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**PRESENT STATUS OF IMMUNIZATION ACTIVITIES IN THE
PARTICIPATING COUNTRIES**

by

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This is a brief summary of the information provided by the Ministries of Health of Afghanistan, Democratic Yemen, Egypt, Iraq, and the Sudan. The information itself will be added to the special reference material in the Library for the use of participants during the Seminar.

It is a most welcome indication of gathering momentum of Expanded Programme of Immunization in our Region that whereas in the Report of the Damascus Expanded Programme of Immunization Seminar of 1975 it was possible to include only general descriptions of immunization facilities, and amounts of vaccines produced or imported for this seminar, five of the eight participating countries have been able to send ahead information about the numbers of children actually receiving the various vaccines in the 1974 - 1977 period, often by age group and always by 1st 2nd and 3rd dose where applicable. (Actually six countries submitted the information but the pouch from one country was considerably delayed and has not yet arrived). It is possible that some of the other three countries have brought data with them also.

As not all countries are yet presenting the data with the same age breakdowns, a summary table is presented here for the five countries where data was available on 1 December 1977.

Comment. Comparisons cannot be made because of the differing policies and circumstances of the countries. It can be seen that the data are much more helpful now that breakdown by 1st, 2nd and 3rd dose is provided. This enables us to reckon (a) the drop-out rate between first and third visit, and (b) the number of children who complete the courses of immunization compared with the number of births in the country. There are I feel two very useful indices. To calculate them year by year tells the Ministry and the responsible officers whether they are gaining or losing ground.

We must eventually refine our tables to give us not only breakdown by 1st 2nd 3rd or booster dose, but also breakdown by age, which for some vaccines such as measles and pertussis and polio is an extremely delicate and important factor in obtaining the greatest effectiveness from them. We can return in detail to this point on Tuesday next.

TABLE 1

1975

	AFGHANISTAN	DEMOCRATIC YEMEN	EGYPT	IRAQ	SUDAN
Estimated No. of live births	945.000	85.000	1.265.00	550.000	885.000
Estimated Pop. under 5 yrs	2 610 000	310 000	5.900 000	2.150 000	3 360 000
DPT 1	(Programme began July 1977)	see 1976 sheet	1 070 053	178 309	9 017 ⁽⁵⁾
DPT 2	"	"	993.560	80 320	5 623
DPT 3	"	"	976.381	68 826	4 782
Booster DPT	"	"	557.677	-	150
Ratio 1 to 3	"	"	91.2 %	38.6 %	52.0 %
Polio 1	"	"	1.757.085	223 926	11 720 ⁽⁵⁾
Polio 2	"	"	1 406.388	85 650	7 323
Polio 3	"	"	1.031.798	65 963	6 360
Polio Booster	"	"	637.956	-	315
Ratio 1 to 3	"	"	58.8 %	29.5 %	51.3 %
BCG	1 442 887 ⁽²⁾	3.603 ⁽³⁾	558.845 ⁽³⁾	110 941	425 711
Smallpox Primary	500 032 ⁽¹⁾	see 1976 sheet	1 723.964	844 009	159 241
Smallpox Secondary	-	"	3.997.606	115 036	475 037
MEASLES	Not in schedule	Not in schedule	481 658	15 050	Not in schedule
Tet Tox 1	"	"	375 372 ⁽⁴⁾	Not in schedule	"
Tet Tox 2	-	-	76 012 ⁽⁴⁾	-	-
Tet Tox Booster	-	-	22.112 ⁽⁴⁾	-	-
Ratio 3rd DPT to estimated live births as per cent			77.2 %	12.5 %	Not relevant
Ratio 3rd Polio to estimated live births as %			81.6 %	12.0 %	Not relevant

TABLE 2

1976

	AFGHANISTAN	DEMOCRATIC YEMEN (6)	EGYPT	IRAQ	SUDAN
Est No of live births	965.000	86.000	1.295.000	565.000	905 000
Est. Popula- tion under 5 yr.	2 670 000	320 000	6.045.000	2 220.000	3 440 000
DPT 1	Programme began in July 1977	9.878	1 085.637	313 648	20 859 ⁽⁸⁾
DPT 2	"	6 291	1.111.399	98.500	5 351 ⁽⁵⁾
DPT 3	"	4 867	1 058 143	73 878	4 336 ⁽⁵⁾
DPT Booster	"	1 022	672 023	-	363
Ratio 1 to 3	"	49 %	97.5 %	73.6 %	-
Polio 1	"	11 924	1 033.263	597.791	14 981 ⁽⁸⁾
Polio 2	"	7 266	1.549.580	167 172	7 063 ⁽⁵⁾
Polio 3	"	5 370	1.069.863	126.901	5 563 ⁽⁵⁾
Polio Booster	"	1 085	693.966	-	471
Ratio 1 to 3	"		103.5 %	21.2 %	-
BCG	2.079.633 ⁽²⁾	118.893	905.440	305.084	535 092
Smallpox Primary	761.348 ⁽¹⁾	75.799	1.264.613	618.214	976 343
Smallpox Secondary	-	384 659	81.750	81 750	356 037
Measles	Not in Schedule	Not in Schedule	384.311	85 250	Not in Schedule
Tet Tox 1	Not in Schedule	Not in Schedule	1.053.748 ⁽⁴⁾	Not in Schedule	Not in Schedule
Tet Tox 2	-	-	376.927 ⁽⁴⁾	-	-
Tet Tox Booster	-	-	202.101 ⁽⁴⁾	-	-
Ratio 3rd DPT to est live births %	-	2 3% ⁽⁷⁾	81.7%	13.1%	not relevant
Ratio 3rd Polio to est live births %	-	2 5% ⁽⁷⁾	82.6%	22.5%	not relevant

TABLE 3
1977
Jan 1 to June 30 only⁽⁹⁾

	AFGHANISTAN	DEMOCRATIC YEMEN	EGYPT	IRAQ	SUDAN
Est No of births Jan to June 1977	80.000 ⁽¹⁰⁾	44 000	660 000	290 000	465 000
DPT 1	9 321 ⁽¹⁰⁾	See 1976 Sheet	674 964	148 424	10 457 ⁽⁸⁾
DPT 2	-	"	541 801	64 468	4 640 ⁽⁸⁾
DPT 3	-	"	540 954	46 581	1 574 ⁽⁵⁾
DPT Booster	-	"	334 621	-	259 ⁽⁵⁾
Ratio 1 to 3	-	"	80.1 %	31.4 %	-
Polio 1	1 120 ⁽¹⁰⁾	"	627.854	176 611	6 743 ⁽⁸⁾
Polio 2		"	580.518	64 206	4 285 ⁽⁸⁾
Polio 3		"	726.938 ⁽¹¹⁾	48 904	1 942 ⁽⁵⁾
Polio Booster		"	392.753	-	297 ⁽⁵⁾
Ratio 1 to 3		"	115.8 % ⁽¹¹⁾	29.7 %	
BCG	1 457 560	1 600 ⁽³⁾	564 450	169 904	766 191
Smallpox Primary	223 708	See 1976 Sheet	713 281	227 170	319 633
Smallpox Secondary		" "	3.507 760	81 048	111 385
Measles	Not in schedule yet	Not in schedule	230.004	-	Not in schedule
Tet Tox 1	Not in schedule	Not in schedule	243.146 ⁽⁴⁾	Not in schedule	Not in schedule
Tet Tox 2	-	-	181.032 ⁽⁴⁾	-	-
Tet Tox Booster	-	-	126.370 ⁽⁴⁾	-	-
Ratio 3rd DPT to estimated births %	-	-	82.0 %	16.1 %	Not relevant
Ratio 3rd Polio to estimated births %	-	-	110.1 % ⁽¹¹⁾	16.9 %	Not relevant

Notes on Tables 1 to 3

- (1) 0 - 4 years
- (2) 0 - 14 years
- (3) mainly to newborns
- (4) all susceptible groups in population
- (5) DPT and Polio. from Khartoum Province Health Centres only
- (6) For 1975 and 1976 and first half of 1977, combined
- (7) For estimated births Jan 1975 to June 1977
- (8) Khartoum Province Health Centres plus EPI (Development phase)
- (9) For Democratic Yemen see 1976 table
- (10) For the month of July 1977 only
- (11) Special Polio Vaccination Campaign Nov 1976 - April 1977