

The number of schools which have introduced [IMCI](#) (Integrated Management of Childhood Illness) in their pre-service teaching in the Region keeps increasing.

The Regional Office has proposed a number of criteria as guidance to the initial selection of teaching institutions which have expressed interest in introducing IMCI elements in their programmes.

It is recommended that a country embarks on the pre-service training initiative only after the completion of the IMCI in-service Early Implementation Phase, during which the IMCI guidelines and approach are field-tested in a few areas and revised according to the findings. In-service and pre-service interventions are therefore complementary.

Criteria

The main criteria for the candidate school to join the [IMCI](#) (Integrated Management of Childhood Illness) pre-service education initiative are:

extensive involvement of faculty in the introduction and implementation of the IMCI strategy in the country;

high commitment of school senior academic staff to the initiative;

receipt of an official request from the university chancellor or faculty dean to the ministry of health for assistance in this area (orientation for staff, planning etc.);

location of the school in an area in which the ministry of health is already implementing IMCI in health facilities.

Starting with a leading academic institution in a country has the advantage of setting an example and paving the way for other schools.

Year of introduction by country

[IMCI](#) (Integrated Management of Childhood Illness) was first introduced in pre-service education in Alexandria University, Egypt, in 1998. The year of first introduction in a medical school in countries in the Region and the number of schools involved is shown in the table below, as known or communicated to WHO. The list in the table is ordered by year of first introduction in each country.

Country	Year of introduction	Number of medical schools involved
Egypt	1998	20
Iran (Islamic Republic of)	2000	3
Morocco	2000	4
Pakistan	2000	9
Sudan	2000	29
South Sudan	2001	3
Syrian Arab Republic	2002	1
Afghanistan	2005	1
Eastern Mediterranean Region		

List of schools by country

Below is the list of schools by country and year of introduction of IMCI (Integrated Management of Childhood Illness) in their teaching programmes as known to WHO.

In most cases, the WHO Regional Office has very closely and directly collaborated in this initiative with the ministries of health and the schools listed below.

The initiative has initially concerned medical schools, but it is expanding also to schools for allied health professionals.

[Afghanistan](#)

[Egypt](#)

[Iran \(Islamic Republic of\)](#)

[Morocco](#)

[Pakistan](#)

[South Sudan](#)

[Sudan](#)

[Syrian Arab Republic](#)

Afghanistan

Kabul Medical University

College of Medicine, Paediatrics

Kabul

Year of introduction of IMCI: 2005

WHO collaboration: Orientation

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Egypt

Alexandria University

Faculty of Medicine
Department of Paediatrics
Alexandria

Year of introduction of IMCI: 1999

WHO collaboration: Orientation and preliminary planning (1994) (2004); support to training evaluation of IMCI pre-service education at Alexandria University (2006)

Al Azhar University for Boys

Al Azhar Faculty of Medicine
Department of Paediatrics
Cairo

Year of introduction of IMCI: 2000

WHO collaboration: Orientation and preliminary planning (2000); support to training

Al Minya University

Al Minya Faculty of Medicine
Department of Paediatrics
Al Minya

Year of introduction of IMCI: 2000

WHO collaboration: Orientation and preliminary planning (2000) (2002); support to training

Minoufiya University

Minoufiya Faculty of Medicine
Department of Paediatrics
Minoufiya

Year of introduction of IMCI: 2001

WHO collaboration: Orientation and preliminary planning (2001); support to training

Suez Canal University

Faculty of Medicine

Department of Paediatrics

Ismailia

Year of introduction of IMCI: 2001

WHO collaboration: Orientation and preliminary planning (2001); support to training

Cairo University - Beni Suef

Beni Suef Faculty of Medicine

Department of Paediatrics

Beni Suef

Year of introduction of IMCI: 2002

WHO collaboration: Orientation and preliminary planning (2002) (2008)

Cairo University

Faculty of Medicine

Department of Paediatrics

Cairo

Year of introduction of IMCI: 2002

WHO collaboration: Orientation and preliminary planning (2002) (2005); support to training

El Mansoura University

Faculty of Medicine

Department of Paediatrics

El Mansoura

Year of introduction of IMCI: 2005

WHO collaboration: Orientation and preliminary planning (2005) (2008); support to training; evaluation of IMCI pre-service education (2009)

Ain Shams

Faculty of Medicine

Department of Paediatrics

Cairo

Year of Introduction: 2007

WHO collaboration: Orientation and planning (2008)

Al Azhar University for Girls

Faculty of Medicine

Department of Paediatrics

Cairo

Year of Introduction: 2008

WHO collaboration: Orientation and planning (2008)

Assiut University

Faculty of Medicine

Department of Paediatrics

Assiut

Year of Introduction: 2008

WHO collaboration: Orientation and planning (2008)

Banha University

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Banha

Year of Introduction: 2008

WHO collaboration: Orientation and planning (2008)

Fayoum University

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Fayoum

Year of Introduction: 2008

WHO collaboration: Orientation and planning (2008)

Sohag University

Faculty of Medicine

Department of Paediatrics

Sohag

Year of Introduction: 2008

WHO collaboration: Orientation and planning (2008)

Zagazig University

Faculty of Medicine

Department of Paediatrics

Zagazig

Year of Introduction: 2008

WHO collaboration: Orientation and planning (2008)

Al Azhar University - Assiut

Faculty of Medicine
Department of Paediatrics
Assiut

Year of Introduction: 2009

WHO collaboration: Orientation and planning (2009)

Al Azhar University - Damietta

Faculty of Medicine
Department of Paediatrics
Damietta

Year of Introduction: 2009

WHO collaboration: Orientation and planning (2009)

Misr University of Science and Technology (MUST)

Faculty of Medicine
Department of Paediatrics
Cairo

Year of Introduction: 2009

WHO collaboration: Orientation and planning (2009)

October 6th University

Faculty of Medicine
Department of Paediatrics
Cairo

Year of Introduction: 2009

WHO collaboration: Orientation and planning (2009)

South Valley University

Faculty of Medicine

Department of Paediatrics

Quena

Year of Introduction: 2009

WHO collaboration: Orientation and planning (2009)

Ministry of health nursing schools

IMCI included in the curriculum (190 schools)

Year of introduction of IMCI: 2006

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Iran (Islamic Republic of)

National IMCI pre-service training working group established

Shahid Beheshti University of Medical Sciences

Teheran

Year of introduction of IMCI:

Isfahan University of Medical Sciences

Al Zahra Medical Centre

Department of Paediatrics

Teheran

Year of introduction of IMCI:

Iran University of Medical Sciences

Ali Hospital Azghar
Department of Paediatrics
Teheran

Year of introduction of IMCI:

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Morocco

Rabat University

Medical School
Department of Paediatrics
Rabat

Year of introduction of IMCI: 2000

WHO collaboration: Orientation and planning (2000); support to training; review of progress (2002)

IMCI student's notes based on the Morocco-adapted IMCI clinical guidelines

Casablanca University

Faculty of Medicine
Department of Paediatrics
Casablanca

Year of introduction of IMCI: 2000

WHO collaboration: Orientation and planning (2000); support to training; review of progress (2002)

IMCI student's notes based on the Morocco-adapted IMCI clinical guidelines

Fes University

Faculty of Medicine
Department of Paediatrics
Fes

Year of introduction of IMCI: 2005

Marrakech University

Faculty of Medicine
Department of Paediatrics
Marrakech

Year of introduction of IMCI: 2005

Nursing schools

Agadir

Year of introduction of IMCI: 2001

Meknes

Year of introduction of IMCI: 2001

Rabat

Year of introduction of IMCI: 2003

Statt

Year of introduction of IMCI: 2004

Casablanca

Year of introduction of IMCI: 2006

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Pakistan

Chandka Medical College

Medical College

Department of Paediatrics

Department of Community Medicine

Larkana

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training

Dow Medical College

Medical College

Department of Paediatrics

Department of Community Medicine

Karachi

Year of introduction of IMCI: 2001 (Paediatrics), 2010 (Community Medicine)

WHO collaboration: Orientation (2009); planning (2010); support to training

Dow University of Health Sciences

University of Health Sciences

Department of Paediatrics

Department of Community Medicine

Karachi

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training

Ghulam Muhammad Maher Medical College

Medical College

Department of Paediatrics

Department of Community Medicine

Sukkur

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training

Liaquat University of Medical and Health Sciences

University of Medical and Health Sciences

Department of Paediatrics

Department of Community Medicine

Jamshoro

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training; evaluation (2011)

Nishtar Medical College

Multan

Year of introduction of IMCI: 1999

Peoples Medical College

Medical College

Department of Paediatrics

Department of Community Medicine

Nawab Shah

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training

Shaheed Mohtarma Benazir Bhutto Medical University

Medical College

Department of Paediatrics

Department of Community Medicine

Larkana

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training

Sindh Medical College

Medical College

Department of Paediatrics

Department of Community Medicine

Karachi

Year of introduction of IMCI: 2010

WHO collaboration: Orientation (2009); planning (2010); support to training

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South Sudan

University of Juba

Faculty of Medicine

Department of Paediatrics

Juba

Year of introduction of IMCI: 2001

Upper Nile University

Faculty of Medicine

Department of Community Medicine

Malakal

Year of Introduction: 2008

WHO collaboration: Orientation (2008)

Bahr Elghazal University

Faculty of Medicine

Department of pediatrics and Community Medicine

Wawo

Year of Introduction: 2009

WHO collaboration: Orientation (2009)

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Sudan

National Task Force on IMCI pre-service training: established in 2001

WHO collaboration: Orientation and planning (2001); support to training; review of progress (2003); orientation for 7 new schools (2008); evaluation of IMCI pre-service education at:

Khartoum University (2006);

Gezira University (2009);

International University of Africa (2012)

University of Khartoum

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of introduction of IMCI: 2001

WHO collaboration: Evaluation (2006)

University of Gezira

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Wad Medani (Gezira State)

Year of introduction of IMCI: 2001

WHO collaboration: Evaluation (2009)

University of Al Ahfad

Faculty of Medicine

Department of Paediatrics

Khartoum

Year of introduction of IMCI: 2001

Islamic University of Omdurman

Faculty of Medicine

Department of Paediatrics

Khartoum

Year of introduction of IMCI: 2002

International University of Africa

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of introduction of IMCI: 2003

WHO collaboration: Evaluation (2012)

Elneelin University

Faculty of Medicine

Khartoum

Year of introduction of IMCI: 2004

University of Wady Elneel

Faculty of Medicine

Atbara (River Nile state)

Year of introduction of IMCI: 2006

University of Kordofan

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Alobied (North Kordofan State)

Year of Introduction: 2008

WHO collaboration: Orientation (2008); support to training

University of Al Fashir

Faculty of Medicine

Department of Paediatrics

Al Fashir (North Darfour State)

Year of Introduction: 2008

WHO collaboration: Orientation (2008)

University of Kassala

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Kassala (Kassala State)

Year of Introduction: 2008

WHO collaboration: Orientation (2008)

Red Sea University

Faculty of Medicine

Department of Paediatrics

Port Sudan (Red Sea State)

Year of Introduction: 2008

WHO collaboration: Orientation (2008)

University of Alzaem Alazhary

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of Introduction: 2008

WHO collaboration: Orientation (2008); support to training

University of Shandy

Faculty of Medicine

Department of Community Medicine

Shandy (River Nile state)

Year of Introduction: 2009

WHO collaboration: Orientation (2009)

Dongola University

Faculty of Medicine

Department of Community Medicine

Dongola(Northern state)

Year of Introduction: 2009

WHO collaboration: Orientation (2009)

Sinnar University

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Sinnar (Sinnar state)

Year of Introduction: 2009

WHO collaboration: Orientation (2009)

Elimam Elmahdi University

Faculty of Medicine

Department of Paediatrics
Department of Community Medicine
Kosti(White Nile state)

Year of Introduction: 2009
WHO collaboration: Orientation (2009)

Bakht Errida University

Faculty of Medicine
Department of Paediatrics
Eldoweem (White Nile state)

Year of Introduction: 2009
WHO collaboration: Orientation (2009)

Science and Technology University

Faculty of Medicine
Department of Paediatrics
Khartoum

Year of Introduction: 2009
WHO collaboration: Orientation (2009)

National College

Faculty of Medicine
Department of Paediatrics
Department of Community Medicine
Khartoum

Year of Introduction: 2009
WHO collaboration: Orientation (2009)

El Rebat University

Faculty of Medicine
Department of Paediatrics
Department of Community Medicine
Khartoum

Year of Introduction: 2009
WHO collaboration: Orientation (2009)

University of Bahary
Faculty of Medicine
Department of Paediatrics
Khartoum

Year of Introduction: 2001 (University of Juba, Juba), 2008 (Upper Nile University, Malakal),
2009 (Bahr Elghazal University, Wawo)
WHO collaboration: Orientation (2001, 2008, 2009)

Gedarif University

Faculty of Medicine
Department of Paediatrics
Department of Community Medicine
Gedarif

Year of Introduction: 2012
WHO collaboration: Orientation (2012)

Nile Medical College

Faculty of Medicine
Department of Paediatrics
Department of Community Medicine
Khartoum

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

Alrazi college of Medical Science and Technology

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

International Sudan University

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

University of Medical Science and Technology

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

Khartoum College of Medical Science

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

Yarmok College

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Khartoum

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

West Kordofan University

Faculty of Medicine

Department of Paediatrics

Department of Community Medicine

Kordofan

Year of Introduction: 2012

WHO collaboration: Orientation (2012)

**National Health Academy and
4 State Medical Assistant schools
Academy of Health Sciences (White Nile Branch)**

Kosti

Year of Introduction: 2008

WHO collaboration: Orientation (2008)

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Syrian Arab Republic

Lattakia University *

Faculty of Medicine

Department of Paediatrics

Lattakia

Year of introduction of IMCI: 2002

WHO collaboration: Orientation (2002)

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