

# Immunization Regional Snapshot 2018

## Middle East and North Africa



### More than 1 million still not fully vaccinated

In 2018, **1.1 out of 11 million** surviving infants in the region did not receive the three recommended doses of DTP3 vaccine



### Three-quarters of countries reached and maintained 90% coverage

**15 out of 20 countries** in the region have reached and sustained the target coverage of 90% or above for DTP3 for the past three years

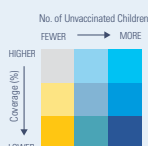


### Measles regional coverage below the global target

In 2018, the **regional coverage of MCV1 was 89%** compared to the global target of 95%

### Coverage and number of infants not vaccinated for DTP3 by country, 2018

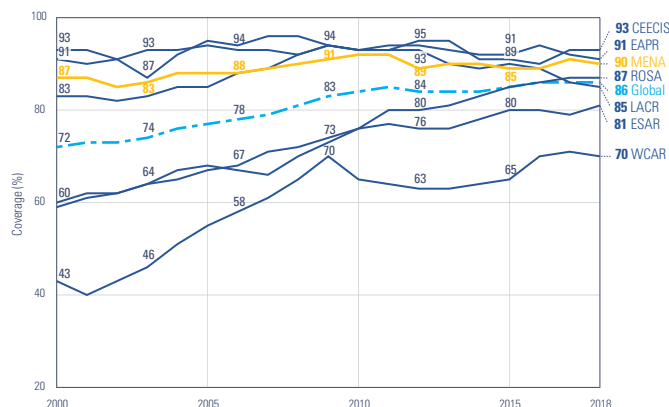
Countries with dark blue color, Syrian Arab Republic and Yemen have the lowest coverage levels and the highest number of not vaccinated infants for DTP3. Algeria, Egypt, and Sudan have high numbers of infants not vaccinated for DTP3 with high vaccination coverage levels.



**Note:** This map is not to scale. It does not reflect a position by UNICEF on the legal status of any country or area or the delimitation of any frontiers. Please find more information on how to interpret the map on page 3.

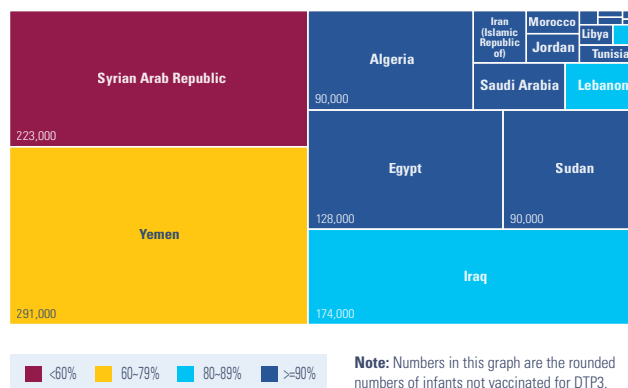
### Global and regional coverage of DTP3, 2000–2018

In 2018, the regional coverage of DTP3 was 90%, compared to global coverage of 86%.



### Coverage levels (%) and numbers of infants un-vaccinated and under-vaccinated for DTP, 2018

Yemen and Syrian Arab Republic, with an estimated 513 thousand infants not vaccinated for DTP3, accounted for 47 per cent of the total MENA un- and under-vaccinated surviving infants.



**Note:** Numbers in this graph are the rounded numbers of infants not vaccinated for DTP3.

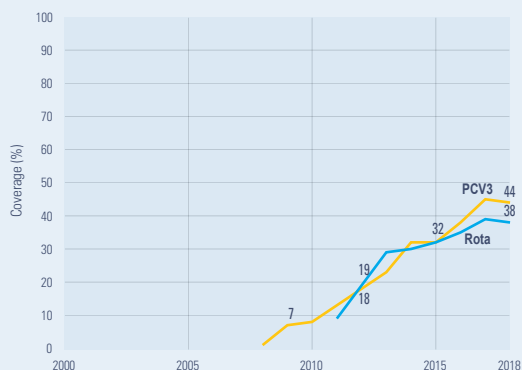
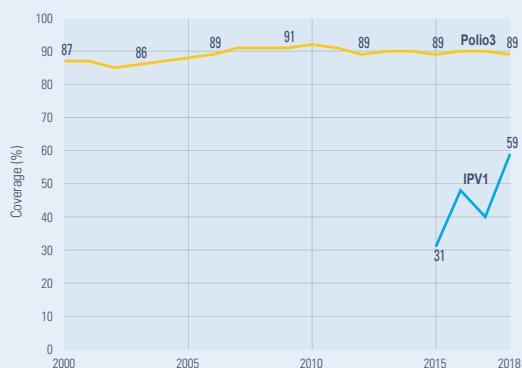
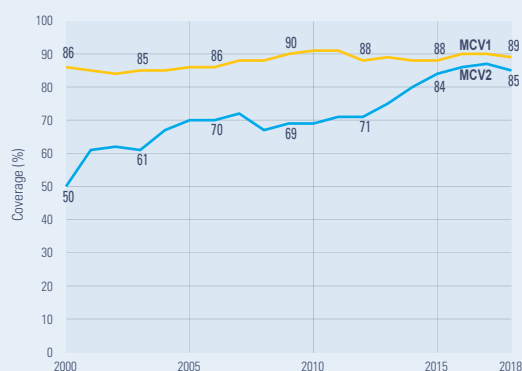
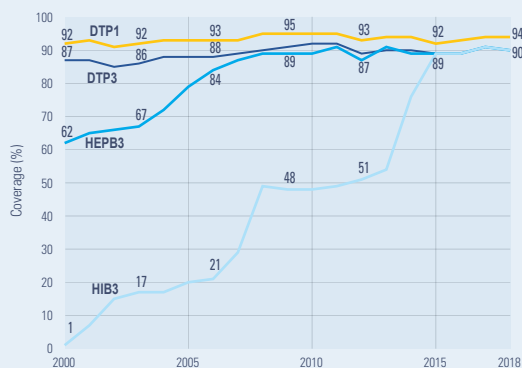
### Vaccination coverage by country, 2018

\* = Achieved greater than 90% coverage for at least the past 3 consecutive years

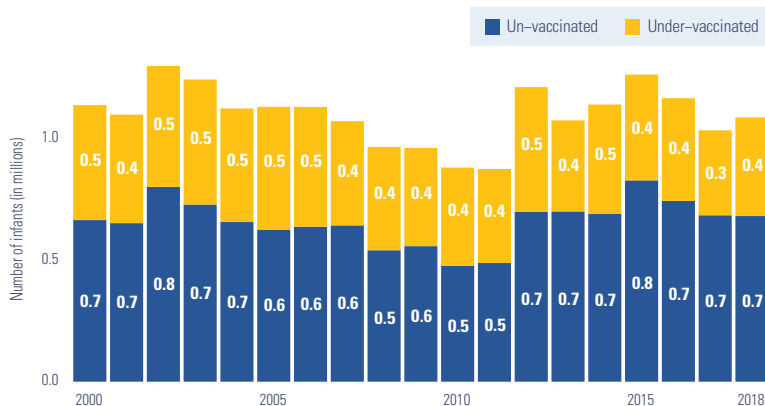
**Note:** Please find the acronym definitions on page 3

	BCG	DTP1	DTP3	Polio3	MCV1	MCV2	HepB3	Hib3	Rota	PCV3	HPV
Algeria	99	96	91*	91	80	77	91	91	–	91	–
Bahrain	–	99	99*	99	99	99*	99	99	98	98*	–
Djibouti	93	91	84	84	86	81	84	84	87	84	–
Egypt	95	96	95*	95	94	94*	95	95	–	–	–
Iran (Islamic Republic of)	99	99	99*	99	99	98*	99	99	–	–	–
Iraq	95	92	84	71	83	81	84	84	60	32	–
Jordan	94	98	96*	92	92	96*	96	96	93	–	–
Kuwait	99	99	99*	99	99	99*	99	99	3	99*	–
Lebanon	–	96	83	81	82	63	80	85	–	82	–
Libya	99	98	97*	97	97	96*	97	97	97	96*	–
Morocco	99	99	99*	99	99	99*	99	99	99	99*	–
Oman	99	99	99*	99	99	99*	99	99	–	99*	–
Qatar	99	99	98*	98	99	95*	98	98	95	98*	–
Saudi Arabia	98	96	96*	98	98	97*	97	96	97	98*	–
State of Palestine	99	99	99*	99	99	99*	99	99	99	96*	–
Sudan	88	97	93*	93	88	72	93	93	94	93*	–
Syrian Arab Republic	79	67	47	53	63	54	47	48	–	–	–
Tunisia	92	98	97*	97	96	99*	97	97	–	–	–
United Arab Emirates	95	99	99*	99	99	99*	99	99	99	99*	26
Yemen	64	75	65	59	64	46	65	65	64	64	–

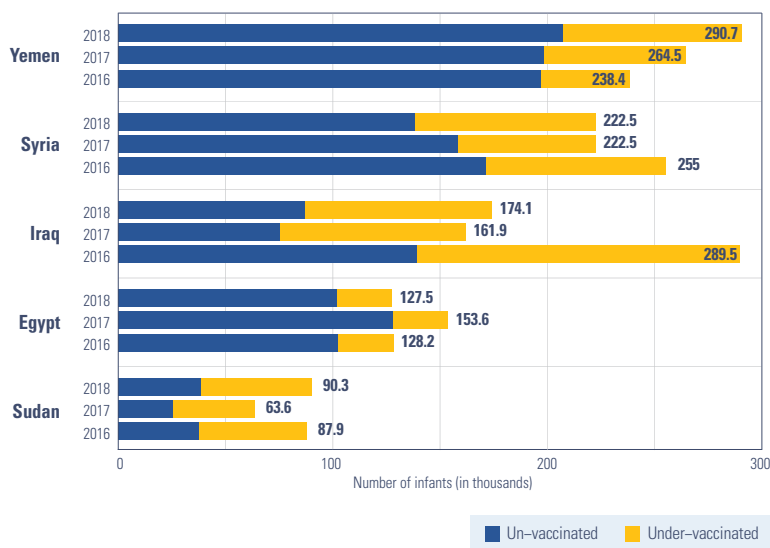
### Regional Vaccination Trends, 2000-2018



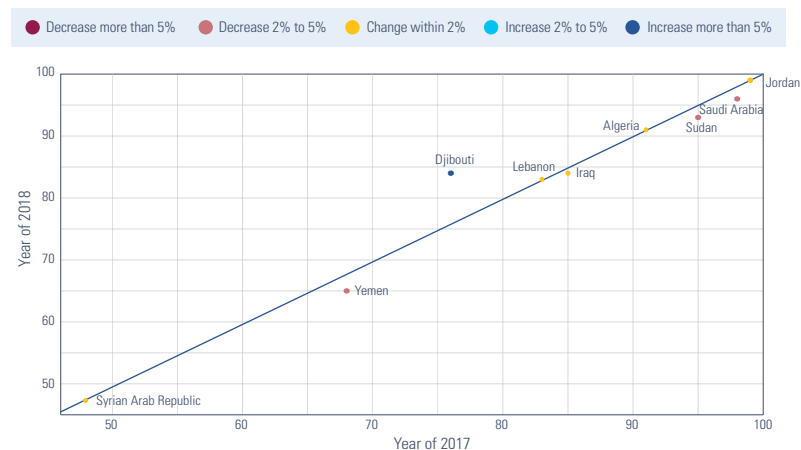
### Number of infants in the region not vaccinated for DTP1 (un-vaccinated) and DTP3 (under-vaccinated), 2000-2018



### Top 5 countries with the most infants not vaccinated for DTP1 (un-vaccinated) and DTP3 (under-vaccinated), 2016-2018



### DTP3 coverage change from 2017 to 2018, by country



Note: Coverage change was within 2% for Algeria, Bahrain, Egypt, Iran (Islamic Republic of), Iraq, Kuwait, Lebanon, Libya, Morocco, Oman, Qatar, Saudi Arabia, State of Palestine, Syrian Arab Republic, Tunisia, and United Arab Emirates.

### Definitions of immunization terms

**Vaccine coverage:** Percentage of infants (children under one year of age) who received certain vaccine-doses. For example, coverage of DTP3 is the percentage of infants that received all three doses of diphtheria, tetanus, and pertussis (DTP) vaccine.

**Un-vaccinated:** An infant that did not receive any vaccine. In this regional profile, un-vaccinated is defined as an infant that did not receive any DTP vaccine (not vaccinated for DTP1).

**Under-vaccinated:** An infant that received some but not all the recommended vaccine-doses on the national schedule. In this regional profile, under-vaccinated is defined in relation to the DTP vaccination series not the entire national immunization schedule.

#### Vaccine-Doses:

- Bacillus Calmette-Guerin (BCG): vaccine against tuberculosis.
- Diphtheria, tetanus, and pertussis vaccine, first dose (DTP1) and third dose (DTP3).
- Hepatitis B vaccine, third dose (HepB3)
- Haemophilus influenzae type B vaccine, third dose (Hib3)
- Poliomyelitis vaccine, third dose (Polio3)
- Measles containing vaccine, first dose (MCV1) and second dose (MCV2)
- Rotavirus vaccine, last dose (Rota)
- Pneumococcal vaccine, third dose (PCV3)
- Human Papillomavirus vaccine, last dose (HPV): vaccine to protect against certain types of human papillomavirus that can lead to cancer or genital warts.

### Interpretation of graphs

The **bi-scale map** shows both the level of coverage and the total number of infants not vaccinated for DTP3.

- Less than 80% coverage and ranked in the group of countries with the most number of under-vaccinated infants within the region.
- 80% to 89% coverage and ranked in the group of countries with the most number of under-vaccinated infants within the region.
- Greater than or equal to 90% coverage and ranked in the group of countries with the most number of under-vaccinated infants within the region.
- Less than 80% coverage and ranked in the middle group of countries in terms of number of under-vaccinated infants within the region.
- 80% to 89% coverage and ranked in the middle group of countries in terms of number of under-vaccinated infants within the region.
- Greater than or equal to 90% coverage and ranked in the middle group of countries in terms of number of under-vaccinated infants within the region.
- Less than 80% coverage and ranked in the group of countries with the least number of under-vaccinated infants within the region.
- 80% to 89% coverage and ranked in the group of countries with the least number of under-vaccinated infants within the region.
- Greater than or equal to 90% coverage and ranked in the group of countries with the least number of under-vaccinated infants within the region.

The **DTP3 coverage change from 2017 to 2018 scatter plot** shows the change in DTP3 coverage between 2017 and 2018. Countries that experienced more than 5 percentage point drop in coverage since the previous year are labelled in dark red. Similarly, countries that experienced more than 5 percentage point increase in coverage since the previous year are labelled in dark blue. Countries with no significant changes (less than 2 percentage points) are labelled in yellow.

### GRISP: Global Routine Immunization Strategies and Practices Coordinating Actions to Achieve Disease Prevention for All

The GRISP framework outlines the specific strategies and activities required to ensure the lifesaving power of routine immunization is accessible to all—regardless of who they are or where they live. It breaks down into the following nine areas:

