

## **Resource Libraries: Aligning Technical Resource Libraries with a Public Distribution Website**

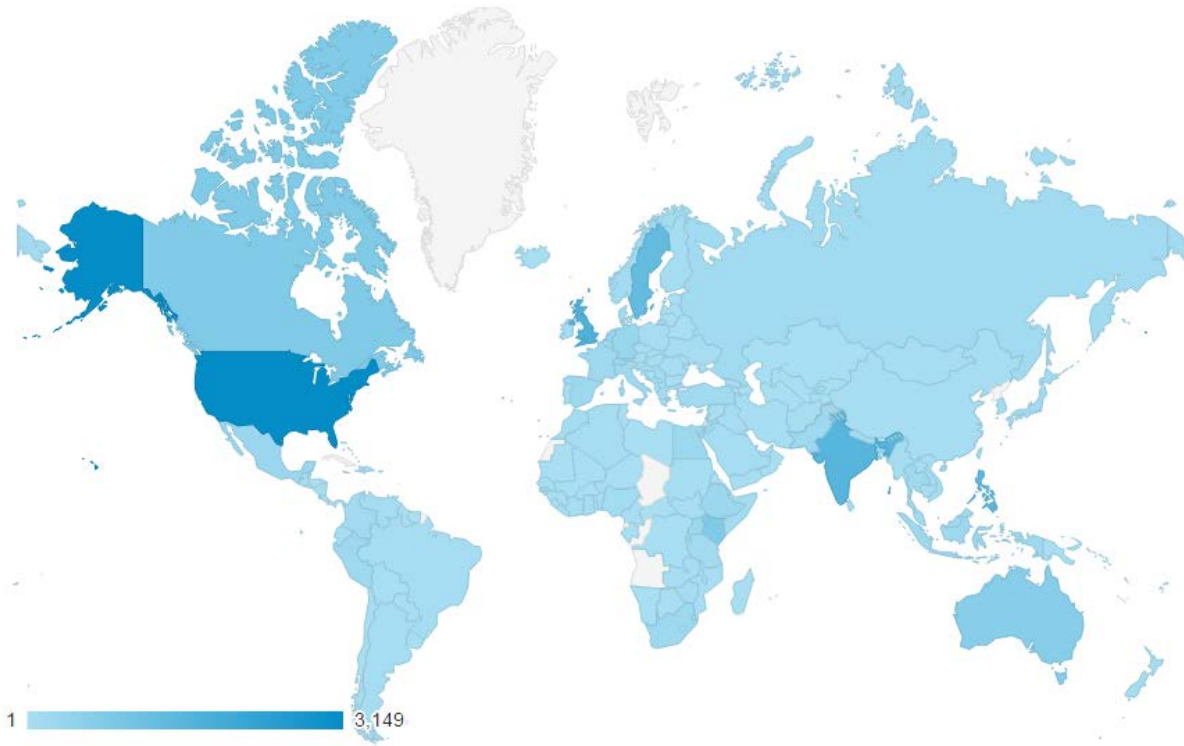
Martin Svensson & Katie Konrad, Save the Children Sweden  
Joseph Busch & Branka Kosovac, Taxonomy Strategies on  
behalf of Save the Children US

## **Background on Save the Children Resource Centre (RC) and how we arrived at the metadata scheme and value vocabularies**



# RC WORLDWIDE USAGE

21,972 visitor in April 2016  
(15,804 visitor in April 2015)



## Top 20 countries

1.	United States	3,149 (14.33%)
2.	United Kingdom	1,737 (7.91%)
3.	India	1,559 (7.10%)
4.	Philippines	1,505 (6.85%)
5.	Sweden	1,326 (6.03%)
6.	Canada	782 (3.56%)
7.	Kenya	782 (3.56%)
8.	Australia	645 (2.94%)
9.	Bangladesh	348 (1.58%)
10.	Netherlands	341 (1.55%)
11.	Germany	331 (1.51%)
12.	Mexico	291 (1.32%)
13.	Ethiopia	273 (1.24%)
14.	Egypt	253 (1.15%)
15.	Uganda	247 (1.12%)
16.	Spain	242 (1.10%)
17.	Lebanon	241 (1.10%)
18.	Switzerland	239 (1.09%)
19.	Pakistan	230 (1.05%)
20.	South Africa	226 (1.03%)

# Resource Centre video demo



Welcome to the Resource Centre, a comprehensive source of information on child protection and child rights governance.



Or browse the library by:

[THEMATIC AREAS](#)[COUNTRY & REGION](#)[PUBLISHER & AUTHOR](#)[KEYWORDS](#)

FEATURED STORY

## **WORLD HUMANITARIAN SUMMIT** -MOVING THE AGENDA FORWARD FOR REFUGEE CHILDREN

The World Humanitarian Summit promised to be a revolution in the way the world addresses humanitarian emergencies. One of the commitments made was that education should be seen as a humanitarian priority, just as important as food and shelter in a crisis.

# The Resource Centre's metadata scheme and value vocabularies:

In the beginning:

Corrupted strings  
Non-searchable text fields  
Polluted taxonomies  
Apache SOLR

...poor search results

# Our Content Management System: DRUPAL

Module based – flexible and customizable

Open source – large user community



# Goal: Increase relevancy of search results

Subject metadata unique to Save the Children:

- ❖ Thematic focus
- ❖ Geography

Creating controlled lists:

- ❖ Spelling – 18 different ways to spell Côte d'Ivoire
- ❖ Geopolitical mapping – country and region
- ❖ Politics



## One Result:

Site visitations have gone up by over 150% in the past two years.

## **Background on Save the Children OneNet Health and Nutrition Resource Library (HNRL) and how we arrived at the metadata scheme and value vocabularies**



# STC OneNet Health & Nutrition Resource Library (HNRL)

? Help & FAQ

Submit Document

## Health & Nutrition Resource Library

Harnessing our collective knowledge across Health & Nutrition

Search our extensive library of resources



Or browse by sub-theme

Maternal, Newborn, Reproductive Health

Child Health

Maternal, Infant and Young Child Nutrition

Adolescent Sexual and Reproductive Health

Water, Sanitation and Hygiene

HIV

Clinical Services (Humanitarian)

Browse all content

- ❖ Centralised resource that makes key knowledge available to be shared among all Save the Children members and country offices so that information gaps are bridged as the workforce changes.
- ❖ Integrates content previously available on members' intranets and specialised portals.
- ❖ Developed for Health & Nutrition related content with the intention to include all thematic areas over time.

# STC OneNet HNRL metadata schema & value vocabulary development process

## ❖ Metadata schema

- Collected & mapped metadata schemas from existing libraries
- Interviewed a large number of stakeholders
- Conducted survey
- Developed a schema using Dublin Core as a reference
- Validated by Steering Committee
- Further refined with project team

## ❖ Value vocabularies

- Collected values from the existing libraries
- Analysed search logs
- Parsed interview transcripts
- Parsed relevant external web content
- Developed draft vocabularies
- Validated content types vocabulary via card-sorting exercises
- Validated technical vocabularies with SME's

# STC OneNet HNRL key challenges

- ❖ Balancing end user needs and content creator/manager burden in the number of metadata elements
- ❖ Bridging user, literary, and organisational warrant in the selection of vocabulary values
- ❖ Managing changes over time—organisational priorities, focus, language

# STC OneNet HNRL profile

Field	Description	Data Format	Source	Tag Method	Mandatory	Repeatable	Default Value
<b>Descriptive Metadata</b>							
<b>File Name</b>	Use to identify the filename of the item as saved in the content repository.	File	Free Text	Automated	Y	Y	N/A
<b>Title</b>	Use to record the title of content item.	Single line of text	Free Text	Type-in	Y	N	N/A
<b>Content Type</b>	Out-of-box SharePoint column that specifies "technical content type", i.e. the set of associated metadata columns, workflows, templates.	Computed	Predefined set	Automated	Y	N	N/A
<b>Format</b>	Out-of-box SharePoint column that captures file type of the content item.	Computed	Predefined set	Automated	Y	N	N/A
<b>Content Category</b>	The general nature, type or function of the content seen from the user's perspective. Use Audience to specify who the content has been prepared for.	Managed Metadata	Controlled Vocabulary	Select	Y	N	N/A
<b>Publisher</b>	Use to identify who published the item (STC or external).	Managed Metadata	Controlled Vocabulary	Select	Y	Y	Save the Children
<b>Primary Author</b>	The author listed first on the item.	Managed Metadata	Controlled Vocabulary	Type-in	N	Y	blank
<b>Contributor(s)</b>	Anyone else who needs to be identified in addition to the Primary Author.	Managed Metadata	Controlled Vocabulary	Type-in	N	Y	blank
<b>STC Author</b>	External item with STC author. Check if the author or a contributor is affiliated with STC.	Logical	Y/N	Select	Y	N	N
<b>Owner</b>	The person responsible for maintaining the content item.	Person	Active Directory	Select	Y	N	blank
<b>Language(s)</b>	Use to identify the language or languages the content is written in.	Managed Metadata	Controlled Vocabulary	Select	Y	Y	English
<b>Description</b>	Use to record a summary of what the content is about and why it is important.	Multiple lines of text	Free Text	Type-in	N	N	blank
<b>Dates</b>							
<b>Date</b>	Use to specify the date the content item was created or published. Use last day of month or year if exact day is not known, e.g., "20160531" for May 2016, or "20161231" for 2016.	Date	Calendar	Select	Y	N	
<b>Approved Date</b>	Used to specify date content was approved to be uploaded to the library.	Date	Calendar	Automated	Y	N	Modified On
<b>Created on</b>	Out-of-box SharePoint column that specifies the date when the item was uploaded into the resource library.	Date	Calendar	Automated	Y	N	Today()
<b>Modified On</b>	Use to identify the date the content item was last modified.	Date	Calendar	Automated	Y	N	Today()
<b>Review Date</b>	Use to identify the date the content item is scheduled to be reviewed.	Date	Calendar	Automated	Y	N	Approved date + 365
<b>Subject Metadata</b>							
<b>Geographic Location(s)</b>	Use to identify the region and/or country or countries that the content is about or related to.	Managed Metadata	Controlled Vocabulary	Select	N	Y	blank
<b>Theme(s)/Sub-Theme(s)</b>	Use to identify the STC thematic area that the content is about or related to.	Managed Metadata	Controlled Vocabulary	Select	N	Y	blank
<b>Cross-Thematic Area(s)</b>	Use to identify the cross-thematic area.	Managed Metadata	Predefined set	Select	N	Y	blank
<b>Project(s)</b>	Use to identify the project/program that the item is directly associated with.	Managed Metadata	Controlled Vocabulary	Select	N	Y	blank
<b>Topic(s)</b>	Use to identify any topical subjects and sub-themes not already covered that the content is about or related to.	Managed Metadata	Controlled Vocabulary	Select or add	N	Y	blank
<b>Use Metadata</b>							
<b>Archive Flag</b>	Use to flag an item to be included in the archive.	Logical	Y/N	Select	Y	N	N
<b>Public Distribution</b>	Use to indicate whether the content can be included in the external Resource Center	Logical	Y/N	Select	Y	N	N
<b>Limited Distribution</b>	Use to indicate that access to the content item should be restricted to specified audience.	Logical	Y/N	Select	Y	N	N

# STC OneNet HNRL vs. Resource Centre Comparison

OneNet HNRL	Resource Centre
<b>Audience</b>	
<ul style="list-style-type: none"> <li>• Internal, more technical, using internal jargon</li> </ul>	<ul style="list-style-type: none"> <li>• External, more diverse, unknown</li> </ul>
<b>Use Scenarios</b>	
<ul style="list-style-type: none"> <li>• Training available</li> <li>• Users uploading content</li> </ul>	<ul style="list-style-type: none"> <li>• Self service</li> <li>• Dedicated curator</li> </ul>
<b>Content Scope</b>	
<ul style="list-style-type: none"> <li>• Content supporting work processes (trip reports, templates, manuals)</li> </ul>	<ul style="list-style-type: none"> <li>• Published content related to thematic subject areas</li> </ul>
<b>Technology Features &amp; Constraints</b>	
<ul style="list-style-type: none"> <li>• No polyhierarchy in controlled vocabularies</li> </ul>	<ul style="list-style-type: none"> <li>• No synonym expansion in search</li> <li>• Type-ahead looking up metadata values</li> </ul>
<b>Project Timeline</b>	
<ul style="list-style-type: none"> <li>• Focus on Health &amp; Nutrition</li> <li>• Slow-paced, no dedicated resources</li> </ul>	<ul style="list-style-type: none"> <li>• Started from Child Poverty</li> <li>• Dedicated resources, faster development</li> </ul>

# Why integrate STC OneNet HNRL and the Resource Centre?

- ❖ Make valuable content available to broader audiences.
- ❖ Streamline the process of collecting and publishing content.
- ❖ Leverage/rationalise tagging and editorial efforts.



**What is a light weight application profile, and how this will be applied at Save the Children**





## What is an application profile

- ❖ “...schemas which consist of data elements drawn from one or more namespaces, combined together by implementors, and optimised for a particular local application.” – Heery & Patel
- ❖ By “*light-weight*” application profile we mean the specification needs only to operate between pre-defined applications, and may rely on human editors to reconcile exceptions. Over time, the specification should become more robust and enable more seamless integration.

# STC OneNet HNRL functional requirements for public access

- ❖ Upload to the Resource Centre (RC) for public access.
  - Easily identify items for public distribution.
  - Periodically push (to RC) or pull (from HNRL) identified items and useful metadata.
  - Map some HNRL metadata properties to RC.
  - Map some HNRL value vocabularies to RC.
  - Notify content owner when an item is live on the RC site.
  - Identify items that are obsolete and should be removed from the public site.
  - Communicate and confirm removal of obsolete content items.

# STC OneNet HNRL for public access domain model

## Subject Metadata

Project

Content Category

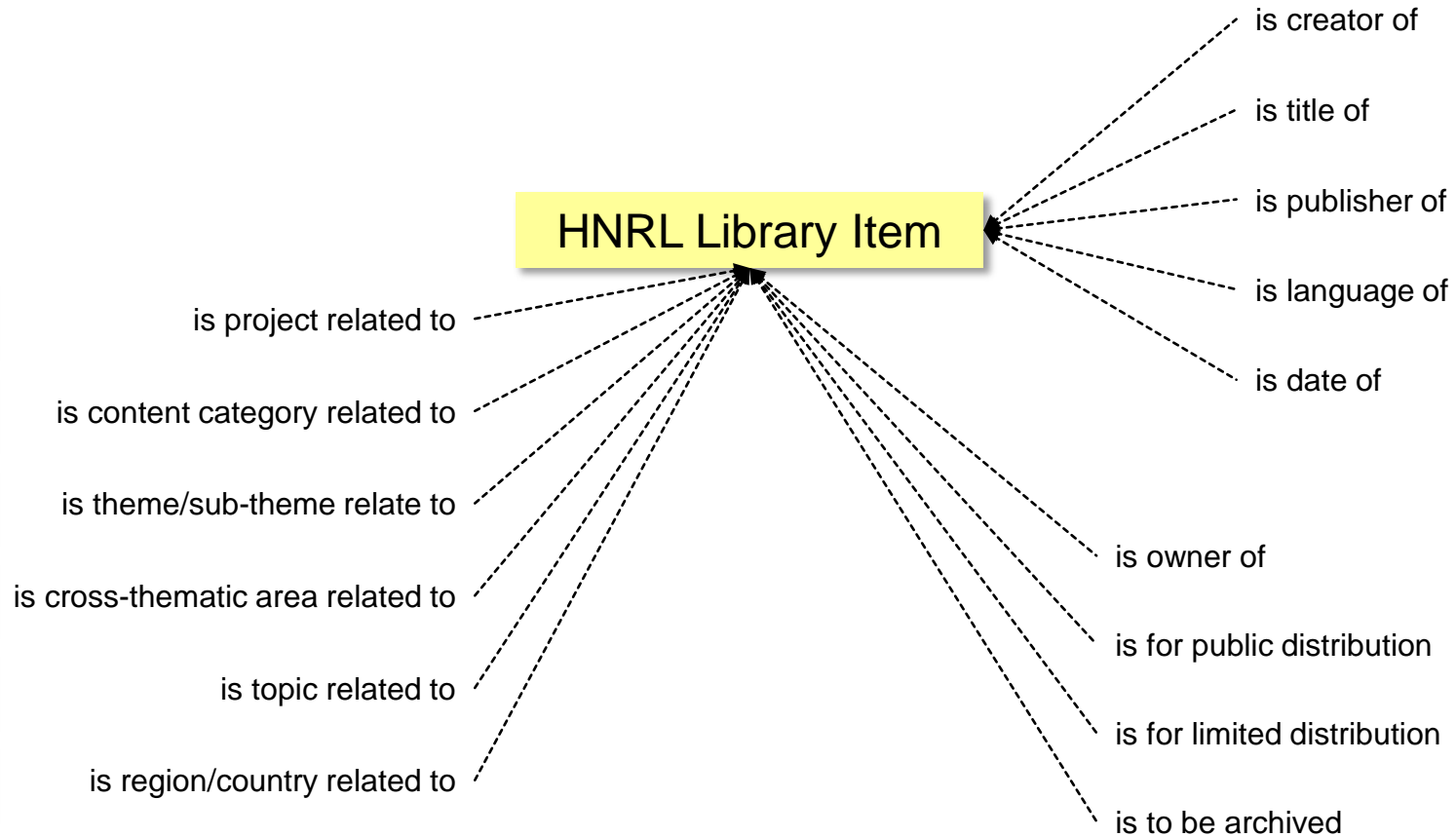
Theme/Sub-theme

Cross-thematic Area

Topic

Region/Country

HNRL Library Item



## Descriptive Metadata

Author/Contributor

Title

Publisher

Language

Date

Owner

Public distribution

Limited distribution

Archive

## Business Metadata



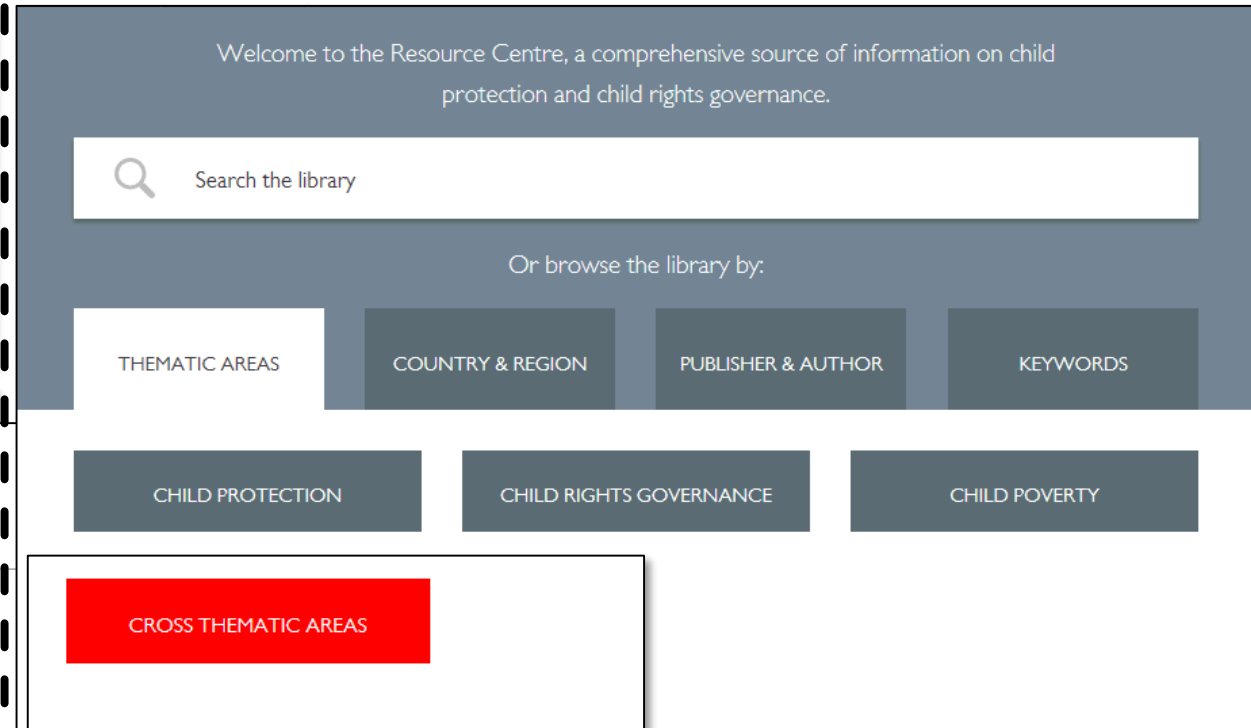
# STC OneNet HNRL for public access metadata terms

DC Terms Property	HNRL Property	Resource Centre Property	Range	Value String	SES URI
dcterms: creator	Author/Contributor	Author	non-literal	YES	NO
dcterms: title	Title	Title	literal	YES	NO
dcterms: publisher	Publisher	Publisher	non-literal	YES	NO
dcterms: language	Language	Language	non-literal	YES	<a href="http://purl.org/dc/terms/ISO639-2">http://purl.org/dc/terms/ISO639-2</a>
dcterms: date	Date	Publication Year	literal	YES	<a href="http://purl.org/dc/terms/W3CDTF">http://purl.org/dc/terms/W3CDTF</a>
dcterms: subject	Topic	Keywords	non-literal	YES	NO
dcterms: type	Content Category	Types	non-literal	YES	NO
dcterms: coverage	Region/Country	Country & Region	non-literal	YES	NO
stc: theme	Theme/Sub-theme, Cross-cutting Theme	Thematic Areas/ Cross-cutting Themes	non-literal	YES	NO

# Mapping STC OneNet HNRL to Resource Centre properties

HNRL Properties	Resource Centre Properties
Author/Contributor	Author
Title	Title
Publisher	Publisher
Language	Language
Date	Publication Year
Theme/Sub-theme, Cross-cutting Theme	Thematic Areas/Cross-cutting Themes
Topic	Keywords
Content Category	Types
Region/ Country	Country & Region

# Challenge: Reconciling STC OneNet HNRL vs. RC thematic areas



Select : Theme(s)/Sub-Theme(s)

- Not to be Used -Themes and Sub-Themes
  - Child Protection Governance
  - Education
  - Health
    - Adolescent Sexual and Reproductive Health
    - Child Health
    - Clinical Services Humanitarian
    - Human Immunodeficiency Virus
    - Maternal, Infant and Young Child Nutrition
  - Maternal, Newborn, Reproductive Health
    - Mental Health
    - Water, Sanitation and Hygiene
  - Protection

Select >>

Select : Cross-Thematic Area(s)

- Cross-Thematic Areas
  - Humanitarian
  - Monitoring and Evaluation
  - Policy & Advocacy
  - Urban

Select >>

CROSS THEMATIC AREAS

[See all documents from Cross Thematic Areas](#)

Or select area:

- Advocacy
- Child Participation
- Child Rights Programming (CRP)
- Children's Rights and Business
- Gender Equality
- Child Safeguarding
- Disaster Risk Reduction (DRR)
- Climate Change Adaptation (CCA)
- Urbanisation
- Resilience

# Challenge: Reconciling STC OneNet HNRL vs. RC geographic regions

Select : Geographic Location(s)

- Location
  - East & Southern Africa
  - Europe
  - Global
  - Latin America & Caribbean
  - Middle East & Eurasia
  - North America
  - Oceania
  - South & Central Asia
  - South East & East Asia
  - West & Central Africa

Select >>

Nigeria; Zambia; Cote d'Ivoire; DR Congo;

OK Cancel

Welcome to the Resource Centre, a comprehensive source of information on child protection and child rights governance.

Search the library

Or browse the library by:

THEMATIC AREAS COUNTRY & REGION PUBLISHER & AUTHOR KEYWORDS

MAP LIST

NORTH AMERICA LATIN AMERICA CARIBBEAN EUROPE AND NORTH ASIA

NORTH AFRICA WEST AND CENTRAL AFRICA EAST AFRICA SOUTHERN AFRICA

MIDDLE EAST AND EURASIA CENTRAL ASIA SOUTH ASIA SOUTHEAST ASIA

OCEANIA PACIFIC ISLANDS



# Challenge: Reconciling STC OneNet HNRL Topics vs. RC Keywords

- Topic
- Antenatal and Postnatal Care
  - Birth Asphyxia
  - Child Mortality
  - Community Case Management
  - Community Mobilization and Capaci...
  - Diarrhea Management
  - Essential Newborn Care
  - Gender-Based Violence
  - Health Information Systems
  - Health Systems Strengthening
  - HIV/AIDS
  - Malaria
  - Maternal Mortality
  - Newborn Mortality
  - Newborn Resuscitation
  - Pneumonia
  - Prevention of Mother to Child Trans...
  - Quality Improvement/Continuous...

THEMATIC AREAS    COUNTRY & REGION    PUBLISHER & AUTHOR    KEYWORDS

Q |

# A B C D E F G H I J K L M N O P Q R S T U V W Y

- #ENDviolence
- Abandonment
- Abduction
- Abuse
- Abuse prevention
- Acceptance
- Accountability
- ACE Toolkit
- Activities
- Adaptable assessment tools
- Adolescents
- Adoption

# QUESTIONS

