



Division of Epidemiology & Surveillance Capacity Development (DESCD)

PROGRAM OVERVIEW



Coordinating Office for Global Health



Vision & Mission

Vision

Create effective public health systems that support the well-being of communities around the world



Mission

Work with partners to strengthen capacity of countries around the world to improve public health





DESCD Strategy

Improve public health through

- **Service:** Provide epidemiological services to public health system at national & sub-national levels (e.g., outbreak investigations & response)
- **Training:** Develop self-sustaining institutionalized capacity to train public health leaders in field of epidemiology
- **Systems:** Strengthen public health surveillance & information systems



DESCD Workforce

- Provide training & technical assistance in the development & implementation of applied epidemiology information systems & programs
- Diverse disciplines
 - * Physicians & epidemiologists
 - * Public health advisors
 - * Instructional designers & health communications specialists
 - * Other technical staff
 - * Program support staff (assigned to the field)
 - * Resident advisor
 - * Team structure organized by country, program or project
- Located in Atlanta & in field



Field Epidemiology Training Program (FETP)

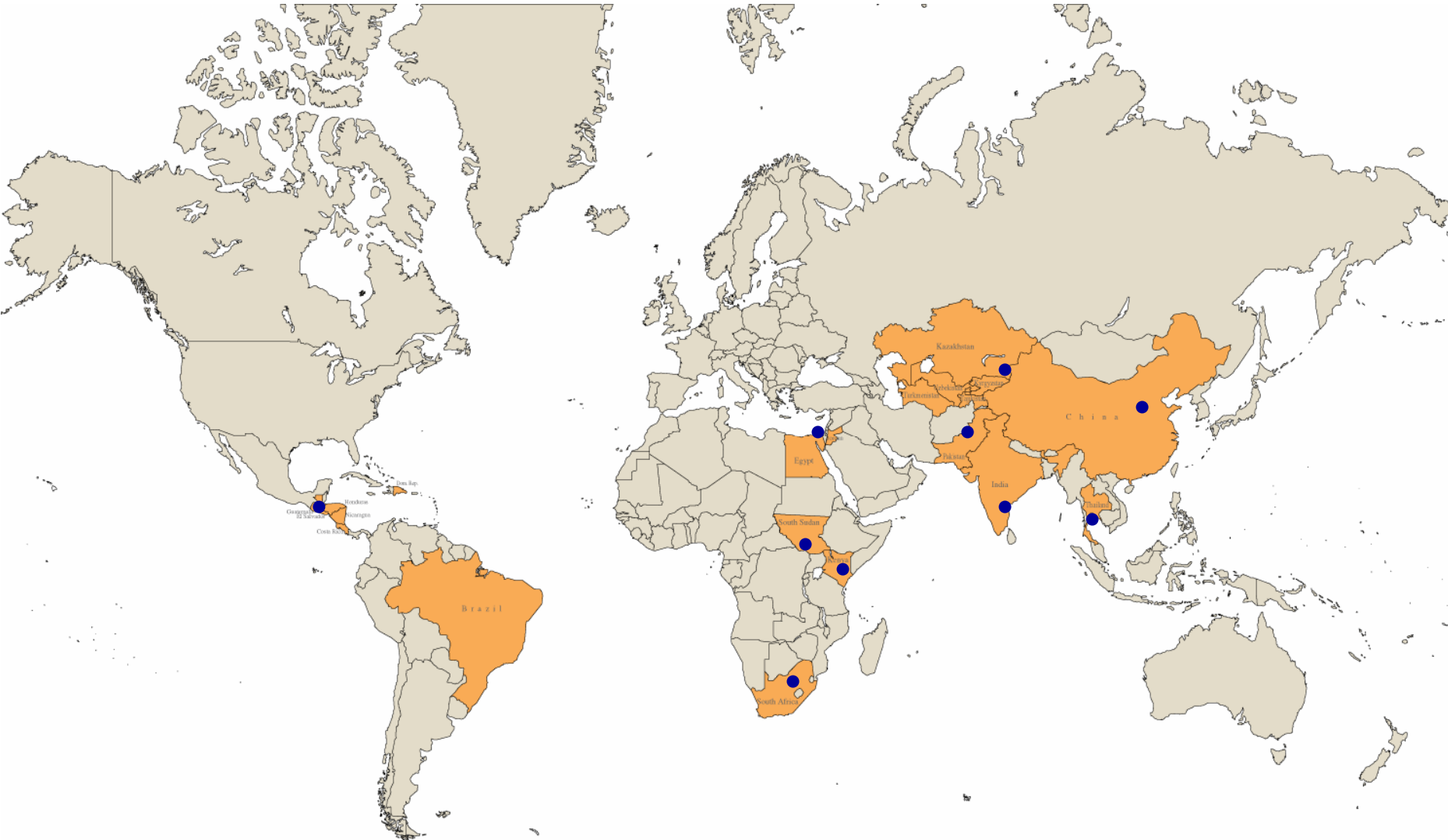


Field Epidemiology Training Program

- Modeled after CDC's Epidemic Intelligence Service (EIS)
- Two-year, full-time postgraduate training program
- Closely supervised, on-the-job, competency-based training
- About 25% class work, 75% field placement
- Trainees assigned to positions that provide epidemiologic service to Ministry of Health
- Graduates may receive a certificate or degree



Current DESC-Supported FETPs



● Resident advisor

Country Table of Current FETPs/FELTPs

Year started	Program	# of countries	FETP	FELTP	Resident Advisor
1980	Thailand	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
1993	Egypt	1	<input checked="" type="checkbox"/>		
1999	Jordan	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
2000	Central America	6	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
2000	Brazil	1	<input checked="" type="checkbox"/>		
2001	China	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
2001	India	1	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
2003	Central Asia	5	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
2004	Kenya	1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2004	South Sudan	1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2006	Pakistan	1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2006	South Africa	1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TOTAL	12	21	8	4	11



DESCD Team Support for FETP

Field

CDC Resident
Advisor

Country FETP

MOH

Provinces
& districts

Atlanta

Epidemiologist

Public Health
Advisor

Infectious
Diseases

Non-
communicable
disease

DESCD

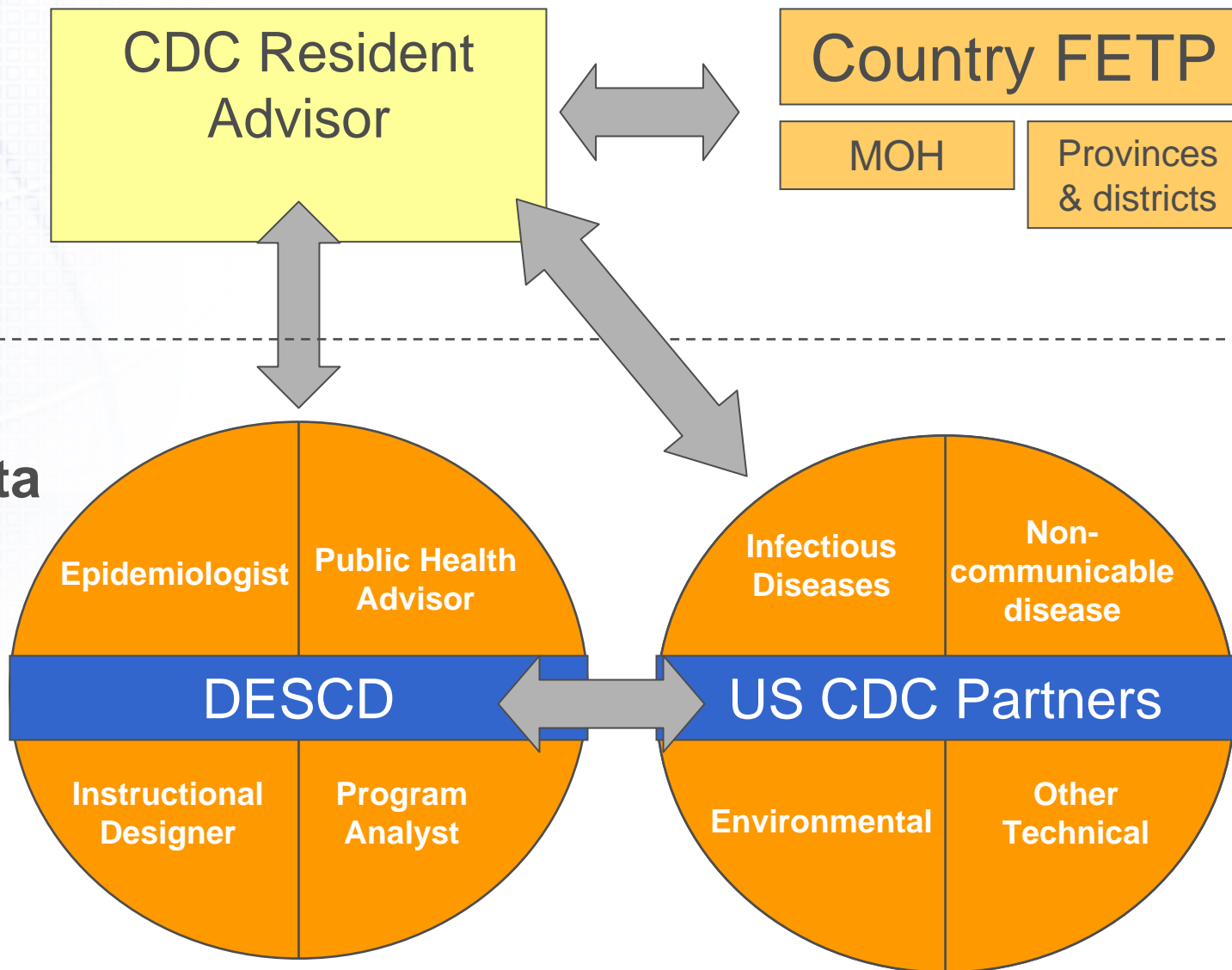
US CDC Partners

Instructional
Designer

Program
Analyst

Environmental

Other
Technical





DESCD Team Approach to Plan & Provide Technical Assistance

- **Resident Advisor:** Implements all in-country program activities & mentors trainees, with national counterpart
- **Epidemiologist:** Provides technical expertise in epidemiology & surveillance
- **Instructional Designer:** Assesses training needs & develops training materials (e.g., didactic, web-based)
- **Public Health Advisor:** Coordinates all program activities & operations including program planning, development, & implementation



CDC Contribution

- Expertise in
 - * Applied epidemiology program development & implementation
 - * Curriculum development
 - * Training
 - * Evaluation
- Technical assistance from a multidisciplinary team
- Resident advisor placed in country for 4 to 6 years
- Linkages to other CDC experts in country's disease priority areas
- Facilitate networking with other FETPs around the world



FETP Services to MOH

- Detect & respond to public health emergencies (i.e., outbreaks, disasters, emerging infections)
- Enhance disease surveillance systems
 - * Analyze routinely collected data
 - * Conduct surveys, field studies, & evaluations
 - * Develop new or strengthen existing systems
- Communicate public health findings & recommendations
 - * Oral presentations & written publications
 - * Publish epidemiologic bulletin
- Conduct seminars & training for others



Key Features

- Country ownership of program
- Program tailored to country needs & priorities
- Resident advisor for first phase of implementation
- Plan for sustainability
- Partnership enables additional collaborations with CDC & others



DESCD Achievements

- Since 1980, DESCDC provided a resident advisor (RA) to 28 programs in 36 countries
 - * 19 no longer need support from a full-time RA
 - * 19 still produce graduates
 - * More than 1,200 epidemiologists graduated in 27 years
- Many graduates work in public health in their original countries, most in decision-making positions
- In 2005, 7 programs in 16 countries
 - * 159 graduates
 - * 130 outbreaks investigated
- In 2006, new programs started in Pakistan & South Africa



Other Components

- FELTP
- Monitoring and evaluation
- Data for Decision Making
- Short courses
- Pyramid model
- Systems development
 - Infectious diseases, non-communicable diseases, injury, vital statistics, legal framework, laboratory systems



Other DESC D-supported Programs

- Other programs
 - * Africa Integrated Disease Surveillance & Response
 - * Central Asia (surveillance & laboratory projects)
 - * Threat Agent Detection & Response
 - * Sudan Health Transformation Project
 - * Amazon River Basin Surveillance
 - * Avian influenza projects
- Field staff in Kazakhstan, Uzbekistan, South Sudan, & Brazil (planned)
- FETPs & other programs funded by
 - GDD, USAID, World Bank, Ellison Foundation, NTI, DoD