



INK

International Network in Kangaroo Mother Care

A KMC E-learning Platform as an effective tools for KMC dissemination and monitoring

11th Congress INK, Trieste 2016

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THE PROBLEM



- Diffusion of KMC is slow and coverage is not sufficient
- Large scale training and monitoring is expensive and difficult to implement
- Referral system from lowest to highest level of care is not implemented in several part of the world
- Very little data regarding this population is available in a lot of countries

PART OF THE SOLUTION



The KMC Training Program

- KMC Excellence Centers
- The KMC E-Learning Platform
- A Multilevel Training Program: “See one, Do one, and Teach one”



The KMC Data recording system

- KMC indicators data sheet
- Indicators according to the level of care



THE SCALING STRATEGY FOR KMC

National Level

KMC Excellence Centers

Step 1

KMC Training Program

KMC E-Learning Platform

KMC Data recording System

Regional Level

KMC Program in Regional Hospitals

Step 2

Local Level

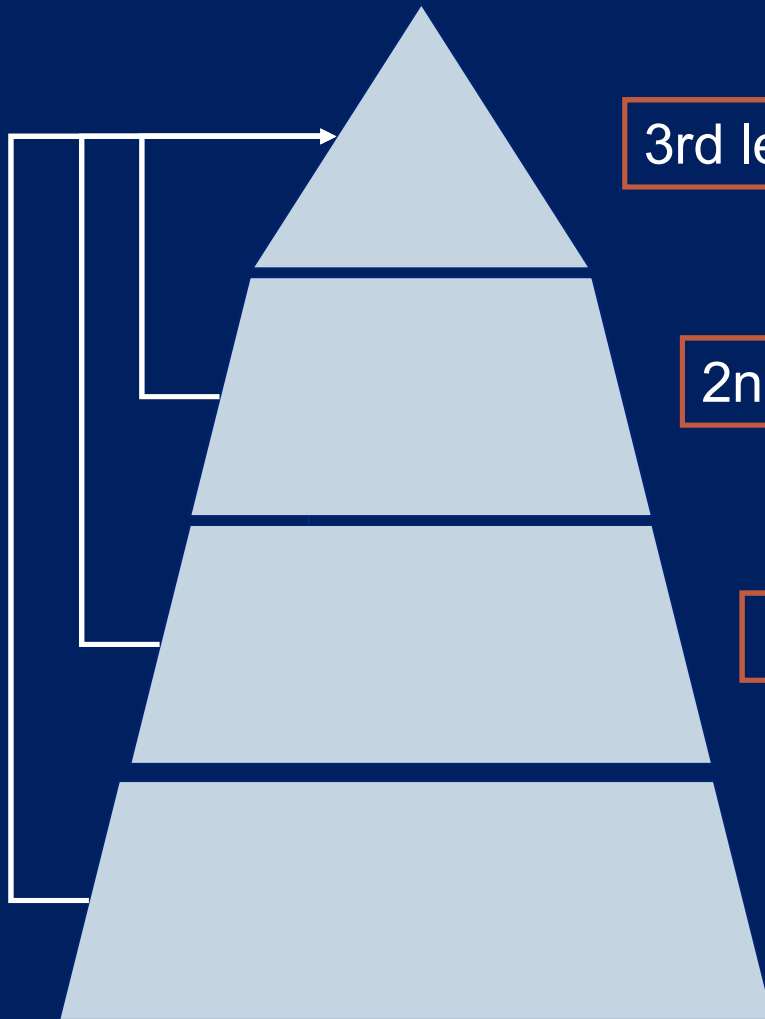
KMC referral in Local Health Centers

Step 3

THE KMC TRAINING PROGRAM

A Multilevel Training Program

REFERRAL SYSTEM



3rd level facilities, with NICU

2nd level facilities, with NU

1st level facilities, without NU

Community level

THE KMC TRAINING PROGRAM

3rd level training

And

2nd level training

- 15 days practical and theoretical training
- Training performed in a KMC Center of Excellence
- 5 days evaluation after a 3 and 6 month period
- Staff trained : pediatrician, general practitioner, nurse, midwife, psychologist
- Training content: all aspects of KMC from its application in the Neonatal Unit, KMC Ward and the implementation of a KMC Ambulatory Program. Data collecting and data analysis
- Supported by the KMC E-learning Platform

THE KMC TRAINING PROGRAM

1st level training

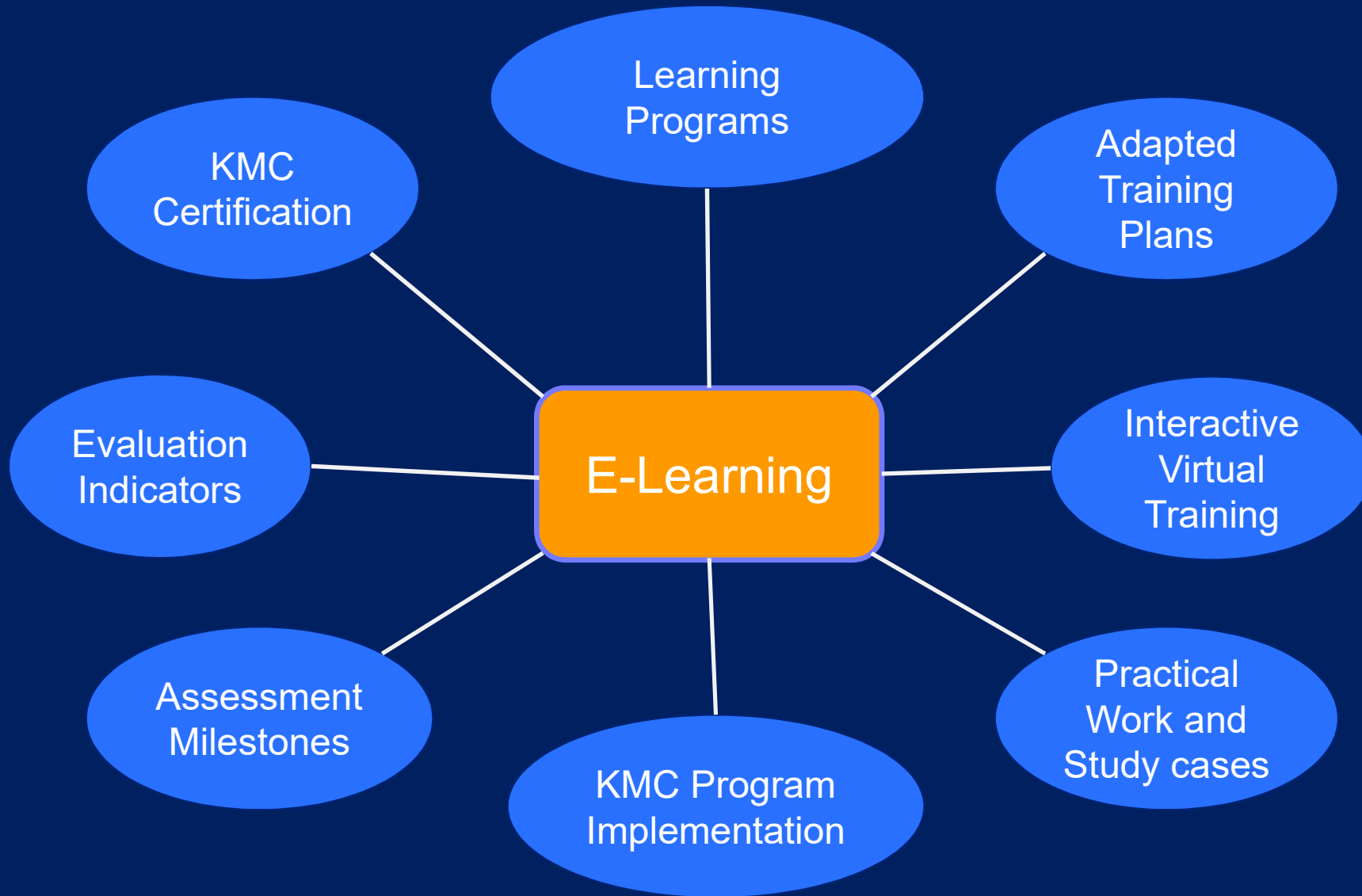
- 5 days practical and theoretical training
- Training performed in a district hospital with deliveries but without neonatal unit previously trained in essential care of the newborn and KMC for referral .
- 3 days evaluation after a 3 and 6 month period
- Staff trained : nurse, midwife, auxiliary nurse
- Training content: 1/ antenatal care: prompt identification of preterm labor and preterm birth, and the appropriate referral procedure to a higher level of care. 2/ hypothermia and hypoglycemia prevention with the routine use of the Kangaroo Position and initiation of Kangaroo Nutrition. Data collecting.

THE KMC TRAINING PROGRAM

Community training

- 3 days practical and theoretical training
- Training performed in a 1st level institution
- 1 day evaluation after a 1, 3 and 6 month period
- Staff trained : auxiliary nurse, health promoter, TBA
- Training content: 1/ antenatal care: prompt identification of preterm labor and preterm birth, and the appropriate referral procedure to a higher level of care. 2/ hypothermia and hypoglycemia prevention with the routine use of the Kangaroo Position and initiation of Kangaroo Nutrition and how to properly refer. 3/ alarm signs when infants are coming back to the community. Data Collecting

THE KMC E-LEARNING PLATFORM



THE KMC E-LEARNING PLATFORM

ADVANTAGES

- Ability to reach large numbers of people in different languages and different countries
- Allows a detailed pedagogical design according to Hospital level of care – Different and specific training paths
- Establishment of a reliable data collection system to measure impact on morbi-mortality indicators and others health outcomes
- Measurement of the degree of success of the implementation of individual KMC programs and networks (regional and local levels)
- Support the successful implementation, development and efficient functioning of KMC programs
- Establish a KMC network at a country level

THE KMC E-LEARNING PLATFORM

ADVANTAGES

- Learning content is followed immediately by real-life practical exercises, and this leads to maximum motivation and assimilation
- Learners organize their own training schedules to fit in with their work obligations
- The students receive quick feedback from trainers and experts
- Trainers guides learners towards the most relevant complementing resources and helps them put newly acquired skills into practice
- Includes evaluation and can be used for certification process

KMC E-learning Platform

General Aspects

KMC Training Program

KMC Toolbox

KMC Data Collection

KMC Expert Forum

Introduction to KMC

6 training Modules

Assessment Formats

KMC outcomes

Space for professionals

KMC according to levels' facilities

Modules Evaluation (quizzes)

Guide books and complementary information

KMC indicators

News and Information

State of art

Specific Learning tools (videos...)

Implementation Diagrams and Protocols

KMC statistical analysis

KMC Network

Learner Activity Follow-up

KMC Literature

Indicators for all level of care

An interesting tool for training, monitoring and assessment

The screenshot shows a web browser window displaying the homepage of the Kangaroo Foundation. The browser's address bar shows the URL: <https://kangaroorfoundation.lms.crossknowledge.com/site/home>. The website features the logo for 'Fundación Canguro' and a user greeting: 'Bienvenue demo demo' with a 'DD' profile icon. Below the header, there are navigation links for 'Accueil' and 'Mon activité'. The main content area is a blue sidebar with the text: 'Bienvenue Julie à la plateforme E-learning sur la Méthode Mère Kangourou'. Below this text are three buttons: 'INTRODUCTION À LA PLATEFORME', 'LA MMK: QUOI, QUE, QUI, DONT, OÙ?', and 'COLLECTE DES DONNÉES'. To the right of the sidebar is a large image of a healthcare professional in white scrubs standing by a patient in a hospital bed. The Windows taskbar at the bottom shows the date and time as 12:41 p.m. on 01/11/2016.

Link: <https://kangaroorfoundation.lms.crossknowledge.com/site/home>

THE KMC DATA COLLECTION

INDICATEURS PLATEFORME E-LEARNING KANGOUROU

INFORMATION
CLINIQUE

INFORMATION
DE SUIVI

INDICATEURS

GRAPHIQUES

POUR
EXPORTER LES
DONNÉES

POUR ENLEVER
LES PATIENTS

THE KMC DATA COLLECTION

INDICATEURS CLINIQUES KANGOUROU

RENTREZ L'INFORMATION CLINIQUE DU NOUVEAU-NÉ

INFORMATION BASIQUE DE NAISSANCE		
ID	<input type="text"/>	
DATE DE NAISSANCE	JOUR <input type="text"/>	MOIS <input type="text"/> ANNÉE <input type="text"/>
STATUT VITAL	SEXE	MOMENT DU DÉCÈS
<input type="radio"/> VIVANT <input type="radio"/> MORT	<input type="radio"/> GARÇON <input type="radio"/> FILLE	<input type="text"/> <input type="checkbox"/> No Info
		LIEU DU DÉCÈS <input type="text"/> <input type="checkbox"/> No Info
INFORMATION CLINIQUE		
EST CE QUE L'ENFANT EST NÉ DANS L'INSTITUTION		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
SI L'ENFANT A ÉTÉ TRANSFÉRÉ D'UNE AUTRE INSTITUTION		
NIVEAU DE L'INSTITUTION		
<input type="radio"/> NIVEAU 0 <input type="radio"/> NIVEAU 1 <input type="radio"/> NIVEAU 2 <input type="radio"/> NIVEAU 3		
Distance (h) <input type="text"/>		
Nom du centre <input type="text"/>		
EST CE QUE L'ENFANT SERA TRANSFÉRÉ A UNE AUTRE INSTITUTION		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
Nom du centre <input type="text"/>		
AUTRES INFORMATIONS		
La naissance a eu lieu		
Dans la communauté		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
Dans un centre de santé communautaire		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
Poids du nouveau-né		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
INFORMATION DU NOUVEAU-NÉ À LA NAISSANCE		
Poids (g)	<input type="text"/>	
Taille (Cm)	<input type="text"/>	
Périmètre crânien (Cm)	<input type="text"/>	
Age gestationnel (Semaines)	<input type="text"/>	
Retard de croissance intra-utérin	<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info	
DIAGNOSTIQUE		
<input type="checkbox"/> Sepsis néonatale	<input type="checkbox"/> Asphyxie néonatale	<input type="checkbox"/> Risque de VIH
<input type="checkbox"/> Hypothermie	<input type="checkbox"/> Jaunisse	<input type="checkbox"/> Entérocolite nécrosante
<input type="checkbox"/> Hypoglycémie	<input type="checkbox"/> Anémie	<input type="checkbox"/> Sain
<input type="checkbox"/> Saignement gastro intestinal	<input type="checkbox"/> Autre Diagnostique	
<input type="checkbox"/> Syndrome de détresse respiratoire	<input type="checkbox"/> No Info	
NOUVEAU-NÉ PLACÉ EN POSITION KANGOUROU APRES LA NAISSANCE		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
Adaptation néonatale à la vie extra-utérine avec oxygène		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
Début de l'allaitement maternel durant les 30 minutes après la naissance		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		
Adaptation néonatale spontanée à la vie extra-utérine		
<input type="radio"/> Oui <input type="radio"/> Non <input type="radio"/> No Info		

Link : <F:\Indicateurs Plateforme E-Learning Kangourou 10-19-2016 final.xlsm>

THE KMC DATA COLLECTION

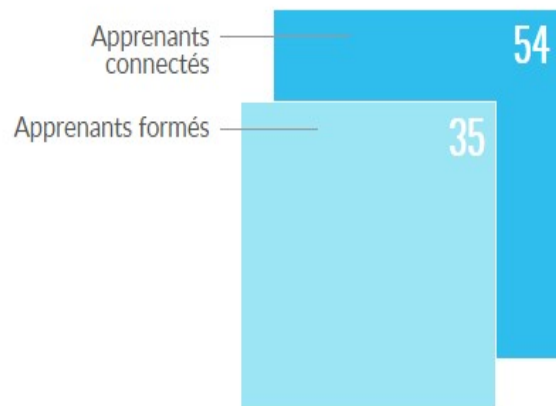
Types of Indicators	Numbers of Indicators
Clinical Indicators	42
Neonatal Unit Indicators	24
KMC Ward Indicators	15
Follow-up Indicators	76

Link : <F:\Indicateurs Plateforme E-Learning Kangourou 10-19-2016 final.xlsm>


ACCESS AND USING OF THE PLATFORM

GENERAL STATISTICS FOR CAMEROON, MALI AND HAITI

Chiffres-clés

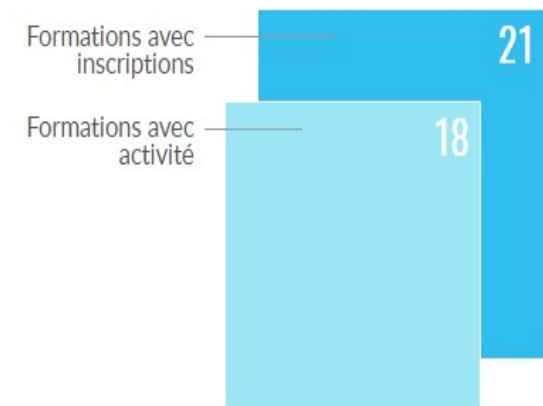


 **284 HEURES**

Moyenne par apprenant :  **8,1 HEURES**

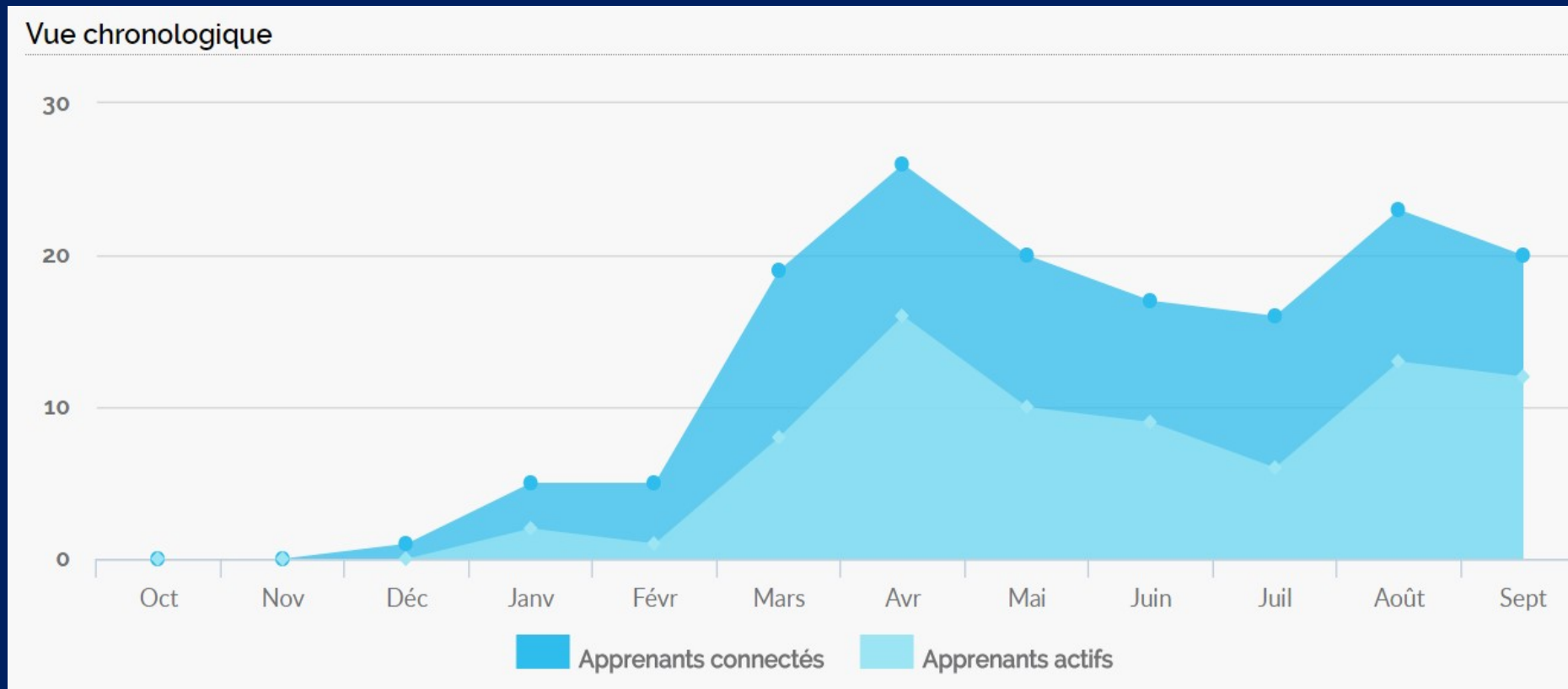
 **798 CONNEXIONS**

[Affiche la vue chronologique](#)



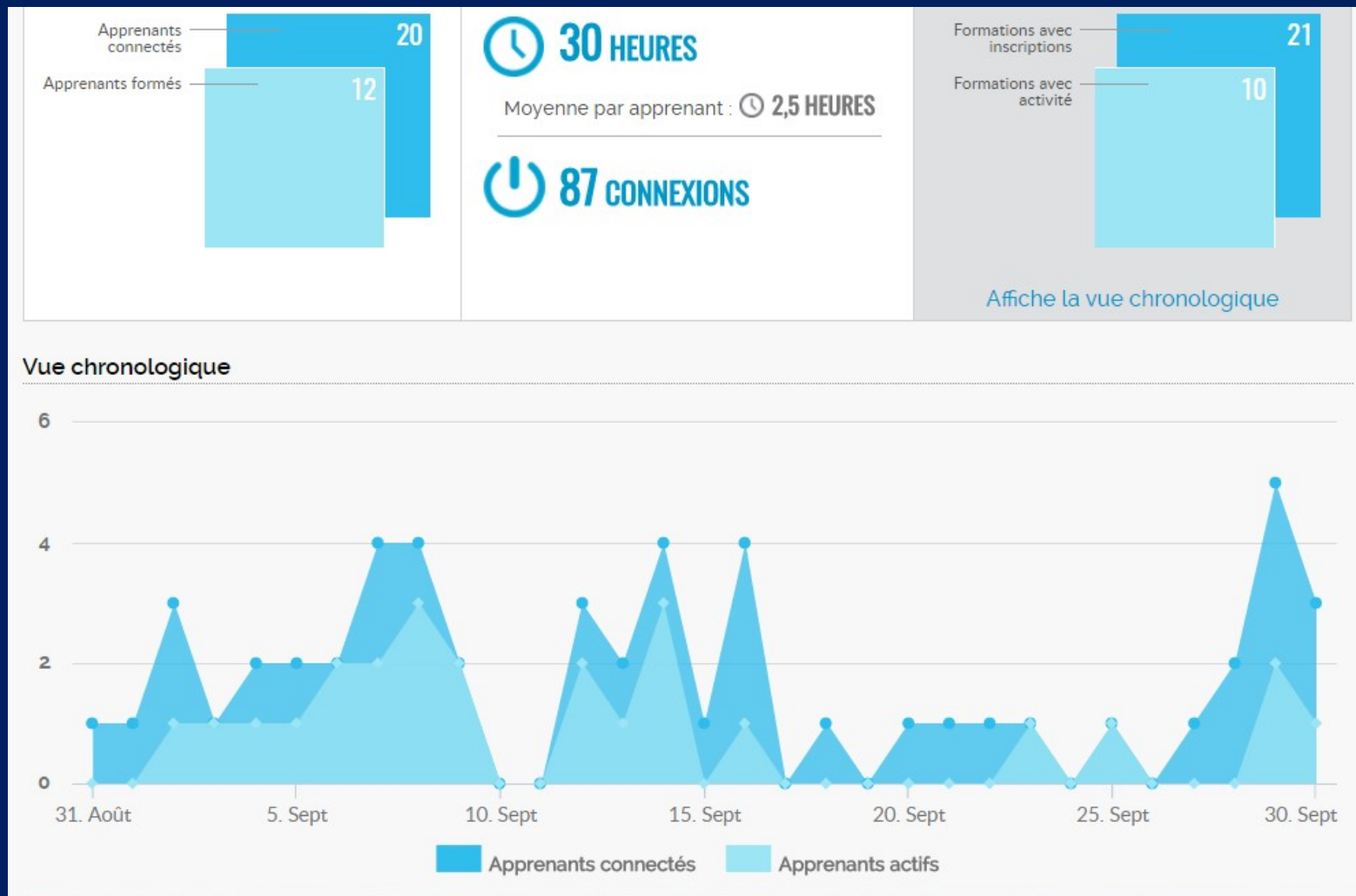
ACCESS AND USING OF THE PLATFORM

GENERAL STATISTICS FOR CAMEROON, MALI AND HAITI



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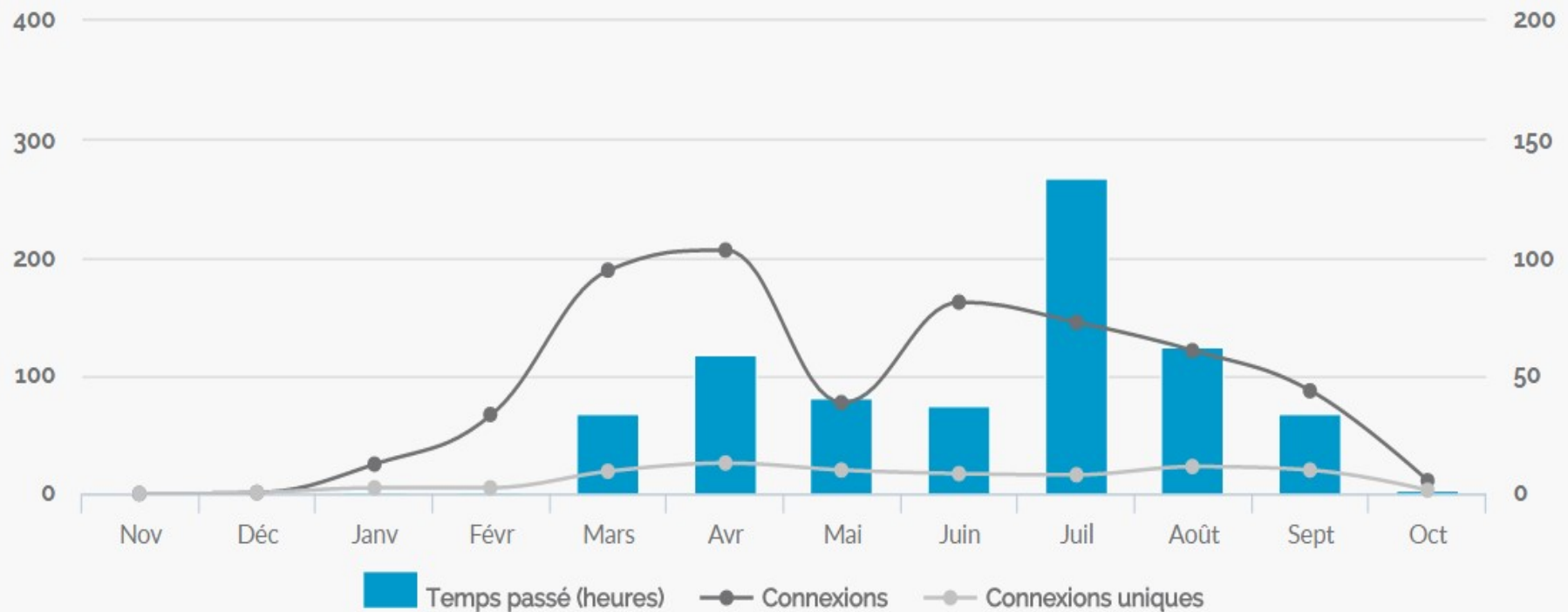
GENERAL STATISTICS FOR CAMEROON, MALI AND HAITI



ACCESS AND USING OF THE PLATFORM

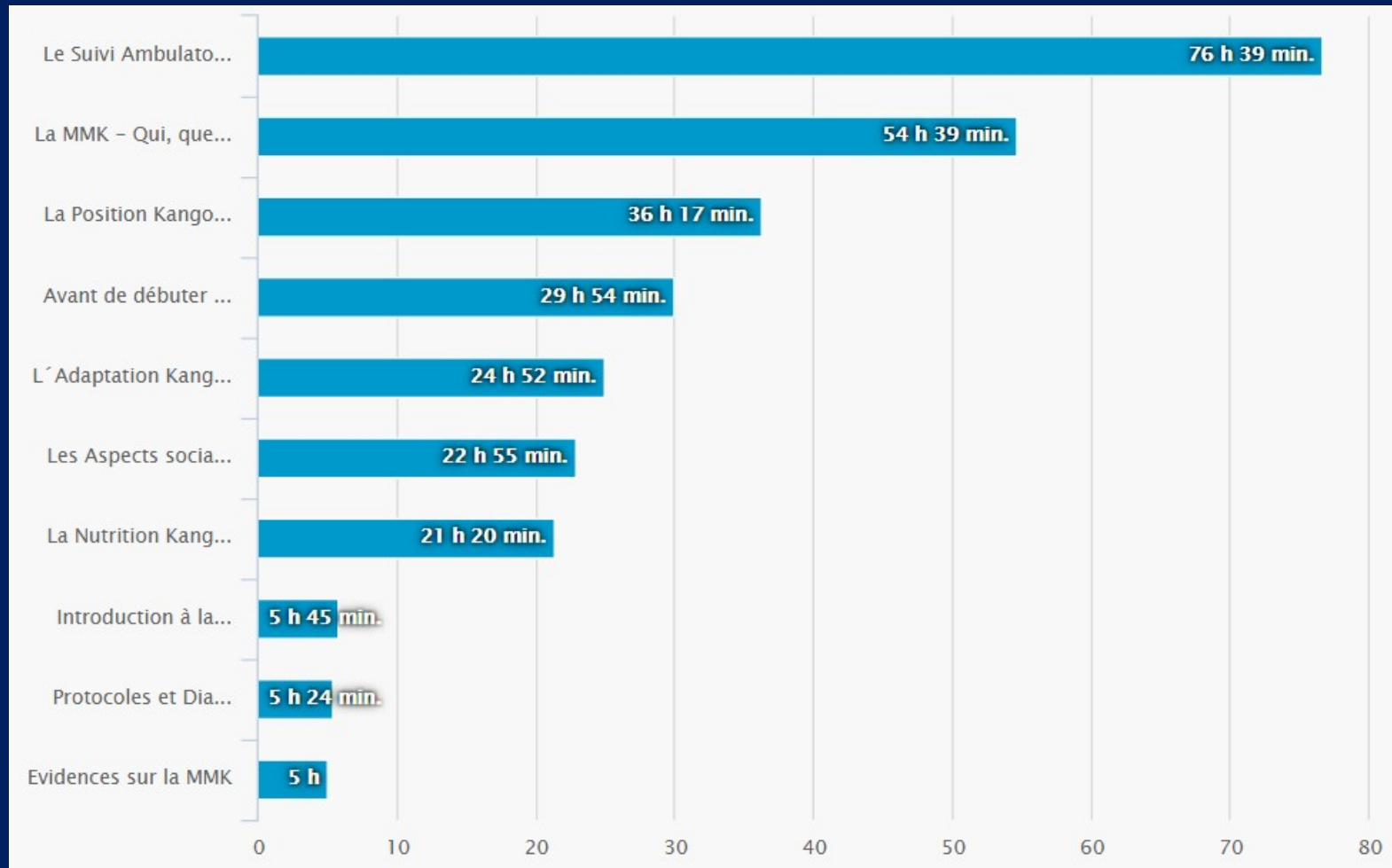
GENERAL STATISTICS FOR CAMEROON, MALI AND HAITI

Vue chronologique



ACCESS AND USING OF THE PLATFORM

GENERAL STATISTICS FOR CAMEROON, MALI AND HAITI



Application in Mali and Cameroon



2 Centers of Excellence and 9 hospitals ready to diffuse regionally and locally in their country



KMC for 100.000 infants/year

KMC Data collection

KMC E-learning Platform



30 %
Decrease of
LBW Mortality
in Cameroon



Strategies for KMC national diffusion



Thank you

