

# **Update on the global status of implementation of preventive chemotherapy (PC)**

**8 February 2019**

**Department of Control of Neglected Tropical Diseases (NTD)**

**World Health Organization, Geneva, Switzerland**





**Preventive chemotherapy**

**1.762 billion**

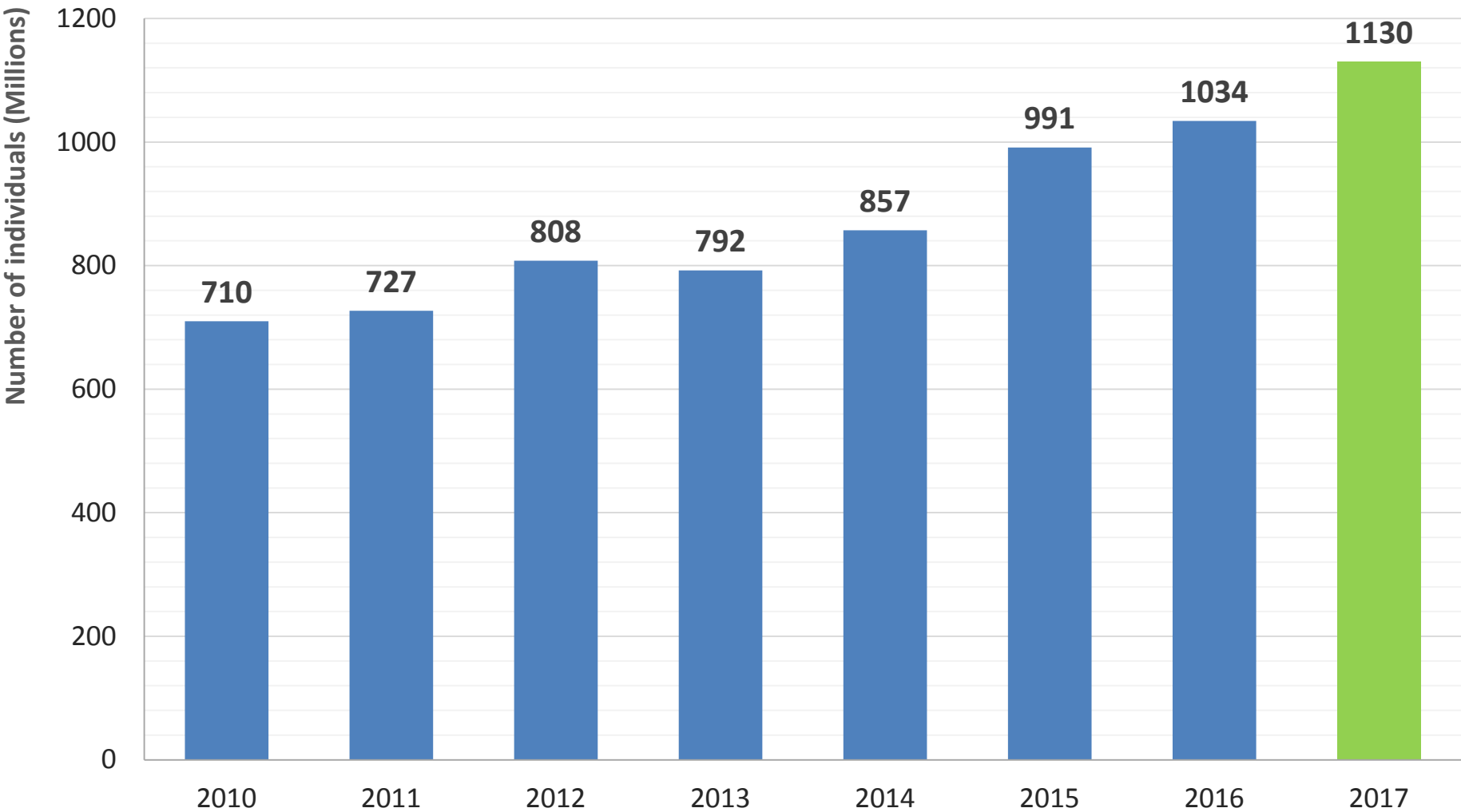
**treatments were delivered in 2017**

**1.036 billion**

**individuals in need of PC**

**received treatment for at least one disease**

**Number of individuals received Preventive Chemotherapy (PC) interventions for at least one disease, 2010-2017**



These interventions have been delivered to individuals living in areas which require PC and also in areas which may not require PC.

# Global status of preventive chemotherapy in 2017

PC implementation	LF	ONCHO	STH		SCH		TRA	PC <sup>6</sup>
			PreSAC	SAC	SAC	Adults		
Number of countries requiring PC <sup>1</sup>	51	31	101		52		40	113
Number of people requiring PC	894.5M	205.7M	273.1M	596.8M	120.7M	100.1M	165.1M	1582M
Number of countries implemented and reported	41	26	58	65	40	24	29	87
Proportion (%) of districts implemented PC <sup>2</sup>	78.9	88.3	ND	78.7	46.1	18	53.6	ND
Proportion (%) of districts achieving effective coverage <sup>3</sup>	86.5	85.9	ND	73.2	82.6	23.2	73.8	ND
Number of people treated <sup>4</sup>	481.3M	145.8M	188.7M	415.5M	85.4M	16.9M	83.5M	1036M
Coverage (%) <sup>5</sup>	53.8	70.9	69.1	69.6	70.8	16.8	50.6	65.5

<sup>1</sup> Number of endemic countries moved to post-treatment surveillance stage is not included in total.

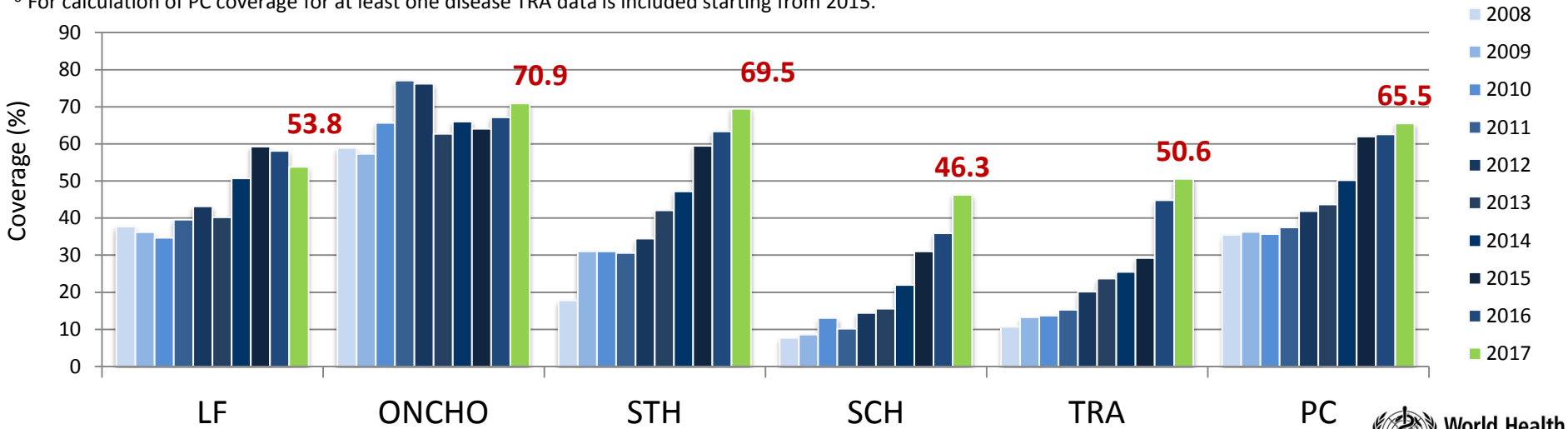
<sup>2</sup> Proportion of known endemic districts implementing PC in countries that reported on PC interventions.

<sup>3</sup> Proportion of districts implementing PC achieving the defined effective coverage for the disease  $\geq 65\%$  for LF and ONCHO,  $\geq 75\%$  for STH and SCH, and  $\geq 80\%$  for TRA.

<sup>4</sup> Number of people received treatment in areas where PC is required according to the recommended strategy for a specific disease.

<sup>5</sup> Coverage is calculated as the number of people treated out of total population requiring PC.

<sup>6</sup> For calculation of PC coverage for at least one disease TRA data is included starting from 2015.



# Global status of preventive chemotherapy in 2017 – lymphatic filariasis

PC implementation	AFR	AMR	EMR	SEAR	WPR	GLOBAL
Number of countries requiring PC <sup>1</sup>	32	3	1	5	10	51
Number of people requiring PC	349M	6.4M	9.7M	516.4M	13M	894.5M
Number of countries implemented and reported <sup>2</sup>	27	3	1	5	5	41
Proportion (%) of districts implemented PC <sup>3</sup>	82.3	77.8	18.3	81.4	100	78.9
Proportion (%) of districts achieving effective coverage <sup>4</sup>	85.9	60.7	72.7	92.1	94.1	86.5
Number of people treated	217.9M	3.3M	1.5	252.8M	5.8M	481.3M
Coverage (%) <sup>5</sup>	62.4	52.4	14.9	48.9	44.3	53.8

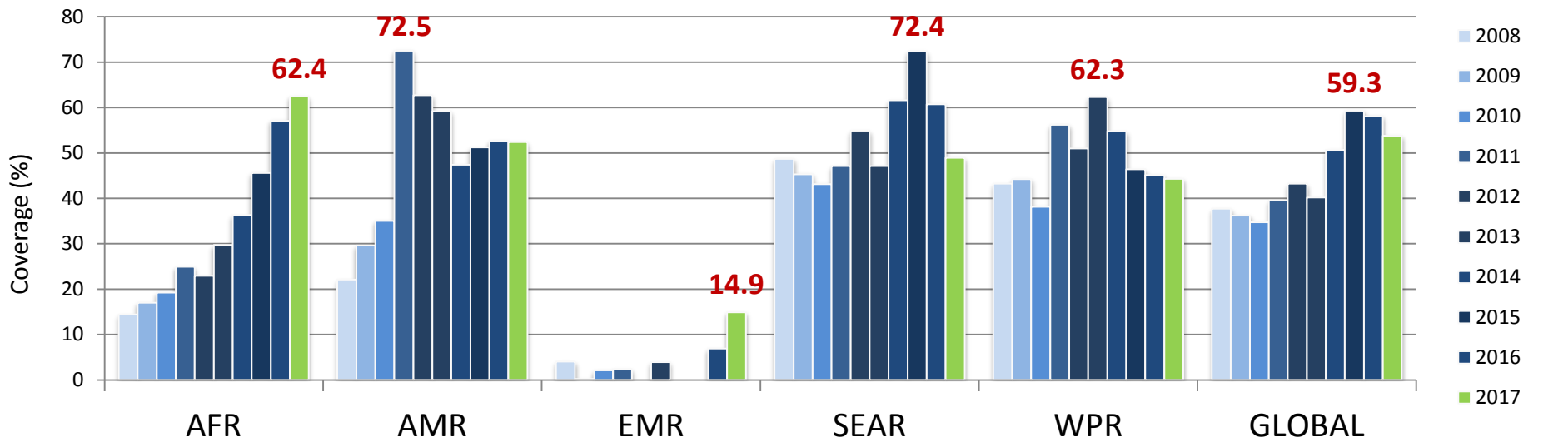
<sup>1</sup> Number of endemic countries moved to post-treatment surveillance stage is not included in total.

<sup>2</sup> Number of countries reporting data on PC implementation. Countries submitting blank reports are not included in total.

<sup>3</sup> Proportion of known endemic districts implementing PC in countries that reported on PC interventions.

<sup>4</sup> Proportion of districts implementing PC achieving the defined effective coverage for the disease -  $\geq 65\%$  for LF.

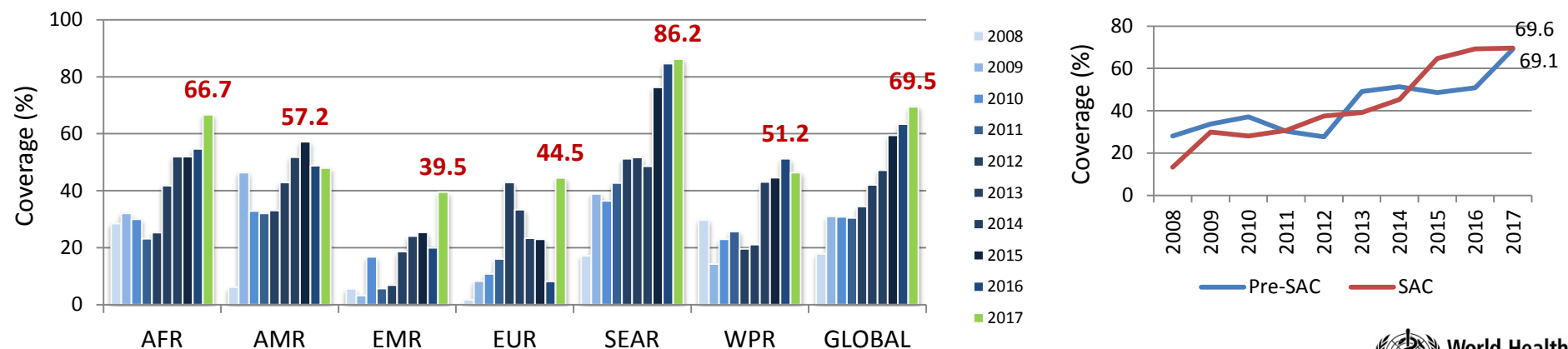
<sup>5</sup> Coverage is calculated as the number of people treated out of total population requiring PC.





# Global status of preventive chemotherapy in 2017 – soil-transmitted helminthiases

Preschool-aged children (1–4 years)	AFR	AMR	EMR	EUR	SEAR	WPR	GLOBAL
Number of countries requiring PC <sup>1</sup>	40	25	8	6	8	14	101
Number of people requiring PC	97.3M	19.6M	19.1M	2M	110.3M	24.8M	273.1M
Number of countries implemented and reported <sup>2</sup>	31	10	2	0	7	8	58
Number of people in need and treated <sup>5</sup>	69.8M	7.8M	14.6M	0	84.6M	11.9M	188.7M
Coverage (%) <sup>6</sup>	71.7	40.1	76.6	0	76.7	47.9	69.1
School-aged children (5–14 years)	AFR	AMR	EMR	EUR	SEAR	WPR	GLOBAL
Number of countries requiring PC <sup>1</sup>	40	25	8	6	8	14	101
Number of people requiring PC	179M	51.4M	39.8M	3.5M	259.8M	63.3M	596.8M
Number of countries implemented and reported <sup>2</sup>	33	11	4	3	8	6	65
Proportion (%) of districts implemented PC <sup>3</sup>	80.6	75.8	31.8	83.9	82.5	91.7	78.7
Proportion (%) of districts achieving effective coverage <sup>4</sup>	79.8	45.7	58.2	9.6	66.9	71.2	73.2
Number of people in need and treated <sup>5</sup>	114.4M	26.2M	8.7M	2.4M	234.6M	29.2M	415.5M
Coverage (%) <sup>6</sup>	63.9	50.9	21.7	69.6	90.3	46.1	69.6

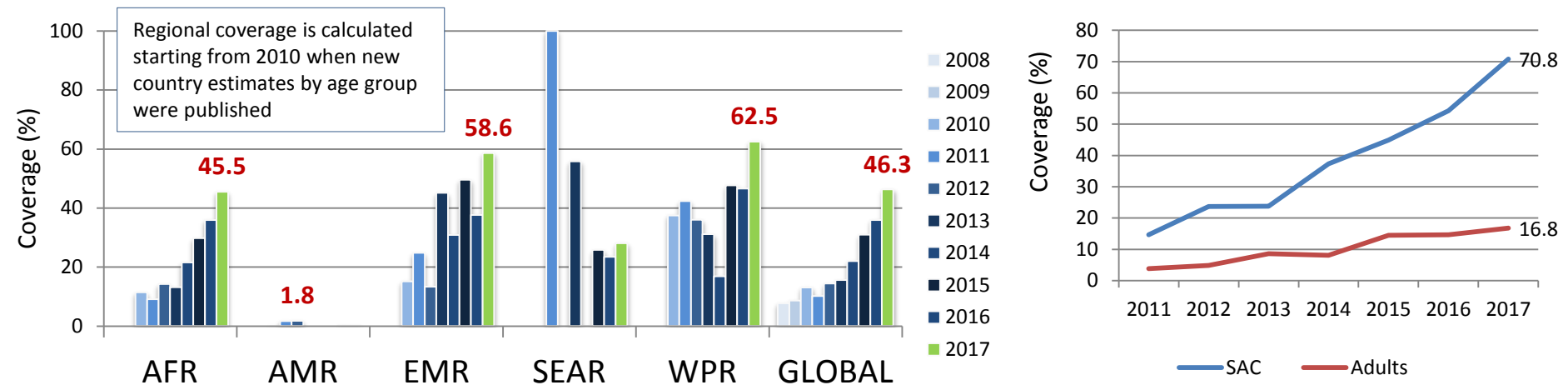


AFR – African Region; AMR – Region of the Americas; EMR – Eastern Mediterranean Region; EUR – European Region; SEAR – South-East Asia Region; WPR – Western Pacific Region

# Global status of preventive chemotherapy in 2017 – schistosomiasis

PC implementation	AFR SAC/Adults	AMR SAC	EMR SAC/Adults	SEAR SAC/Adults	WPR SAC/Adults	GLOBAL SAC/Adults
Number of countries requiring PC <sup>1</sup>	41	2	4	1	4	52
Number of people requiring PC	108.2M/90.6M	1.6M	9.8M/6.7M	4K/18K	0.6M/2.2M	120.7M/100.1M
Number of countries implemented and reported <sup>2</sup>	31/15	1/1	4/4	1/1	3/3	40/24
Proportion (%) of districts implemented PC <sup>3</sup>						
Proportion (%) of districts achieving effective coverage <sup>4</sup>	83.8	0	67.1	0	53.3	82.6
Number of people treated	78.6M/12.1M	0.1K/3.2K	6.4M/3.4M	1K/5K	0.4M/1.3M	85.4M/16.9M
Coverage (%) <sup>5</sup>	72.4/13.3	0.2	64.7/49.7	26.8/28.3	66.6/61.4	70.8/16.8

- <sup>1</sup> Number of endemic countries moved to post-treatment surveillance stage is not included in total.
- <sup>2</sup> Number of countries reporting data on PC implementation. Countries submitting blank reports are not included in total.
- <sup>3</sup> Proportion of known endemic districts implementing PC for SAC in countries that reported on PC interventions.
- <sup>4</sup> Proportion of districts implementing PC achieving the defined effective coverage of SAC population for the disease -  $\geq 75\%$  for SCH.
- <sup>5</sup> Coverage is calculated as the number of people **in need of PC** and treated out of total population requiring PC.



# Global status of preventive chemotherapy in 2017 – onchocerciasis

PC implementation	AFR	AMR	EMR	GLOBAL
Number of countries requiring PC <sup>1</sup>	27	2	2	31
Number of people requiring PC	204.6M	30K	1.1M	205.7M
Number of countries implemented and reported <sup>2</sup>	23	2	1	26
Proportion (%) of districts implemented PC <sup>3</sup>	90	100	10.8	88.3
Proportion (%) of districts achieving effective coverage <sup>4</sup>	89.8	100	100	85.9
Number of people treated	145.4M	23K	0.4M	145.8M
Coverage (%) <sup>5</sup>	71.1	75.7	38.6	70.9

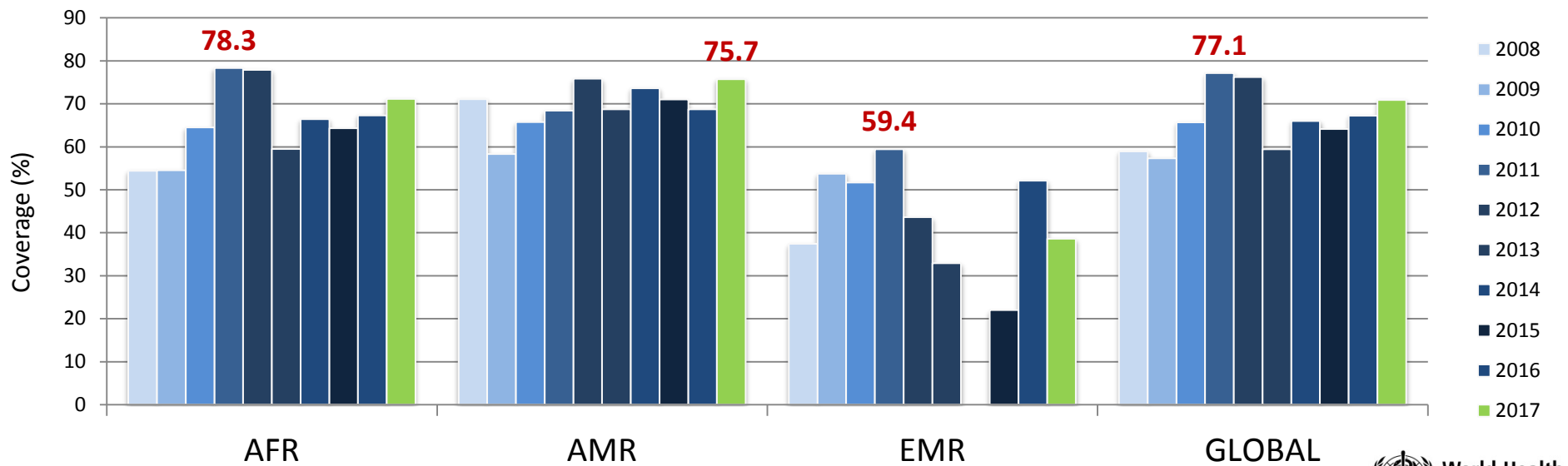
<sup>1</sup> Number of endemic countries moved to post-treatment surveillance stage is not included in total.

<sup>2</sup> Number of countries reporting data on PC implementation. Countries submitting blank reports are not included in total.

<sup>3</sup> Proportion of known endemic districts implementing PC in countries that reported on PC interventions.

<sup>4</sup> Proportion of districts implementing PC achieving the defined effective coverage for the disease -  $\geq 65\%$  for ONCHO.

<sup>5</sup> Coverage is calculated as the number of people and treated out of total population requiring PC.



AFR – African Region; AMR – Region of the Americas; EMR – Eastern Mediterranean Region.



# Global status of preventive chemotherapy in 2017 – trachoma

PC implementation	AFR	AMR	EMR	SEAR	WPR	GLOBAL
Number of countries requiring PC <sup>1</sup>	24	4	4	1	7	40
Number of people requiring PC	146.3M	5.4M	10.4M	ND	3M	165.1M
Number of countries implemented and reported <sup>2</sup>	20	3	2	1	3	29
Number of people treated	79.5M	0.056M	3.9M	<0.001M	0.100M	83.5M
Coverage (%) <sup>3</sup>	54.3	1.1	37.3	0	3.3	50.6

<sup>1</sup> Number of endemic countries moved to post-treatment surveillance stage is not included in total.  
<sup>2</sup> Number of countries reporting data on PC implementation. Countries submitting blank reports are not included in total.  
<sup>3</sup> Coverage is calculated as the number of people and treated out of total population requiring PC.

