that can redistribute them to communities in need. Such a system would not only help reduce medical waste but also bridge the gap in healthcare access for impoverished and marginalized groups. The platform would function by allowing individuals and healthcare facilities to donate medicines that are unused, unopened, and within their expiry dates, ensuring that they are transferred to vetted NGOs working in resource-limited settings. Through an efficient and transparent mechanism, the donation process would be facilitated, including verification, packaging, and delivery logistics. Key considerations for the success of this initiative include ensuring regulatory compliance, maintaining medicine quality, and fostering trust among donors, recipients, and organizations involved. The paper also discusses the potential benefits, challenges, and ethical implications of implementing such an online platform, while suggesting strategies for scaling it globally to have a meaningful impact on public health.