



# Innovations in Hand Hygiene Promotion Worldwide

**Professor Didier Pittet**, MD, MS,

Former Director, Infection Control Programme

& WHO Collaborating Centre on Infection Prevention & Control and Antimicrobial Resistance

University of Geneva Hospitals and Faculty of Medicine,

Geneva, Switzerland

*CleanHandsInnovationsInPromotion/Rio de Janeiro, Brazil,  
October 31-November 2, 2022*



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FACULTÉ DE MÉDECINE





**World Health  
Organization**

# Outline

- The Hand Hygiene Excellence Award
- Train-the-Trainers (TTT) in Hand Hygiene
- The Global Hand Sanitizing Relay
- Engage with the community:  
#CleanMatters / Turn Africa Orange
- Dancing and singing:  
Hand Hygiene Dance / It's in Your Hands

# Outline

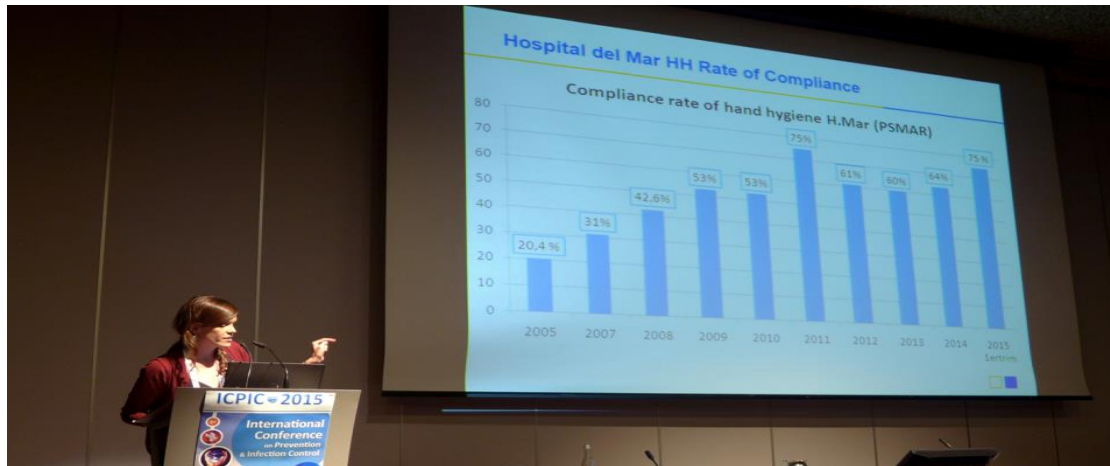
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# The Hand Hygiene Excellence Award



# AWARD FOR HAND HYGIENE EXCELLENCE

- Awarding active and engaged IPC professionals
- **Sharing expertise**
- Identifying **role models** & encouraging **leadership**



# National leadership

## Hand hygiene excellence award winner: spreading the experience countrywide in Romania

A Moldovan<sup>1\*</sup>, M Capilna<sup>2</sup>, I Cotoara<sup>1</sup>, B Moldovan<sup>3</sup>

*“As HHEA winner, our institution contributes to spread infection control in Romania.*

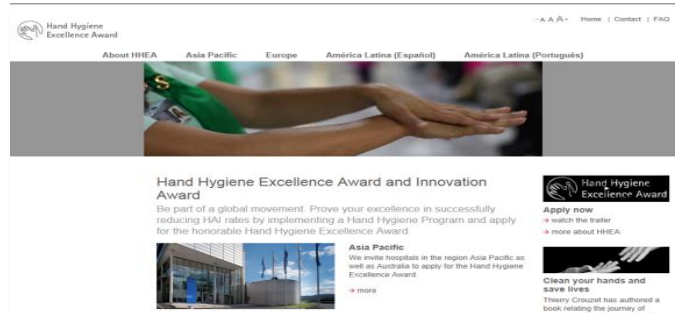
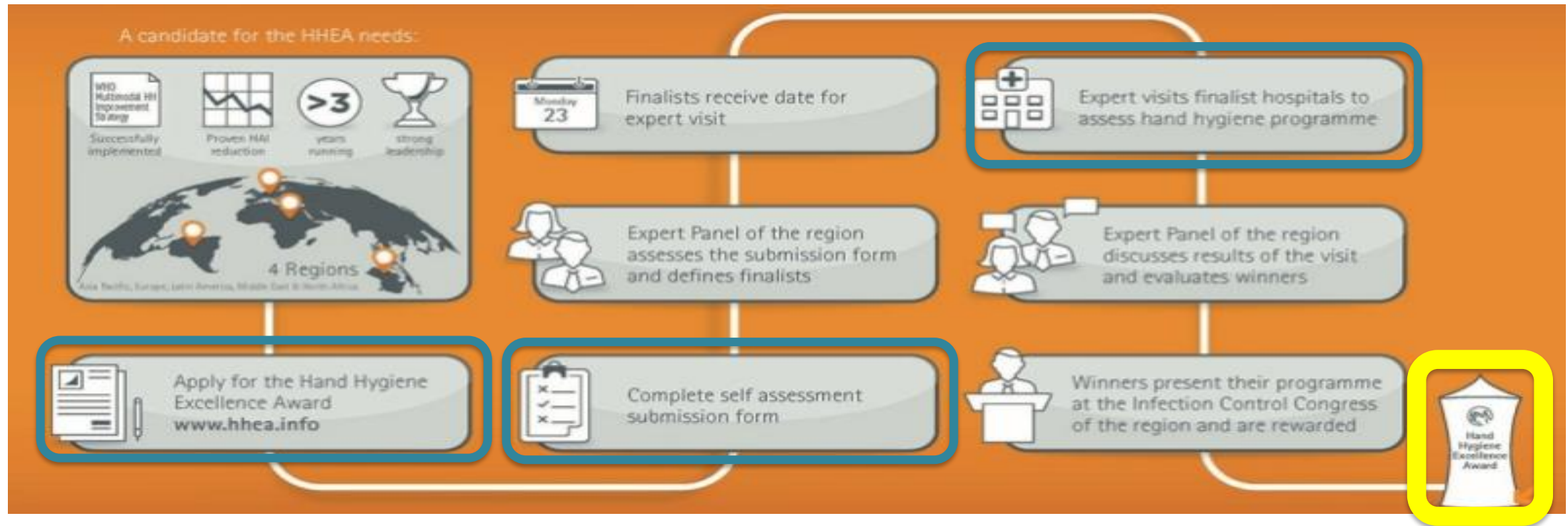
*Our experience verifies the idea of considering hand hygiene as the entrance door to infection control.”*

# WHO CAN APPLY?

1. Successfully applied the WHO multimodal strategy
2. Show decreasing HAI rates
3. At least 3 years of sustainability
4. Strong leadership



# HOW TO APPLY?



## Hand Hygiene Self-Assessment Framework 2010

Introduction and user instructions

The **Hand Hygiene Self-Assessment Framework** is a systematic tool with which to obtain a situation analysis of hand hygiene promotion and practices within an individual health-care facility.

### What is its purpose?

While providing an opportunity to reflect on existing resources and achievements, the **Hand Hygiene Self-Assessment Framework** also helps to focus on future plans and challenges. In particular, it acts as a diagnostic tool, identifying key issues requiring attention and improvement. The results can be used to facilitate development of an action plan for the facility's hand hygiene promotion programme. Repeated use of the **Hand Hygiene Self-Assessment Framework** will also allow documentation of progress with time.

**Intermediate:** an appropriate hand hygiene promotion strategy is in place and hand hygiene practices have improved. It is now crucial to develop long-term plans to ensure that improvement is sustained and progresses.

**Advanced:** hand hygiene promotion and optimal hand hygiene practices have been sustained and/or improved, helping to embed a culture of safety in the health-care setting. Leadership criteria have also been identified to recognise facilities that are considered a reference centre and contribute to the promotion of hand hygiene through research, innovation and information sharing. The assessment according to leadership criteria should only be undertaken by facilities having reached the Advanced level.



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# HAND HYGIENE EXCELLENCE AWARD

## TAKING THE WORLD...



**Asia Pacific**  
since 2010



**Europe**  
since 2012



**Latin America**  
since 2014



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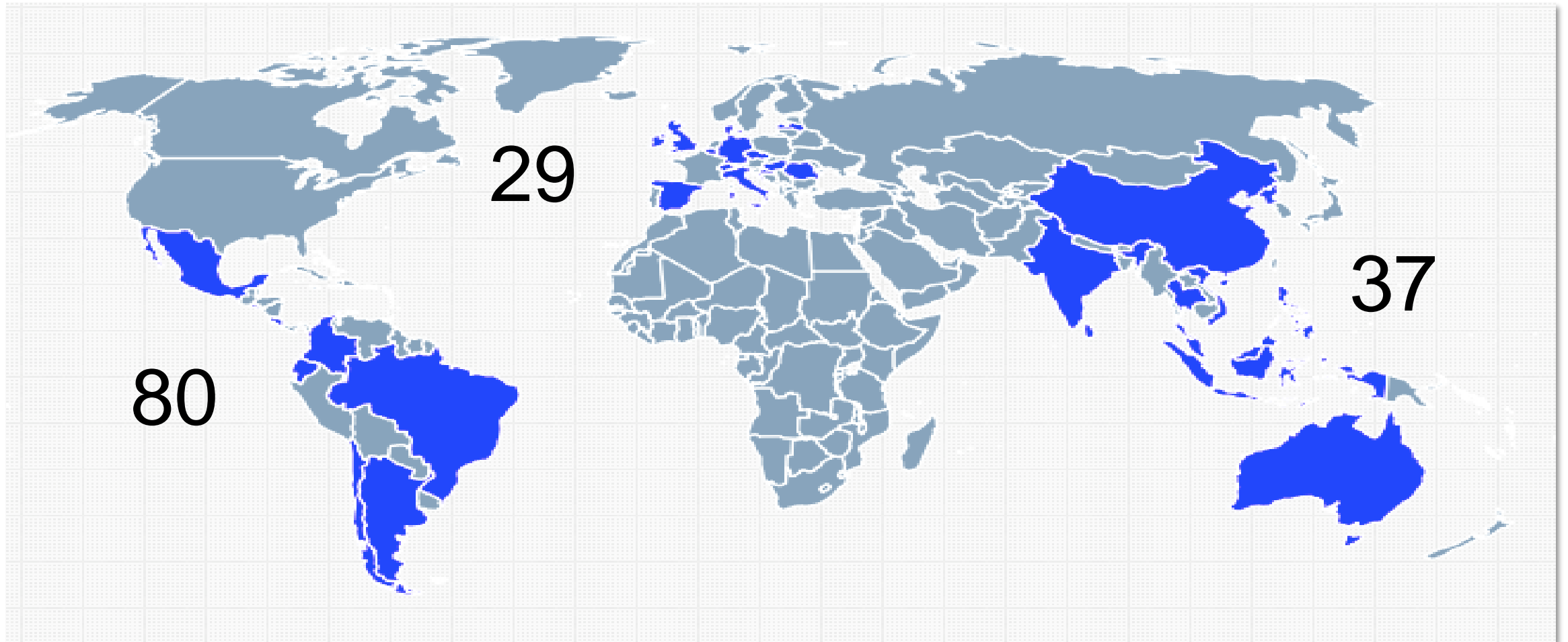
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# In Middle East and North Africa in 2017

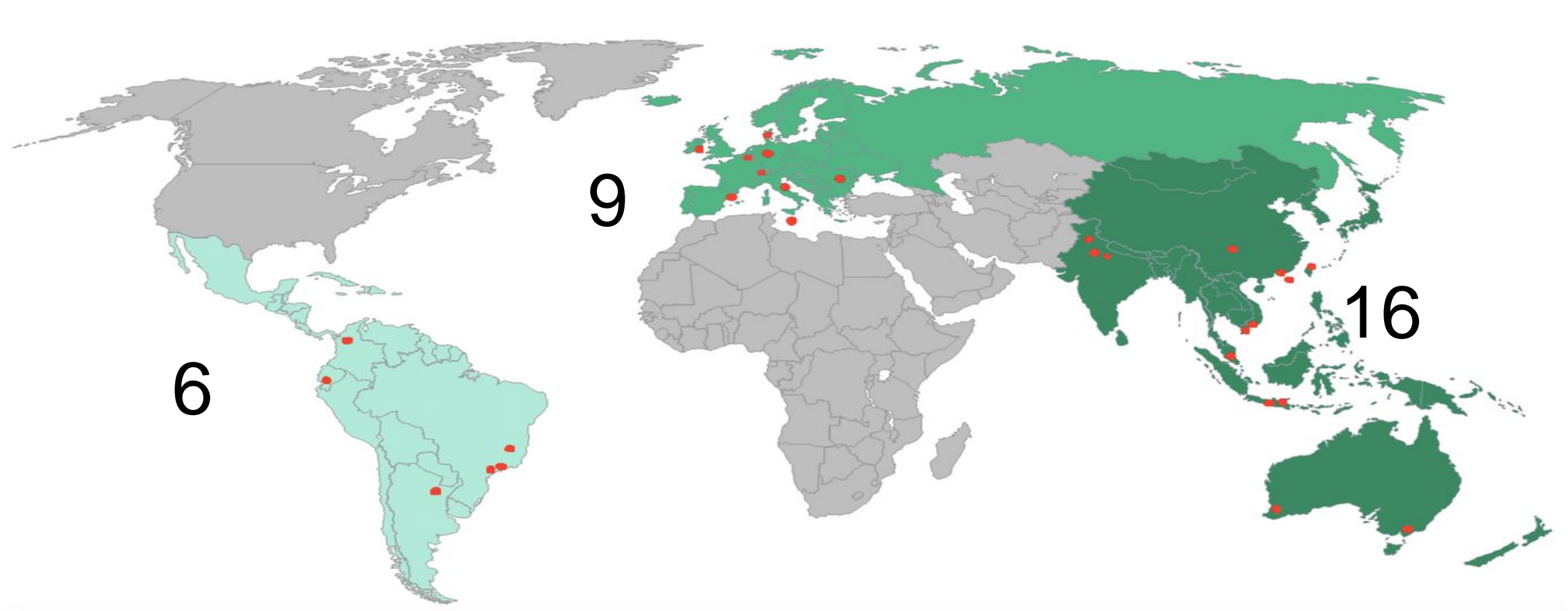


# HHEA APPLICATIONS



146 hospitals from 35 countries

# HAND HYGIENE EXCELLENCE AWARDS



31 winners from 22 countries

Up to 2017



16 winners

#### Winners 2015

**Benh vien Dai Hoc Y Duoc**  
Hồ Chí Minh City, Vietnam  
**Fortis Hospital, Mohali**  
Punjab, India  
**RS Premier Jatinegara**  
Jakarta, Indonesia  
**Jai Prakash Narayan Apex**  
**Trauma Center, AIIMS**  
New Delhi, India

#### Winners 2014

**Prince of Wales Hospital**  
Shatin, Hong Kong  
**Hung Vuong Hospital**  
Ho Chi Minh City, Vietnam

#### Winners 2013

**Assunta Hospital**  
Ehsan, Malaysia  
**Siloam Hospitals Surabaya**  
Surabaya, Indonesia

#### Winners 2012

**Bethesda Hospital**  
Claremont, Australia  
**West China Hospital**  
**of Sichuan University**  
Chengdu, China  
**Cho Ray Hospital**  
Ho Chi Minh City, Vietnam  
**Hong Kong Baptist Hospital**  
Kowloon, Hong Kong

#### Winners 2011

**Dr Sardjito General Hospital**  
Yogyakarta, Indonesia  
**National Taiwan**  
**University Hospital**  
Taipei City, Taiwan

#### Winners 2010

**Artemis Health Institute**  
Gurgaon, India  
**Monash Medical Centre**  
Clayton, Australia

Up to 2017

### Winners 2017

**Hôpital neuchâtelois**  
(*Innovation award*)  
Neuchâtel, Switzerland

**Nordsjællands Hospital**  
Hillerød, Denmark

**AZ Jan Palfijn Gent**  
Gent, Belgium

### Winners 2015

**Mater Dei Hospital**  
Msida, Malta

**Parc de Salut Mar**  
Barcelona, Spain

### Winners 2014

**St. Elisabeth-Hospital Beckum**  
Beckum, Germany

**AUSL Romagna**  
Rimini, Italy

### Winners 2013

**Mater Private Hospital**  
Dublin, Ireland

**Spitalul Sf. Constantin**  
Braşov, România

**9 winners**



Up to 2017



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### Winners 2016

#### **Hospital Alemão Oswaldo Cruz**

São Paulo, Brazil

#### **Hospital Escuela Gral. José Francisco de San Martín**

Corrientes, Argentina

#### **Hospital de Niños Roberto Gilbert**

Guayaquil, Ecuador

#### **Hospital General de Medellin – Luz Castro de Gutierrez E.S.E**

Medellin, Colombia

### Winners 2014

#### **Hospital e Maternidade Santa Joana**

São Paulo, Brazil

#### **Hospital Mater Dei**

Minas Gerais, Brazil

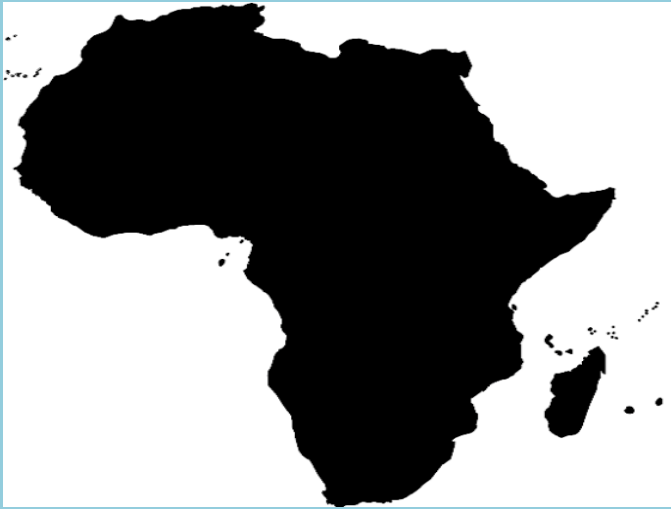
**6 winners**

Up to 2017



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# In Africa in 2018



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# Hand Hygiene Excellence Award Video (short)

[www.tinyurl.com/HHEAward](http://www.tinyurl.com/HHEAward)

# Lessons learned from HHEA winners

- Stay focused
- Wide stakeholder involvement
- Engagement and ownership
- Ability to customize interventions to the local situation and culture
- Continuous feedback to all stakeholders
- Visibility and support in the clinical areas



Be the next  
hand hygiene  
excellence award  
hospital!



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# Train-the-Trainers: a standardized approach to hand hygiene training



Daniela Pires, Ermira Tartari, Carolina Fankhauser, Marcela Hernandez, Sara Masson-Roy, Josiane Stzajel-Bossiard, Américo Agostinho, Fernando Bellissimo-Rodrigues, Didier Pittet



TRAIN THE  
TRAINERS

# HAND HYGIENE



## COURSE PROGRAMME:

### DAY 1

- 09:00** Registration
- 09:30** Welcome and introduction to the TTT concept  
*Chair: Professor Didier Pittet*  
Pre-course evaluation questionnaire
- 10:00** Pre-course evaluation questionnaire
- 10:45** COFFEE BREAK
- 11:15** Global Burden of Health Care-Associated Infections
- 12:00** The start of Hand Hygiene promotion in Geneva and going Global – the story behind the success
- 13:00** LUNCH
- 14:00** WHO Multimodal Hand Hygiene Improvement Strategy
- 14:45** "My 5 moments for Hand Hygiene" direct monitoring
- 16:00** COFFEE BREAK
- 16:30** "My 5 moments for Hand Hygiene" with practical application in clinical scenarios and group discussion (based on audio-visual tools and video reviewing)

### DAY 2

- 09:00** WHO Hand Hygiene Self-Assessment Framework  
How to complete the HHSAF?
- 11:00** COFFEE BREAK
- 11:30** How to challenge the campaign fatigue?  
Innovations in Hand Hygiene promotion worldwide
- 12:30** LUNCH
- 13:30** Simulation based clinical scenarios  
Bedside teaching with simulated patients, with role-play performance in groups
- 15:30** COFFEE BREAK
- 16:00** Simulation based clinical scenarios  
Bedside teaching with simulated patients, with role-play performance in groups
- 18:00** WRAP-UP OF THE DAY

### DAY 3

- 09:00** What's new in Hand Hygiene?
- 10:00** Action plan World café - building a hand hygiene action plan: working in groups  
  
Group discussion and presentation from course participants  
  
What is the action plan to be implemented following the TTT training? "What have I learned, what will I share and how to implement?"
- 10:30** COFFEE BREAK
- 11:00** Experiences and challenges in Hand Hygiene  
*Participants' presentations and discussion*
- 13:00** LUNCH
- 14:30** Post-course evaluation questionnaire
- 16:30** COFFEE BREAK
- 17:00** Certificate giving ceremony





# Train-the-trainers in hand hygiene

- **Standardized approach to guide hand hygiene training at the national or regional level for IPC experts**
- **Harmonize elements of competence in HH**
- **Foment regional or national networks of cooperation and leadership**
- **Fight “campaign fatigue”**



# TTT in hand hygiene: **structure**

- Based on the WHO HH multimodal strategy
  1. Lectures and round tables
  2. Hands-on-simulation training
  3. Sharing of experiences
  4. Evaluation of knowledge pre-post course



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# 1. Lectures and round tables

- Burden of healthcare-associated infections
- Multimodal improvement strategies
- Approaches dealing with campaign fatigue
- Updates on HH research





## 2. Hands-on-training

- **Focus on direct monitoring of HH compliance and feedback:**
  - visual **video reviewing** of clinical scenarios
  - **role-plays** (organization of work, monitoring & feedback)



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### 3. Sharing of experiences

- Participants presentation of their own experiences, problems and solutions
- Learning from others success and failure stories





## 4. HH knowledge, attitude and behaviour questionnaire (pre & post)

- HAI and HH knowledge
- Beliefs and attitudes towards hand hygiene
- Clinical scenarios questions
- Assess improvement before – after the course



- Brazil
- Spain
- Mexico
- Malaysia
- South Africa
- Iran
- Thailand, Mexico and more.....

# Case examples



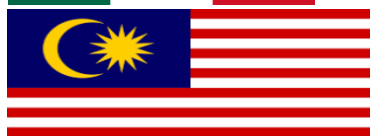
2015



2016



2016, 2017 (2)



2017



2017



2017



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# Rio de Janeiro, Brazil, 2015



## Train the Trainers

Rio de Janeiro, 23-25.02.2015

Windsor Atlantica Hotel  
Av. Atlantica, 1020 - Copacabana

Chair: Prof. Didier Pittet, MD, MS, CBE

Collaborators/Faculties: Americo Agostinho, RN, MS  
Fernando Bellissimo Rodrigues, MD, PhD

3-day course  
33 IPC experts

D. Pittet, F. Bellissimo-Rodrigues, A. Agostinho

**POSTER PRESENTATION**

**Open Access**

# Train the trainers: replicating the message of hand hygiene promotion through the training of national experts, preliminary results

F Bellissimo-Rodrigues<sup>1,2\*</sup>, A Agostinho<sup>1,2</sup>, D Pittet<sup>1,2</sup>

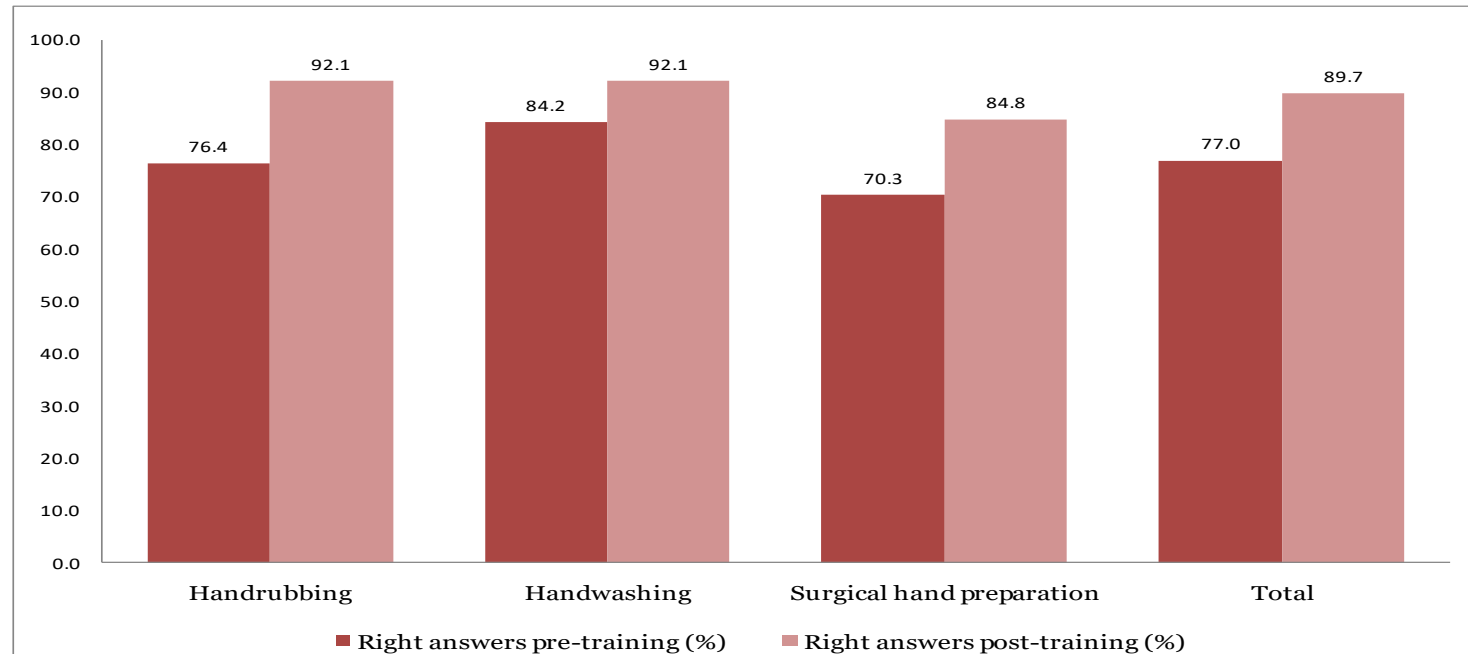
*From* 3rd International Conference on Prevention and Infection Control (ICPIC 2015)  
Geneva, Switzerland. 16-19 June 2015

## **Impact on the knowledge of participants about Hand Hygiene:**

- Correct answers (overall): 77.0% before vs. 89.7% after the course ( $p < 0.001$ )
- Handrubbing: 88.2% before vs. 92.1% after the course ( $p < 0.001$ )
- Handwashing: 76.4% before vs. 92.1% after the course ( $p = 0.029$ )
- Surgical hand preparation: 70.3% before vs. 84.9% after the course ( $p < 0.001$ )



# Rio de Janeiro, Brazil

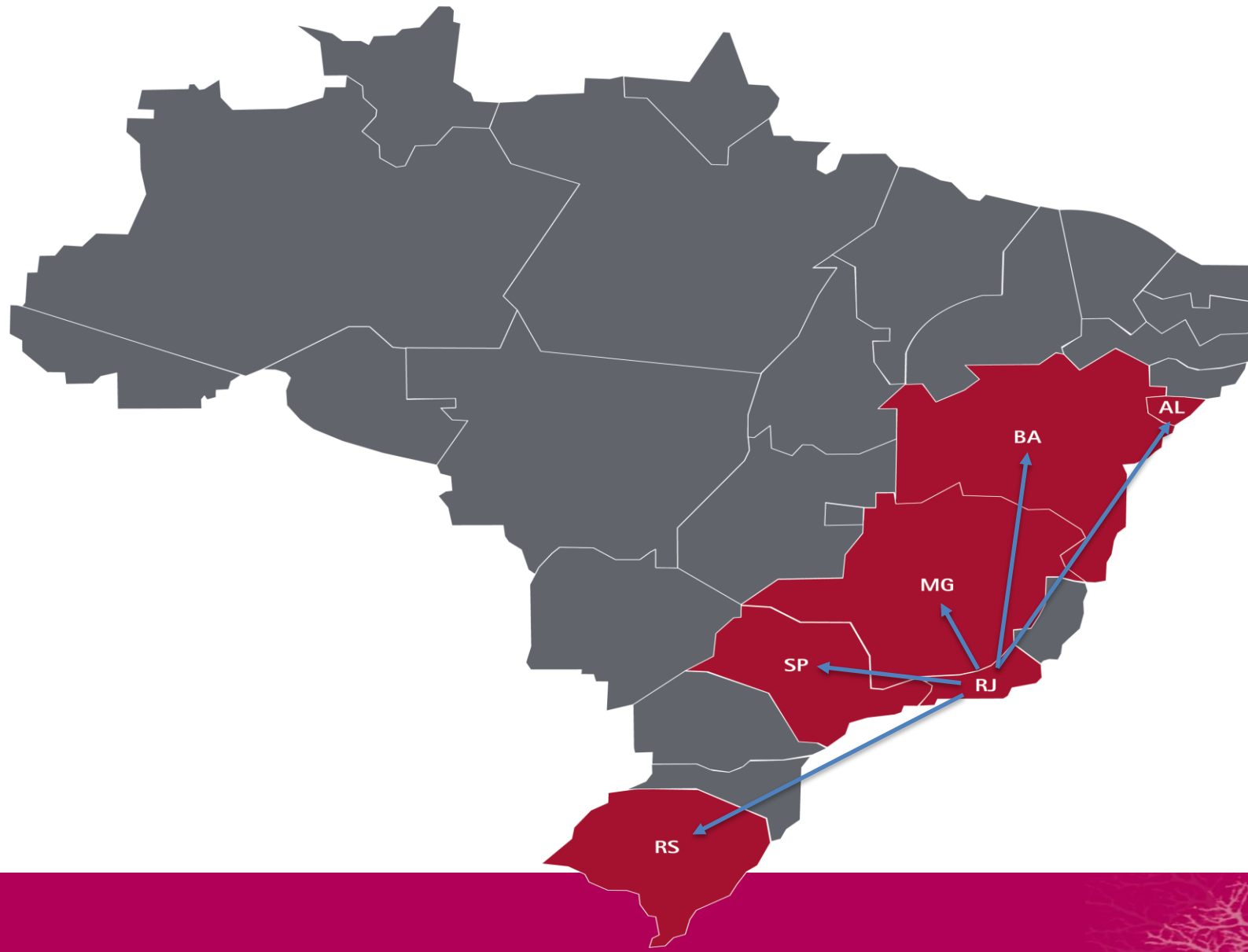


Overall, the rate of correct answers was 77.0% before and 89.7% after the course ( $p < 0.001$ ).

# The first TTT in Brazil



# After the first training in Rio...



## TRAIN THE TRAINERS COURSES

Aesculap Academy Brazil

Date	Local	Number of Participants
<b>2015</b>		
Feb 23-25	Rio de Janeiro	40
April 15	Rio de Janeiro	32
June 10	Belo Horizonte	49
April 13	São Paulo	60
August 19	Salvador	72
<b>2016</b>		
October 14	Maceió	79
Nov 9-12	Belo Horizonte (Conference)	140
<b>2017</b>		
May 26	Gramado Congress	106
September	São Paulo	229
<b>Total participants</b>		<b>807</b>

# TRAIN THE TRAINERS COURSES

2015-2017 BRAZIL



Workshop November, 16th 2016 BH

# Madrid, Spain, 2016



2-day course  
21 IPC experts  
15 hospitals

D. Pires, M. Hernandez,  
C. Fankhauser

## 1<sup>er</sup> CURSO TRAIN THE TRAINERS MONITORIZACIÓN Y OBSERVACIÓN DE LA HIGIENE DE MANOS



Madrid, 3-4 junio de 2016

Euroforum Palacio de los Infantes  
Calle del Rey, 38  
28200 San Lorenzo del Escorial



### VIERNES 3 DE JUNIO

- 10:00** Bienvenida, entrega documentación y registro.
- 10:30** Cuestionario de evaluación antes del curso.
- 11:00** Carga global de las Infecciones Relacionadas con la Atención Sanitaria. Daniela Pires, MD.
- 11:30** El inicio de la promoción de la higiene de manos en Ginebra y su globalización. Carolina Fankhauser, MS.
- 12:30** Estrategia Multimodal de la mejora en la higiene de manos de la OMS. Marcela Hernández, MD.
- 13:30** Almuerzo en el hotel.
- 14:30** Marco de Autoevaluación de la Higiene de Manos de la OMS; Premio a la Excelencia en la Higiene de Manos y Relevancia de la Higiene de Manos de la OMS. Carolina Fankhauser, MS.
- 15:00** "Mis cinco momentos para la higiene de manos" concepto y monitorización. Marcela Hernández, MD.
- 16:30** Pausa Café.
- 17:00** Videos de formación en higiene de manos y discusión.
- 18:30** ¿Qué hay de nuevo en la higiene de manos? Daniela Pires, MD.
- 19:00** Discusión.
- 21:00** Cena Restaurante Genara. Plaza de San Lorenzo, 2.

### SÁBADO 4 DE JUNIO

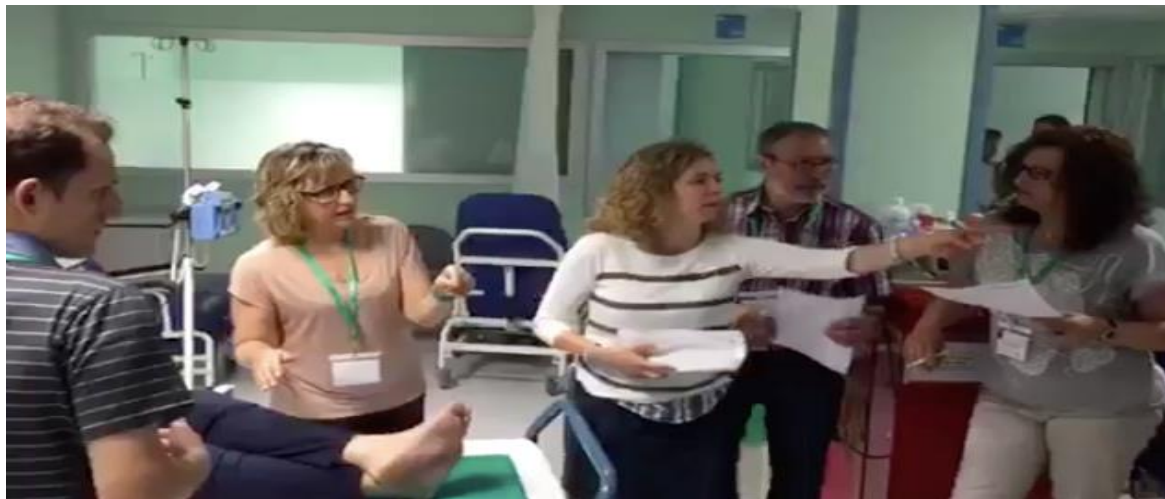
- 09:00** Practicas en el Hospital parte I : Juego de roles por grupos.
- 10:30** Pausa Café.
- 11:00** Practicas en el Hospital parte II : Juego de roles por grupos.
- 13:30** Almuerzo en el hotel.
- 14:30** Relatos de logros y desafíos en la higiene de manos. Presentaciones de los participantes.
- 16:30** Pausa Café.
- 17:00** Discusión final.
- 17:30** Cuestionario de evaluación final.
- 18:00** FIN CURSO.



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# Madrid, Spain



<https://www.youtube.com/watch?v=xjA0FnftRUI>

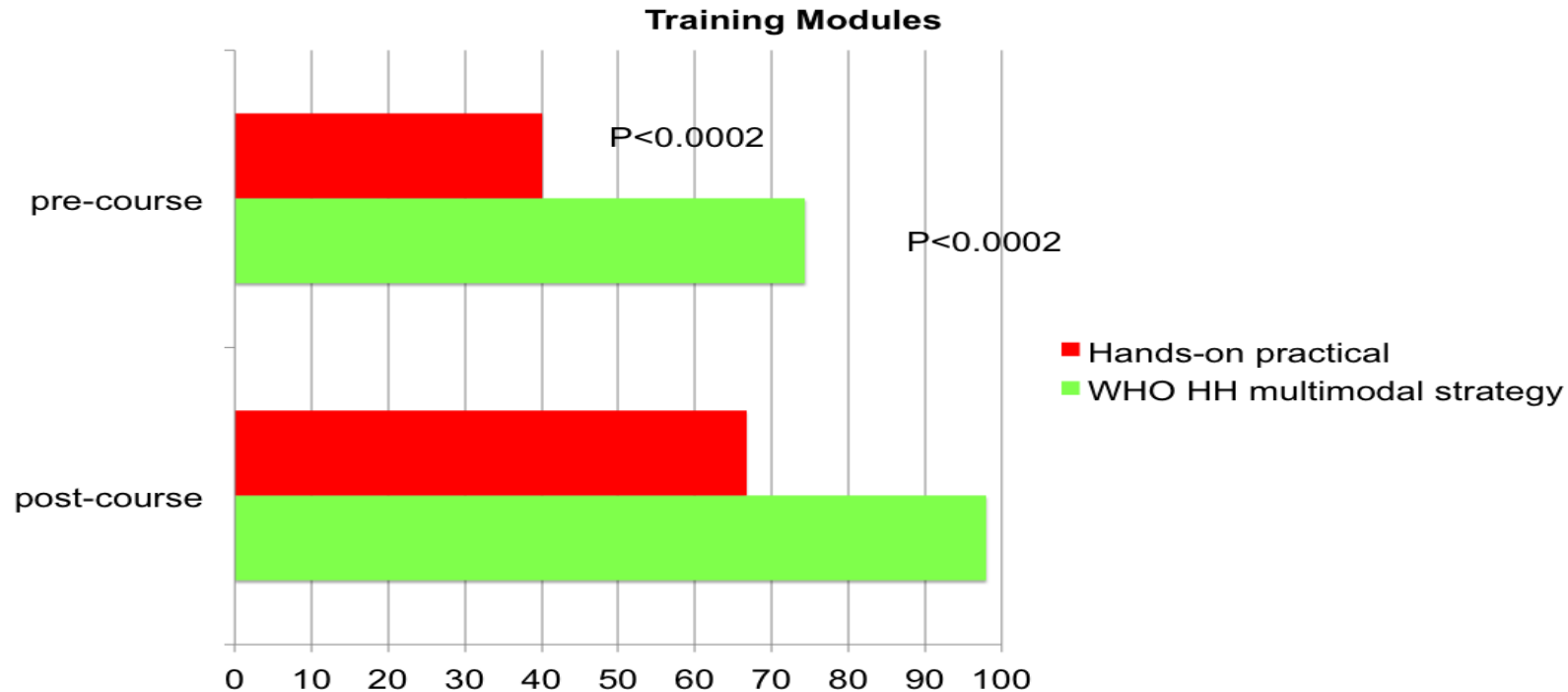


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# Madrid, Spain



53% (8/15) hospitals had a programme of training and validation of HH observers

67% (10/15) had a strategy in place for regular HH education of HCWs

# Puebla, Mexico, 2017



3-day course  
22 IPC experts

12 doctors, 10 nurses

Agostinho, M. Hernández,  
C. Frankhauser, D. Pittet



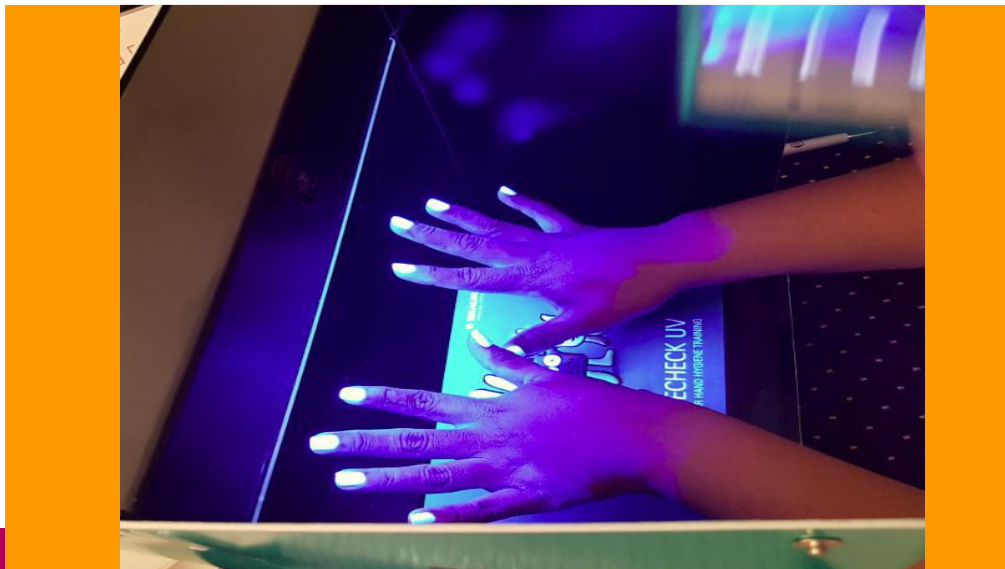
**TRAIN THE TRAINERS:  
FORMACIÓN DE LÍDERES EN LA IMPLEMENTACIÓN  
DE LA ESTRATEGIA MULTIMODAL DE LA OMS  
PARA LA MEJORA EN LA HIGIENE DE LAS MANOS**

La lucha contra la resistencia a los  
antibióticos está en tus manos.

9-12 Abril 2017 | Puebla | México  
Hotel Quinta Real Puebla



# Puebla, Mexico



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# Train The Trainers in Puebla, April 2017



## TRAIN THE TRAINERS: FORMACIÓN DE LÍDERES EN LA IMPLEMENTACIÓN DE LA ESTRATEGIA MULTIMODAL DE LA OMS PARA LA MEJORA EN LA HIGIENE DE LAS MANOS

La lucha contra la resistencia a los  
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9-12 Abril 2017 | Puebla | México  
Hotel Quinta Real Puebla



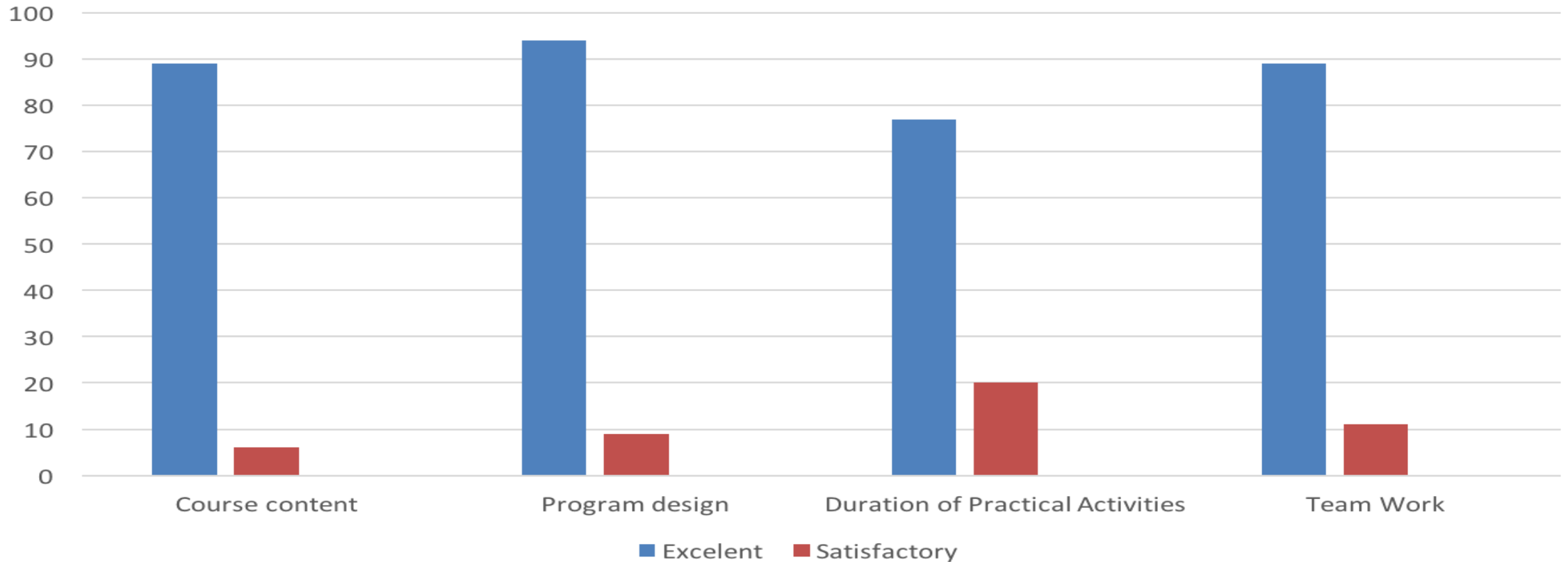
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# Puebla, Mexico



Mexico TTT Feedback in percentage.



Immediate feedback from participants

# Jalisco, Mexico, 2017



## 2.5 day course

Agostinho, M. Hernández,  
C. Frankhauser, D. Pittet

# Train The Trainers Jalisco, November 2017

Public and private institution in the state

22 nurses

20 doctors

2 nutritionists

4 public health professionals

1 marketing professional

TOTAL: 49 participants



SALUD



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INSTITUTO DE SEGURIDAD  
Y SERVICIOS SOCIALES DE LOS  
TRABAJADORES DEL ESTADO



HGO  
HOSPITAL  
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# TRAIN THE TRAINERS

“Formación de Líderes en la Implementación de la Estrategia Multimodal de la OMS para la Mejora de la Higiene de Manos”

Connect Through Life

**SARAYA** México

Noviembre 08 09 y 10, 2017  
Sede: Hotel Holiday Inn Express Guadalajara Expo



Hospitales Civiles  
de Guadalajara



Hora	Miércoles 8 de noviembre 2017
15:00 - 15:30	Comida y Registro de Asistencia
15:30 - 16:00	Inauguración
16:00 - 17:00	Cuestionario de Evaluación Inicial (Antes del curso) <i>Equipo HUG IPC</i>
17:00 - 17:30	Carga de las Infecciones relacionadas con la atención sanitaria <i>Americo Agostinho RN</i>
17:30 - 18:30	El inicio de la promoción en la higiene de manos en Ginebra y su globalización <i>Carolina Fankhauser MSc</i>
18:30 - 19:30	Clean Hands Film y Firma de Libros Clean Hands Save Lives <i>Prof. Didier Pittet</i>
19:30 - 20:00	Discusión primer día
Hora	Jueves 9 de noviembre 2017
08:00 - 08:30	Registro de Asistencia
08:30 - 9:30	Innovaciones en la promoción de Higiene de Manos alrededor del mundo: Premio a la Excelencia en la Higiene de Manos Relevo de la Higiene de Manos “La lucha contra la resistencia a los antibióticos está en sus manos” <i>Prof. Didier Pittet</i>
09:30 - 10:45	Marco de Autoevaluación de la Higiene de Manos de la OMS <i>Carolina Fankhauser MSc</i>
10:45 - 11:15	Receso
11:15 - 12:45	Promoción de la Higiene de Manos alrededor del mundo: “La lucha contra la resistencia a los antibióticos está en sus manos” 5 de mayo 2017 y “World Antibiotic Resistance Awareness Week” <i>Prof. Didier Pittet</i>
12:45 - 14:15	Estrategia Multimodal de la mejora en la higiene de manos de la OMS <i>Dra. Marcela Hernández</i>
14:15 - 15:00	Mis 5 Momentos para la Higiene de Manos: Concepto y monitorización Parte I <i>Dra. Marcela Hernández / Carolina Fankhauser MSc</i>
15:00 - 16:00	Comida
16:00 - 16:45	Mis 5 Momentos para la Higiene de Manos: Concepto y monitorización Parte II <i>Dra. Marcela Hernández / Carolina Fankhauser MSc</i>
16:45 - 19:30	Mis 5 Momentos para la Higiene de Manos: Videos de formación y discusión <i>Carolina Fankhauser MSc</i> <i>Americo Agostinho RN</i> <i>Dra. Marcela Hernández</i> <i>Dra. Hilda Márquez</i> <i>Dra. Roxana Trejo</i> <i>Dra. Silvia Rodríguez</i> <i>Dra. Lillia Côté</i>
19:30 - 20:00	Discusión segundo día



Hora	Viernes 10 de noviembre 2017
08:00 - 08:30	<b>Registro de Asistencia</b> <b>Relatos de logros y desafíos en Higiene de Manos</b> <b>Presentación de los participantes y Discusión</b>
	1. <i>Equipo Estatal de Prevención y Control de Infecciones de Secretaría de Salud</i> 2. <i>Hospital General de Occidente</i> 3. <i>Hospital Regional La Barca</i> 4. <i>IMSS</i>
08:30 - 9:45	5. <i>Hospital Regional Valentín Gómez Farías</i> 6. <i>Hospitales Civiles de Guadalajara</i> 7. <i>Hospital San Javier</i> 8. <i>Hospital Real San José</i> 9. <i>Hospital Country 2000</i>
	<i>8 minutos cada uno (5 minutos presentación y 3 minutos discusión)</i>
09:45 - 10:15	<b>Monitoreo de la Higiene de Manos</b> <b>Juego de Roles</b> <b>Revisión del escenario clínico en cada grupo</b> <b>Distribución de los roles según el escenario</b> <b>Primera interpretación dentro del mismo grupo</b> <b>Los participantes de cada uno de los 7 grupos</b> <b>Cada grupo podrá contar con el apoyo de un Instructor</b>
10:15 - 10:45	<b>Finalización de los detalles de la presentación</b>
10:45 - 11:15	<b>Receso</b> <b>Presentación del Juego de Roles y Discusión</b> (25 minutos por grupo: Presentación 10 min y Discusión 15 min)
11:15 - 12:30	<i>Grupos 1 al 3</i>
12:30 - 14:10	<i>Grupos 4 al 7</i>
14:10 - 14:30	<b>Lecciones aprendidas</b> <i>Carolina Fankhauser MSc</i>
14:40 - 15:00	<b>Conclusiones</b> <i>Todos los instructores</i>
15:00 - 16:00	<b>Comida</b>
16:00 - 17:00	<b>Evaluación Final (Después del curso)</b> <i>Equipo HUG IPC</i>
17:00 - 17:30	<b>Agradecimiento y acuerdos de seguimiento</b> <b>Mensaje de Clausura</b> <i>Secretaría de Salud Jalisco</i>





# Train-The-Trainers Jalisco November 2017

TRAIN THE TRAINERS  
"Formación de Líderes en la implementación de la  
Estrategia Multimodal de la OMS para la Mejora de la  
Higiene de Manos"



***Manos Limpias, Salvan Vidas!***

10/11/2017



**#JaliscoConCalidad**



November 2017- Jalisco, México



# Kuching, Malaysia, 2017

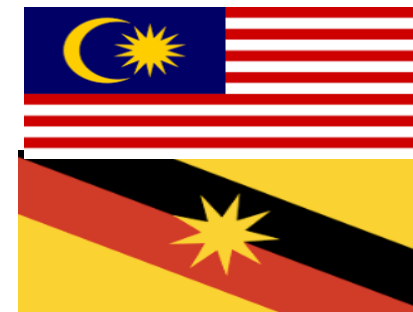


## 3-day course

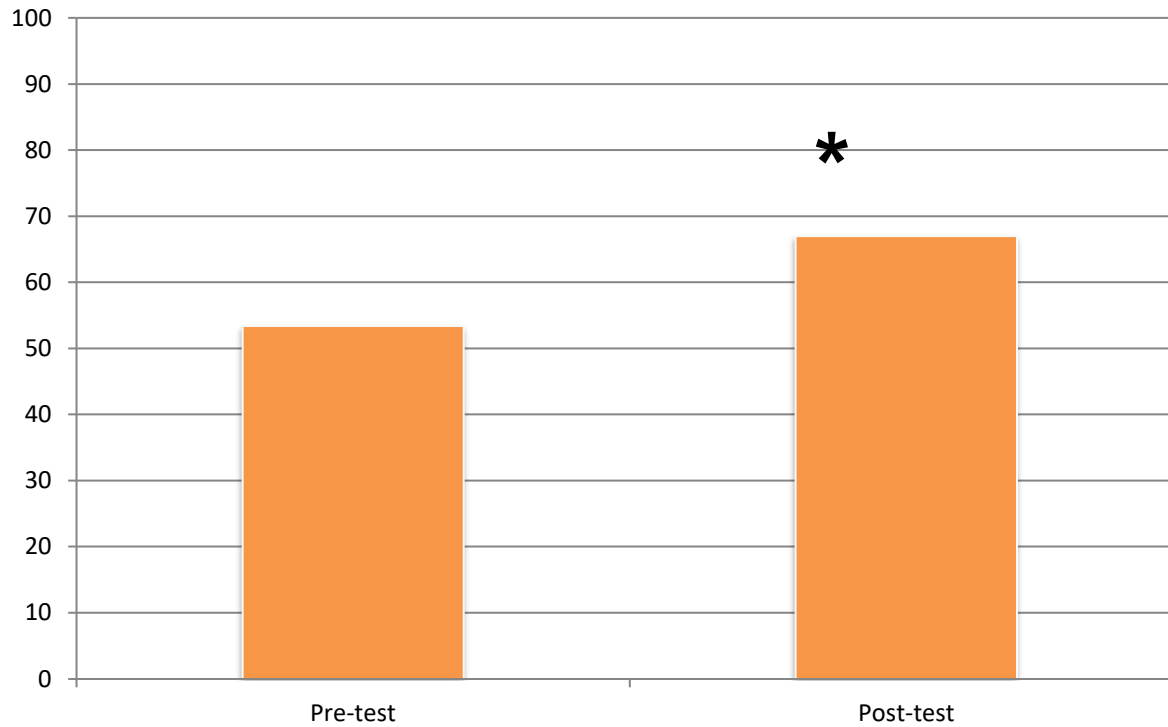
E. Tartari, C. Fankhauser, Sarah Masson-Roy  
D. Pittet

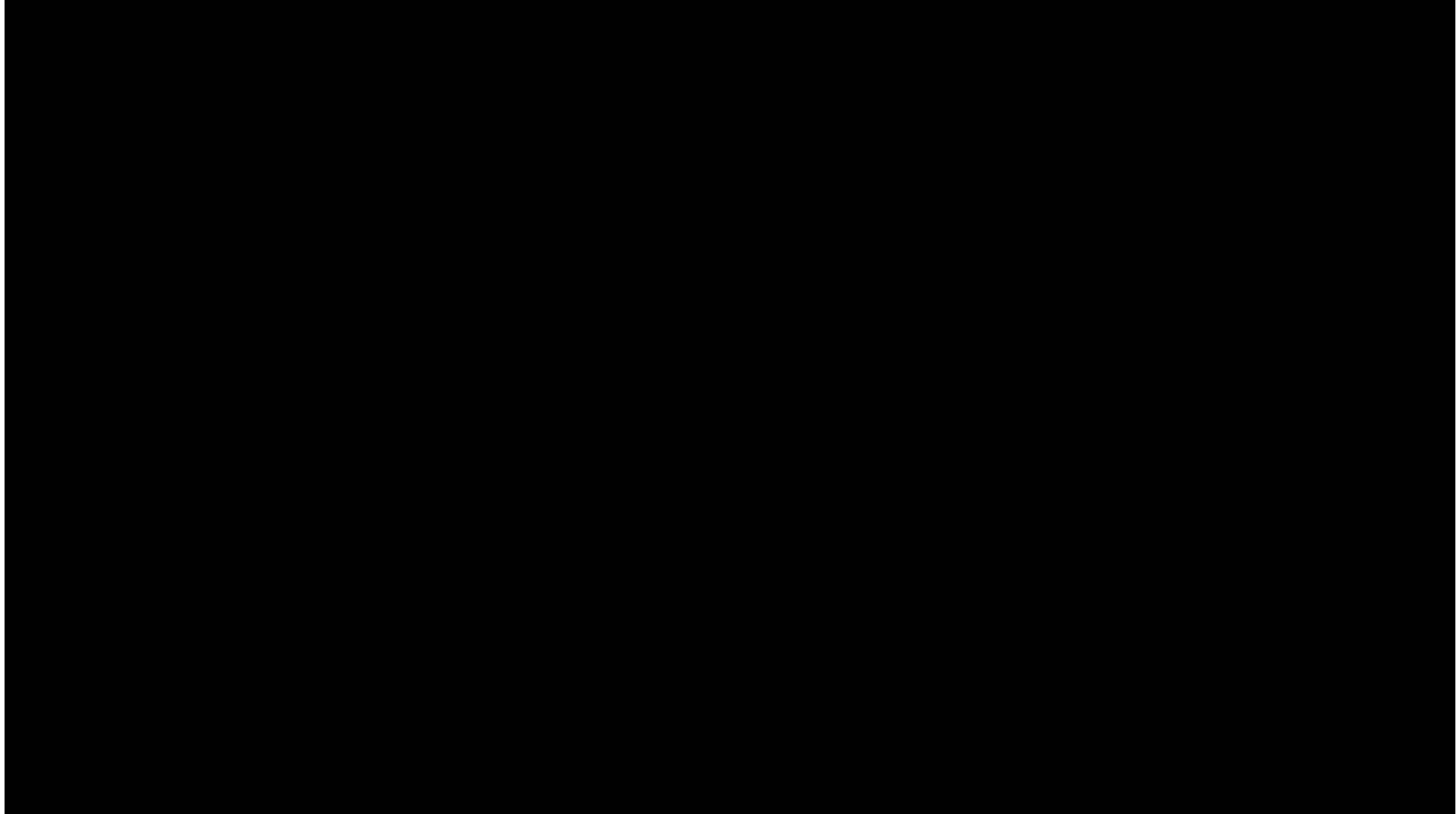
Lead and supported by Ministry of Health  
Political commitment  
80 participants  
14 states, 28 hospitals  
3 from Ministry of Higher Education

# Kuching, Malaysia, 2017



# Kuching, Malaysia, 2017





TTT Kuching, Malaysia 2017



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Genève  
L'ESSENTIEL, C'EST VOUS.

# Cape Town, South Africa, 2017



3-day course  
37 IPC experts  
17 countries

D. Pires, E. Tartari, C. Fankhauser,  
D. Pittet



**Infection Control  
Africa Network**



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# Hands-on Simulation Training Cape Town, South Africa



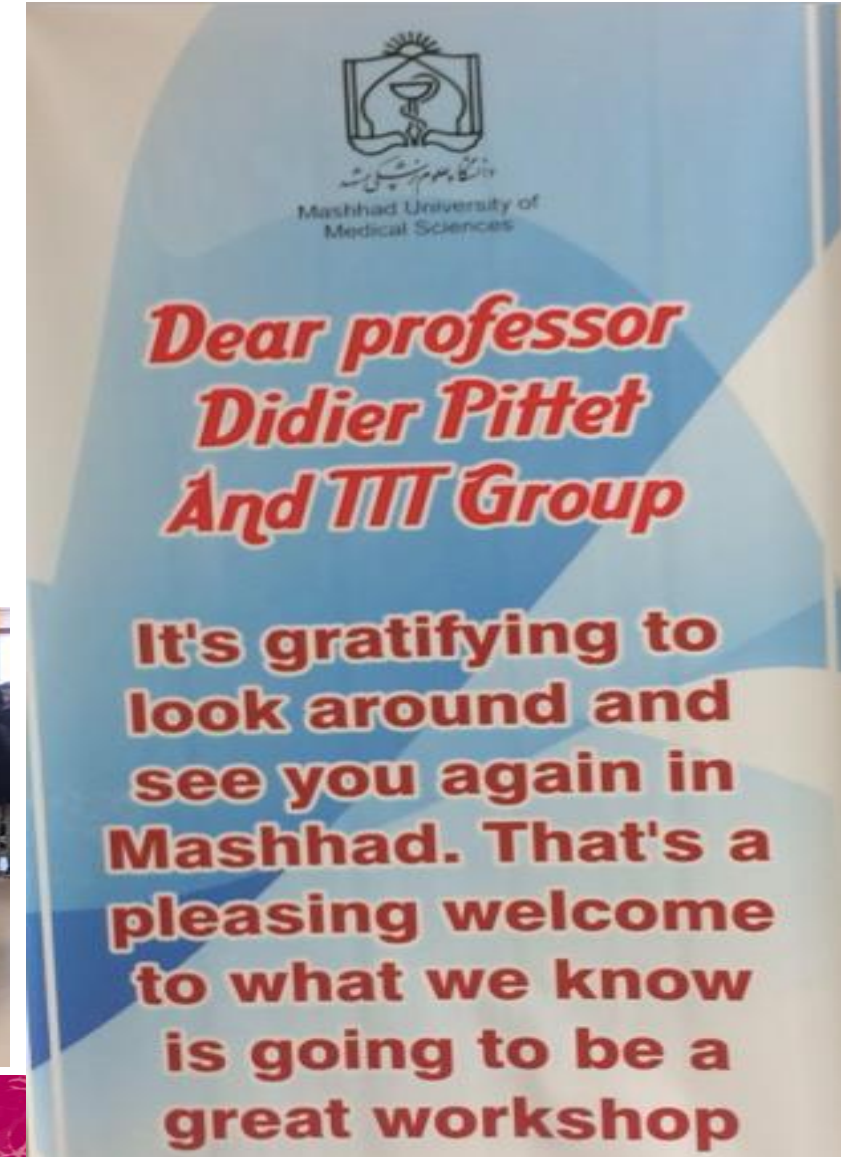
# Mashhad, Iran, 2017



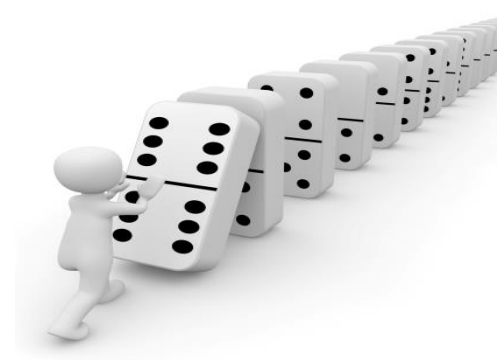
3-day course  
supported by Ministry of Health  
38 IPC experts, >10 cities

D. Pires, E. Tartari, J. Stzajzel-Boissard  
D. Pittet

# Mashhad, Iran, 2017

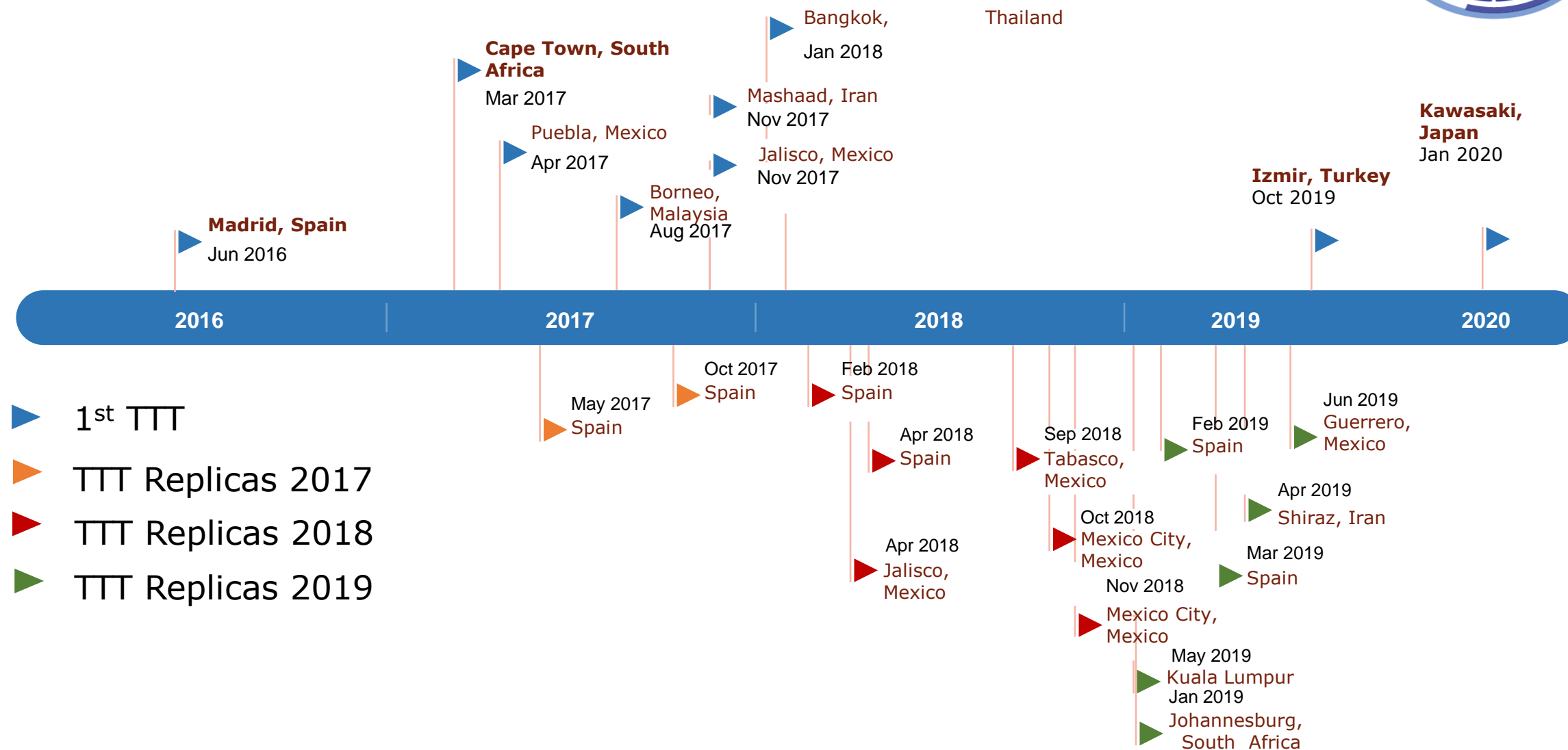


# Activities after the TTT



- **Brazil:** network of train-the-trainers, including the winners of the HHEA, several national courses
- **Mexico:** true domino effect (scheduled national TTT with 200 participants!)
- **Spain:** IPC experts replicated the concept and have performed a national TTT training
- **Iran:** Trained participants organized hand hygiene training for health care workers

# Train-the-Trainers: the *snow-ball* effect





# Conclusions

- It can create an “domino effect”, to be replicated in each country by the participants
- Contributes to the harmonization of HH practices
- Contributes to new promotional activities for improving HH practices
- Great opportunity to create regional and national networks
- Future perspectives: HH core competencies, certification, validation of monitors, etc.

## COURSE FACULTY

### CHAIR

- **Prof Didier Pittet:** Director - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva

### COURSE ORGANIZERS AND FACULTY

- **Dr Daniela Pires:** Medical doctor - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva
- **Ermira Tartari:** Infection Control Practitioner and Research Fellow - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva
- **Carolina Fankhauser-Rodriguez:** Microbiologist - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva

### COURSE ORGANIZERS AND FACULTY

- **Americo Agostinho:** Infection control nurse - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva
- **Josiane Sztajzel-Boissard:** Infection control nurse - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva
- **Sarah Masson-Roy:** Medical doctor - Infection Control Programme & WHO Collaborating Centre on Patient Safety, Geneva
- **Dr Fernando Bellissimo Rodrigues:** Medical doctor - Professor of the Social Medicine Department, Ribeirão Preto Medical School, University of São Paulo,
- **Dr Marcela Hernández de Mezerville:** Coordinator, Epidemiology and Infection Prevention and Control Unit - Hospital Nacional de Niños, Costa Rica



## COURSE OVERVIEW:

The aim of a Train the Trainers (TTT) course is to set the global standard for training infection prevention and control (IPC) practitioners in hand hygiene.

These key actors establish their institution's hand hygiene infrastructure, lead hand hygiene improvement activities and spearhead scientific research agendas. However, there is widespread variation among the requisite elements of competence in hand hygiene worldwide. The Infection Control Programme and WHO Collaborating Centre on Patient Safety at the University of Geneva Hospitals and Faculty of Medicine, launched a TTT program for advanced and senior IPC practitioners, based on the WHO multimodal improvement strategy, which has been shown to have a measurable positive impact on participants' knowledge. This model sets the stage for standardized training of IPC practitioners worldwide.

The course is organised over 3 days and uses an interactive and multifaceted approach to learning. It uses a combination of group discussion, simulation of clinical scenarios and role-playing with immediate performance feedback. The simulation-based learning in this course allows participants to master the direct observation method for hand hygiene compliance, which is considered the gold standard for evaluation.

Participants' knowledge is assessed through a before-and-after course evaluation tool. This model serves as a reference training method for IPC practitioners and health workers worldwide. Integrate our TTT for hand hygiene into your IPC program to see measurable improvement in your healthcare facility.

More info and videos at: [www.CleanHandsSaveLives.org](http://www.CleanHandsSaveLives.org)



TRAIN THE  
TRAINERS

## HAND HYGIENE



L'ESSENTIEL, C'EST VOUS.



TTT Jalisco, Mexico, 2017



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TTT Mashhad, Iran, 2017



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TTT Cape Town, South Africa, 2017



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# Outline

- The Hand Hygiene Excellence Award
- Train-the-Trainers (TTT) in Hand Hygiene
- **The Global Hand Sanitizing Relay**
- Engage with the community:  
#CleanMatters / Turn Africa Orange
- Dancing and singing:  
Hand Hygiene Dance / It's in Your Hands

# The Global Hand Sanitizing Relay



[handhygienerelay@cleanhandssavelives.org](mailto:handhygienerelay@cleanhandssavelives.org)



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# The 1<sup>st</sup> Hand Sanitizing Relay



American Journal of Infection Control 43 (2015) 295-7



Contents lists available at ScienceDirect

American Journal of Infection Control

journal homepage: [www.ajicjournal.org](http://www.ajicjournal.org)



Brief report

Impact of the first hand sanitizing relay world record on compliance with hand hygiene in a hospital



Wing Hong Seto MD<sup>a</sup>, Benjamin J. Cowling BSc, PhD<sup>b,\*</sup>, Christina W.Y. Cheung RN<sup>c</sup>,  
Cindy Y.Y. Wong RN<sup>c</sup>, Patricia T.Y. Ching RN<sup>c</sup>, Didier Pittet MD, MS<sup>d</sup>,  
Raymond C.I. Chen MD<sup>e</sup>

- Hong Kong Baptist Hospital, May 2014
- Hand hygiene compliance increased from 72% (95% CI, 70%-74%) in 2013 to 83% (95% CI, 83%-87%) in June-July 2014

# The 1<sup>st</sup> Hand Sanitizing Relay

## Guinness World Record



- The HSRelay challenge a **sequential chain** of HH actions
- WHO “How to Handrub” technique
- As many HCWs as possible during a single event.



**Record of 277  
HCWs**



**Hôpitaux Universitaires de Genève**  
University of Geneva Hospitals  
and Faculty of Medicine, Geneva, Switzerland



WHO Collaborating Centre  
on Patient Safety  
Infection Control & Improving Practices

Global hand sanitizing relay



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# WHO Hand Sanitizing Relay



WHO Collaborating Centre on  
Patient Safety (Infection Control  
& Improving Practices)

centre Publications Countries Programmes Governance About WHO

Clean Care is Safer Care

5 May 2015

A year of activities in support of SAVE LIVES: Clean Your Hands 5 May  
and ten years of the WHO Clean Care is Safer Care program 2005-2015

Clean hands across the world – join us!

*Hand Sanitizing Relays – 5 May 2015*

On 5 May imagine the world uniting – thousands of health-care facilities all individually trying to **break a Guinness World Record** and highlighting the importance of hand hygiene for patient and health worker safety.

- Launched by the WHO CC in April 2015
- Countries called to arrange a HSRelay as part of their 5<sup>th</sup> of May promotional activities
  - I. To perform a HSRelay
  - II. To set a new Guinness World Record
  - III. To measure hand hygiene compliance before-and-after the event



DE GENÈVE

- **>15,000**  
Health care workers
- **133**  
Health care facilities
- **43**  
Countries



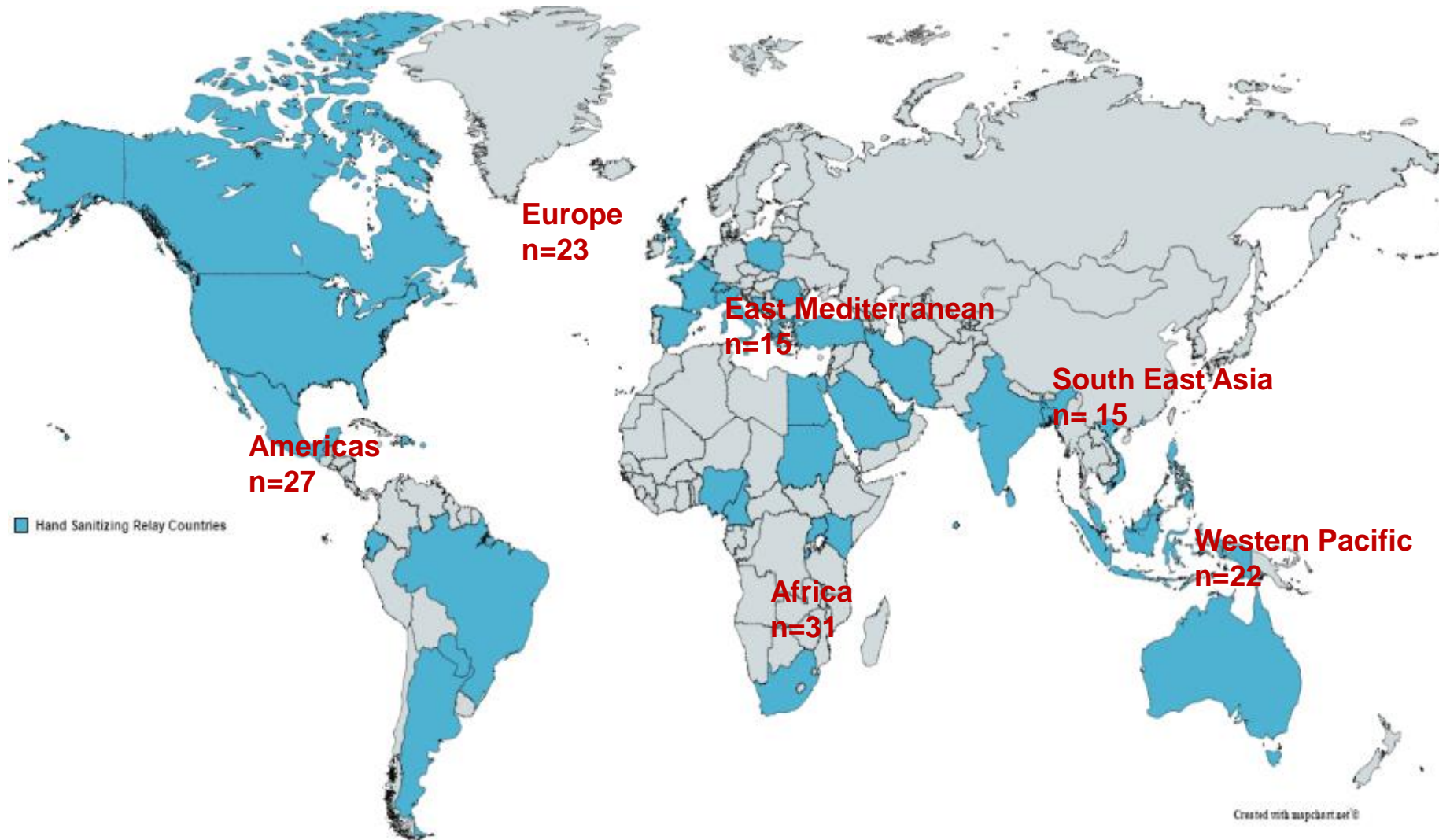
Short report

## The global hand-sanitizing relay: promoting hand hygiene through innovation

E. Tartari<sup>a,b,c</sup>, D. Pires<sup>a,d</sup>, F. Bellissimo-Rodrigues<sup>a</sup>, M. De Kraker<sup>a</sup>,  
T-H. Borzykowski<sup>a</sup>, B. Allegranzi<sup>b</sup>, D. Pittet<sup>a,\*</sup>

- 27 hospitals submitted to WHO CC videos/ photos or posters of the organized HSRelay event
- 19 hospitals registered to set a new Guinness World Record
- HCWs participating:
  - Nurses, Doctors, Allied medical professionals,
  - Nursing, medical and pharmacy students

# The Global Hand Sanitizing Relay 2015



133 hospitals in 43 countries across all WHO regions



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**Iran**



**Australia**



**Philippines**



**Vietnam**



**Romania**



**India**



**Canada**

**Indonesia**



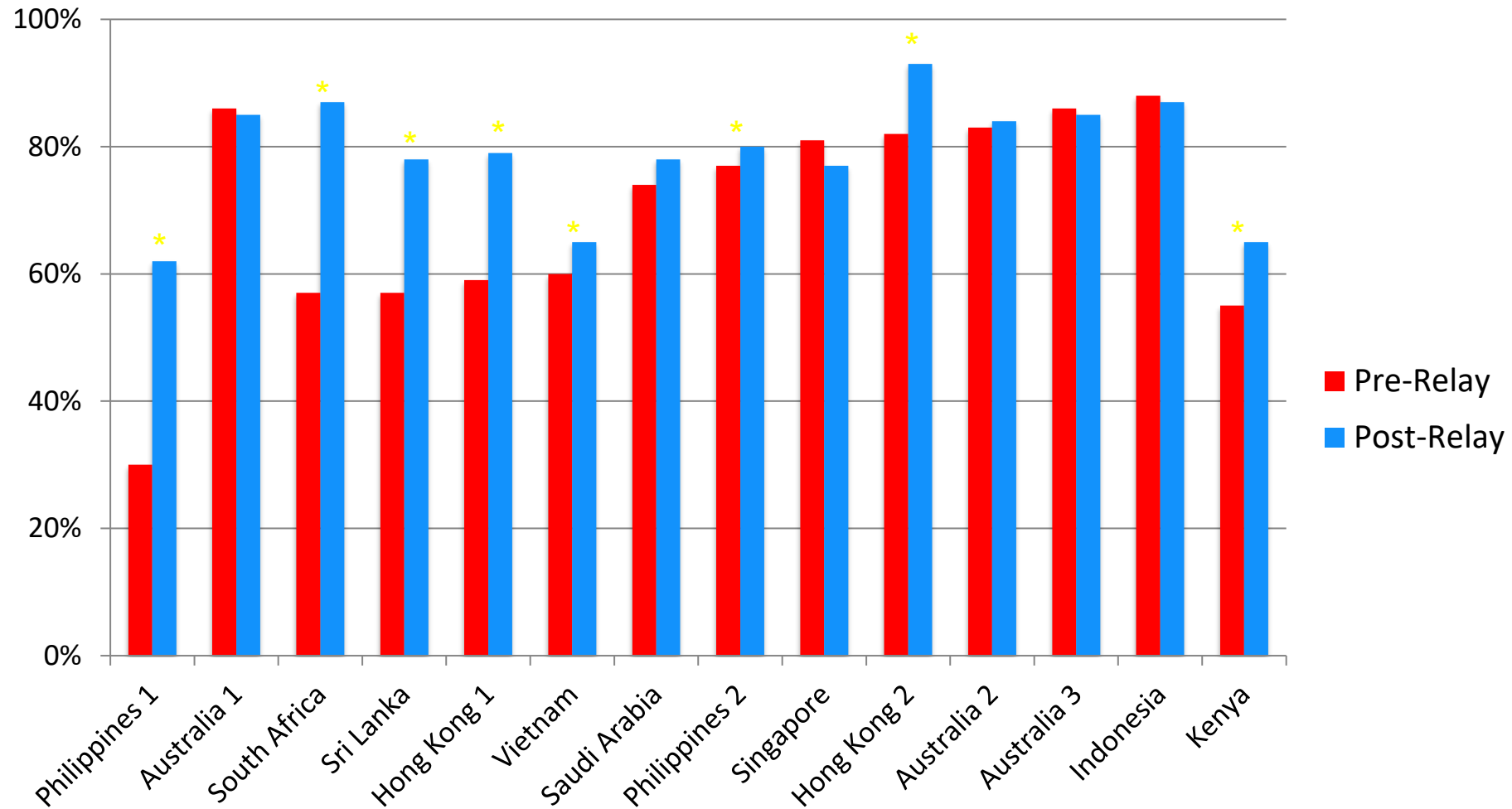
## Pre-and-post HH compliance

- 14 hospitals from 10 countries measured hand hygiene compliance rates
- Pre-event period: April-May 2015
- Hand Sanitizing Relay: May 2015
- Post-event period: June-September 2015

**Do you want to improve  
hand hygiene  
compliance in your  
hospital?**



# Pre-and-post HH compliance



# Conclusions



- Hand Sanitizing Relay, an excellent opportunity: for team spirit between IPC and HCWs in hospitals
- Promoting WHO 6-step technique and “My 5 Moments for Hand Hygiene”
- Tool to mobilize HCWs to maintain the hand hygiene momentum
- Making IPC teams visible in the wards

# Adapt to Adopt

...and let people be creative



- The *time factor* necessary for all HCWs to remain present during the HSRelay activity, away from clinical duties.
- *Facilities adapted* the recommended HSRelay procedure to correct for the time factor.
- HSRelay in wards/departments at different time

Mashhad,  
Iran, 2015

N=660



# Certificate to participants from the WHO CC

## Certificate of recognition

The World Health Organization Collaborating Centre on Patient Safety  
Infection Control & Improving Practices  
is honoured to certify

..... from *Manila Doctors Hospitals*

participated in a Hand Sanitizing Relay  
in support of the WHO's Clean Care is Safer Care Program

October 13, 2015  
10<sup>th</sup> Clean Care is Safer Care anniversary



Professor Didier Pittet, MD, MS, CBE  
Lead Adviser  
WHO Clean Care is Safer Care Program  
University of Geneva Hospitals and Faculty of Medicine,  
Geneva, Switzerland





Farah Muhammad with Sayeeda Fatema Shahinoor and 4 others.  
6 May · Dhaka, Bangladesh

Apollo Hospitals Dhaka celebrated World Hand Hygiene Day with Surgeons for safe surgical outcome



Like Comment Share

Tcheun-How Borzykowski and 7 others

Didier Pittet shared ICPIC - International Conference on Prevention & Infection Control's live video.  
17 June at 17:35



...because together we are stronger

# Outline

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Adapt to Adopt

...work with the community



Let's... Turn Africa Orange



[www.tinyurl.com/AfricaOrange](http://www.tinyurl.com/AfricaOrange)

Let's...

Turn Africa Orange



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Let's...

Turn Africa Orange



ICAN

**IF YOU ARE A HEALTHCARE FACILITY IN AFRICA  
REGISTER AT:**

**[www.who.int/gpsc/5may/register/en/index/html](http://www.who.int/gpsc/5may/register/en/index/html)**

[www.tinyurl.com/AfricaOrange](http://www.tinyurl.com/AfricaOrange)

# Outline

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Adapt to Adopt

...from rubbing to dancing

# From rubbing to dancing round the world ...

<http://www.tinyURL.com/HandHygieneRubToDance>

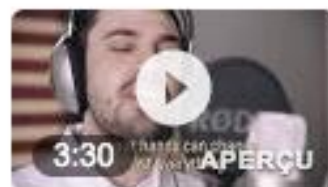


Adapt to Adopt



Environ 4 830 000 000 résultats (0,70 secondes)

## 📺 Vidéos



It's in Your Hands - the official song for the World Hand ...

YouTube · Prevention & Infection Control  
24 avr. 2019



"It's in Your Hands" Karaoke Version - the official song for the ...

YouTube · Prevention & Infection Control  
26 avr. 2020



Clean care for all - It's in your hands! WHO global hand ...

YouTube · World Health Organization (WHO)  
24 avr. 2019



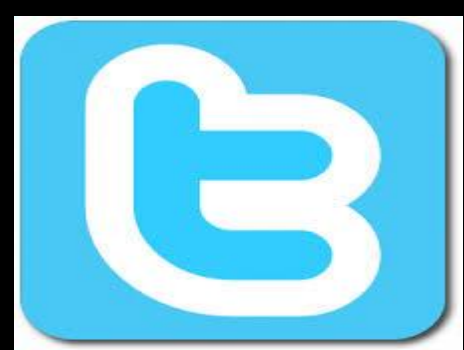
6 temps forts dans cette vidéo



Affic







**Follow and like**

**@didierpittet**

**@Clean\_Hands**

**@Clean\_Hospitals**

[www.who.int/gpsc/5may](http://www.who.int/gpsc/5may)

[www.CleanHandsSaveLives.org](http://www.CleanHandsSaveLives.org)

#HandHygiene

#CleanHospitals

#CleanHands



**Private  
Organizations  
for Patient  
Safety**

**CleanHandsSaveLives.org**  
fonds abrité par la Fondation Philanthropia

FONDATION  
PHILANTHROPIA  
LOMBARD ODIER

**CleanHandsSaveLives.org**

# Thank you

## All participants!

