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Determination and Prioritization of Public Library Services in Disasters

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Abstract

Purpose: This study aims to identify and prioritize the services provided by public libraries during disasters, focusing on their roles before, during, and after such events.

Methodology: The research, applied in purpose and descriptive-survey in method, utilized the fuzzy Delphi technique and the Best Worst Method (BWM) to analyze the opinions of 62 public library librarians and 11 library science experts in Iran.

Findings: The resulting model outlines 33 services categorized into pre-disaster (14 services), during-disaster (12 services), and post-disaster (7 services). Services during disasters were deemed the most critical, followed by pre-disaster and post-disaster services. Key services include implementing mobile health ambassador libraries, forming voluntary campaigns among librarians, and establishing specialized groups to assess immediate library needs.

Conclusion: Public libraries hold a vital role in disaster response and recovery due to their mission of equal access and community support. This study proposes a localized, actionable model of library services to enhance disaster management in Iran.

Value: By addressing the unique needs of communities during crises, public libraries can significantly contribute to disaster preparedness and recovery, reinforcing their role as safe havens and resource hubs.

Keywords: *Service Model Design, Public Library Services, Disasters, Crisis Management*

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Extended Abstract

Introduction: Public libraries, numbering over 320,000 globally, are pivotal in providing equitable access to resources and serving as community safe spaces. Their role extends beyond conventional services, particularly in disaster-prone regions like Iran, the sixth most disaster-vulnerable country globally. Libraries often serve as accessible, critical facilities, even surpassing healthcare centers in some areas. Recognizing their unique potential, this study explores the determination and prioritization of library services in disaster contexts.

Purpose: The primary aim is to design a comprehensive model that identifies and prioritizes public library services during disasters. The model emphasizes preparation, immediate response, and recovery, ensuring libraries effectively meet community needs in crisis scenarios.

Methodology: This applied research adopted a descriptive-survey approach. Using the fuzzy Delphi method, input from 62 public library librarians helped identify essential services. Subsequently, 11 library science experts prioritized these services using the Best Worst Method (BWM).

Findings: The study's findings highlight 33 essential services, categorized into three phases:

1. Pre-disaster (14 services):

Executive Field: Key actions include forming national and local disaster management teams for libraries and ensuring preparedness for swift disaster response.

Educational Field: Conducting training programs for librarians on disaster preparedness.

Informational Field: Establishing digital repositories of disaster-related resources such as e-books, podcasts, and guides.

2. During-disaster (12 services):

Executive Field: Priority services include implementing mobile health ambassador libraries, forming volunteer groups among librarians, and establishing specialized teams for immediate library needs assessment.

Cultural Field: Developing activities like entertainment and play for children to alleviate trauma and support students' return to education.

Informational Field: Setting up crisis information hubs to disseminate reliable and timely updates.

3. Post-disaster (7 services):

Executive Field: Facilitating collaborative activities involving medical librarians, Red Crescent workers, and community leaders to aid recovery efforts.

Cultural Field: Hosting events to honor disaster responders, conducting group sessions for mental health support, and organizing workshops to encourage community rebuilding efforts.

Documentation Field: Archiving digital records of disaster-related actions and resources for future reference.



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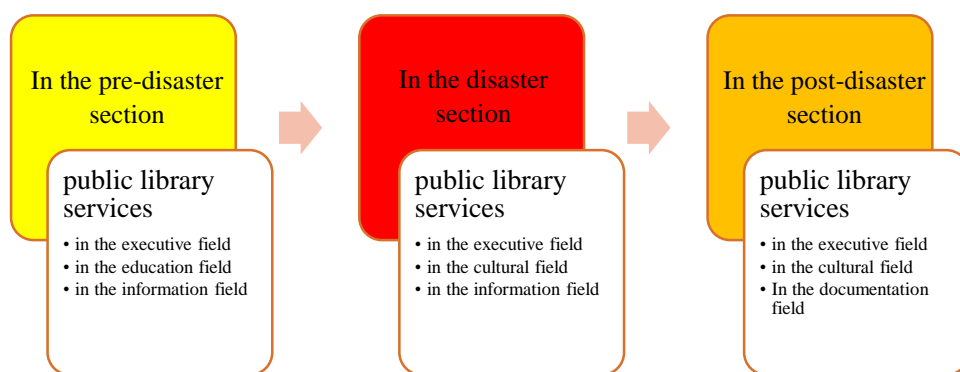


Table 1. The most important sub-index in the model

Steps	weight Indicator	rank	context	Actions	Final weight sub-index	rank
Before the crisis	0/24	2	Executive	Taking the necessary measures to prepare public libraries to face the crisis	0/2856	5
			Educational	Holding crisis preparation courses for librarians	0/2695	7
			Informational	Creating a digital resource base of books, podcasts, brochures, and electronic guides	0/2357	12
crisis	0/60	1	Executive	Implementation of the Health Ambassador Mobile Library project	0/3843	1
			Cultural	Implementation of children's entertainment plan in crisis areas	0/2011	17
			Informational	Designing and developing the application system to increase resilience and obtain reliable news for those affected by the crisis	0/2212	15
After the crisis	0/15	3	Executive	Cooperation of the library with religious missionaries, medical librarians, Red Crescent rescuers	0/1312	30
			Cultural	Holding a ceremony honoring the heroes in the crisis	0/1443	27
			Documentation	Preparation of digital archive of documents of information sources used and actions taken.	0/1924	21

Services during disasters received the highest priority, emphasizing immediate and direct community support.

Pre-disaster measures ranked second, highlighting the importance of preparedness, while post-disaster services focused on recovery and resilience-building.

Among all services, implementing the mobile health ambassador library project emerged as the most critical, followed by forming volunteer campaigns and specialized assessment groups.



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Conclusion: The study's model offers a comprehensive framework for enhancing the disaster management capabilities of public libraries in Iran. By adopting these localized strategies, libraries can better serve their communities, ensuring they remain essential pillars of support during and after crises.

Value: Public libraries, with their core mission of free and equal access to resources, are uniquely positioned to aid communities during crises. This study provides a structured model for libraries in Iran, enabling them to localize and implement disaster-specific services effectively. The findings underscore the potential of libraries to go beyond traditional roles, acting as key players in disaster management and community resilience.

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