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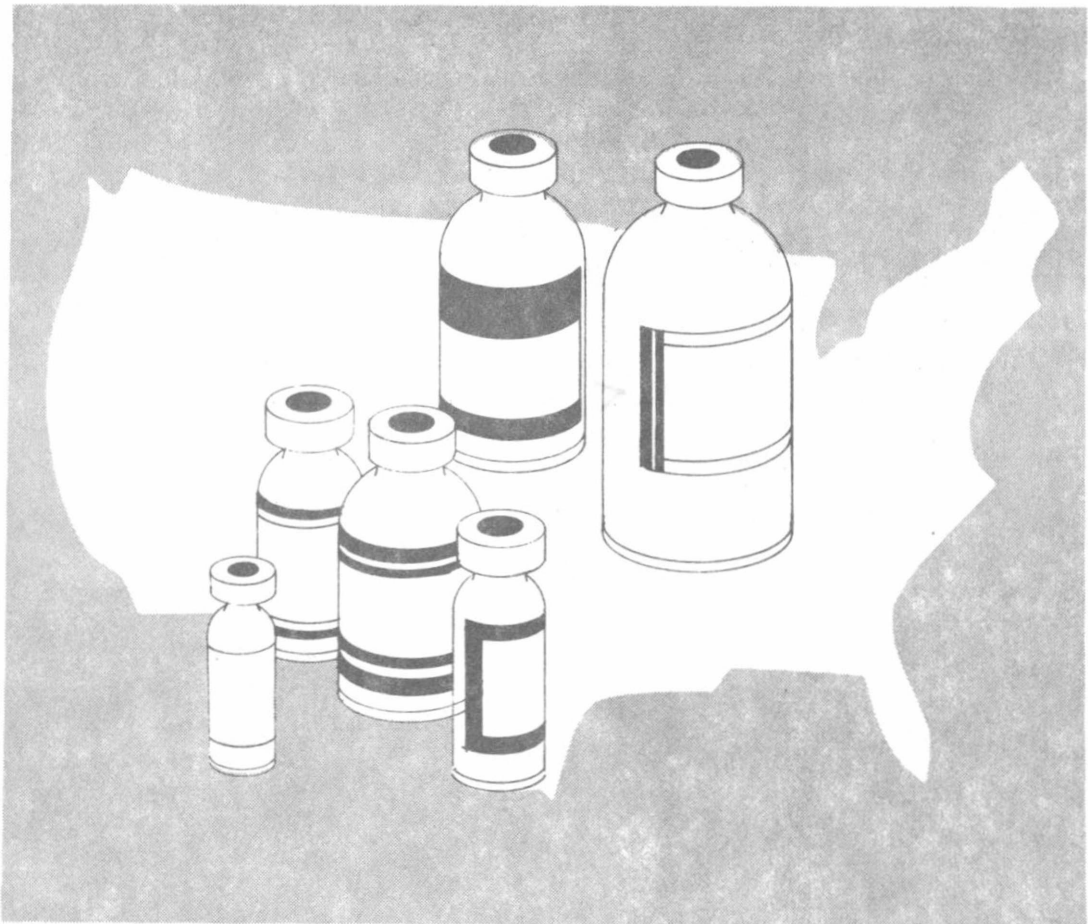
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CENTER FOR DISEASE CONTROL

BIOLOGICS

SURVEILLANCE

REPORT NO. 72
OCTOBER, NOVEMBER, DECEMBER, 1977
ANNUAL SUMMARY 1977



U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICES
CENTER FOR DISEASE CONTROL

COOPERATING IN THIS PROGRAM ARE THE FOLLOWING:

Armour Pharmaceutical Company

Michigan Department of Health

Hyland Laboratories

Parke, Davis & Company

Lederle Laboratories

Sclavo, Inc.

Eli Lilly and Company

Texas State Department of Health

Massachusetts Department of Public Health

Wyeth Laboratories

Merck Sharp & Dohme

Merrell-National Laboratories

CENTER FOR DISEASE CONTROL

William H. Foege, M.D.
Director

ADVISORY COMMITTEE ON
IMMUNIZATION PRACTICES

H. Bruce Dull, M.D.
Secretary

BUREAU OF STATE SERVICES

J. D. Millar, M.D.
Director

BIOLOGICS SURVEILLANCE

Donald L. Eddins, Chief
Dona D. Ludwig

BIOLOGICS SURVEILLANCE

This summary is intended primarily for those concerned with the national use and application of immunizing agents. Although the "Net Distribution" figures are recognized as representing rough approximations only, we believe that a continuing analysis of this kind, interpreted in the light of national and local immunization surveys, will aid in assessing the overall immunization status of the population. It is anticipated that a knowledge of utilization and inventory data will assist in foreseeing possible critical shortages in vaccine supply.

Each major antigen is represented in the form of a line graph showing "Estimated Net Distribution" for the previous year and through the current month of this year. Estimated net distribution represents doses of each vaccine distributed for use during the reporting period and is depicted as gross sales or distribution less recordable returned doses. In addition, specific data is tabulated for each antigen reported during this quarter and is cumulated from the first of the year until present time. Civilian and military data have been combined.

To maintain confidentiality of an individual commercial manufacturer's report for economic and production reasons, current tabulations are available only when at least three producers market and report figures for essentially the same product. This is a basic agreement of the Biologics Surveillance program.

In some instances, where adequate time has elapsed since production and distribution, manufacturers have allowed the data to be released when not all the criteria of confidentiality could be met. Addition of these data to the summaries completes the "natural history" of early patterns of vaccine utilization.

MONTHLY BIOLOGIC SUMMARY FOR OCTOBER 1977

PRODUCT DESCRIPTION	NET NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NUMBER OF DOSES RETURNED DURING MONTH	NUMBER OF FIN- ISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NUMBER OF FIN- ISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine, Bivalent*** Monovalent	2,670,780 -113,540	2,966,780 320	296,000 113,860	1,126,590 690,910	12,120 -
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	96,738	105,403	8,665	514,615	305,867
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,209,679	1,253,030	43,351	3,116,881	2,280,010
Tetanus Toxoid with Diphtheria Toxoid (adult)	942,850	962,538	19,688	2,619,281	449,976
Diphtheria Toxoid	230	230	-	2,520	3,900
Tetanus Toxoid	942,583	988,073	45,490	4,399,678	571,376
Pertussis Vaccine	6,640	6,640	-	9,510	11,580
Poliomyelitis Vaccine, Live, Oral, Trivalent	**	**	**	**	**
Measles Virus Vaccine, Live, Attenuated*	677,790	694,289	16,499	1,402,303	-
Rubella Virus Vaccine, Live*	658,717	691,306	32,589	659,407	-
Smallpox Vaccine	145,941	168,416	22,475	322,685	15,488,325
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	304,325	317,780	13,456	872,119	337,996
Tetanus Immune Globulin, Human (reported in cc's)	118,191	120,512	2,321	178,360	744,682

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent vaccines

MONTHLY BIOLOGIC SUMMARY FOR NOVEMBER 1977

PRODUCT DESCRIPTION	NET NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NUMBER OF DOSES RETURNED DURING MONTH	NUMBER OF FINISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NUMBER OF FINISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine, Bivalent***	96,490	398,830	302,340	906,410	-
Monovalent	-146,190	140	146,330	-	-
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	58,768	68,298	9,530	457,290	281,940
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,317,683	1,342,170	24,487	3,459,457	1,860,564
Tetanus Toxoid with Diphtheria Toxoid (adult)	533,280	802,983	269,703	2,737,227	351,442
Diphtheria Toxoid	330	330	-	1,984	3,900
Tetanus Toxoid	880,065	908,178	28,113	4,686,278	1,281,257
Pertussis Vaccine	2,100	2,100	-	7,410	11,580
Poliomyelitis Vaccine, Live, Oral, Trivalent	**	**	**	**	**
Measles Virus Vaccine, Live, Attenuated*	529,851	541,705	11,854	1,541,829	-
Rubella Virus Vaccine, Live*	570,171	592,460	22,289	589,622	-
Smallpox Vaccine	298,878	317,053	18,175	349,595	15,159,100
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	259,515	272,566	13,051	1,092,737	257,914
Tetanus Immune Globulin, Human (reported in cc's)	89,430	92,538	3,108	116,685	714,824

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent vaccines

MONTHLY BIOLOGIC SUMMARY FOR DECEMBER 1977

PRODUCT DESCRIPTION	NET NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	GROSS NUMBER OF DOSES SOLD OR DISTRIBUTED THIS MONTH	NUMBER OF DOSES RETURNED DURING MONTH	NUMBER OF FIN- ISHED DOSES READY FOR IMMEDIATE SHIPMENT AT MONTH END	NUMBER OF FIN- ISHED DOSES NOT READY FOR IMMEDIATE SHIPMENT
Influenza Virus Vaccine, Bivalent***	-397,505	88,825	486,330	1,151,510	-
Monovalent	-112,180	-	112,180	-	-
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	50,694	62,584	11,890	437,590	306,676
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,256,653	1,322,080	65,427	2,877,757	827,450
Tetanus Toxoid with Diphtheria Toxoid (adult)	861,105	921,909	60,804	2,540,877	706,826
Diphtheria Toxoid	150	150	-	700	3,900
Tetanus Toxoid	589,731	740,468	150,737	5,317,789	1,499,005
Pertussis Vaccine	3,030	3,030	-	4,380	11,580
Poliomyelitis Vaccine, Live, Oral, Trivalent	**	**	**	**	**
Measles Virus Vaccine, Live, Attenuated*	767,032	778,140	11,108	6,232,794	-
Rubella Virus Vaccine, Live*	680,747	698,748	18,001	611,982	-
Smallpox Vaccine	148,194	159,894	11,700	352,781	15,492,800
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	278,827	289,424	10,597	973,646	137,744
Tetanus Immune Globulin, Human (reported in cc's)	98,263	100,742	2,479	92,758	714,824

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent vaccines

NET DISTRIBUTION OF BIOLOGICS

UNITED STATES

1977

Product Description	Net Doses Distributed	
	October- December	January- December
Influenza Virus Vaccine, Bivalent	2,369,765	21,749,587
Monovalent	-371,910	5,199,485
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	206,200	904,966
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	3,784,015	16,862,740
Tetanus Toxoid with Diphtheria Toxoid (adult)	2,337,235	9,650,244
Diphtheria Toxoid	710	3,590
Tetanus Toxoid	2,412,379	12,942,190
Pertussis Vaccine	8,740	21,110
Poliomyelitis Vaccine, Live, Oral, Trivalent	**	23,211,560
Measles Virus Vaccine, Live, Attenuated*	1,974,673	10,675,623
Rubella Virus Vaccine, Live*	1,982,514	7,698,639
Smallpox Vaccine	593,013	4,493,239
Rabies Vaccine	**	**
Immune Serum Globulin, Human <i>(reported in cc's)</i>	842,667	4,905,267
Tetanus Immune Globulin, Human <i>(reported in cc's)</i>	305,884	1,320,590

*all products containing this antigen

**not shown since fewer than three distributors reported

***includes polyvalent and bivalent vaccines

TOTAL NET DOSES DISTRIBUTED

UNITED STATES, 1973-1977

BIOLOGICS	1973	1974	1975	1976	1977
Influenza Virus Vaccine, Bivalent ² ***	17,176,751	21,142,461	24,198,025	36,426,235	21,749,587
Influenza Virus Vaccine, Monovalent	**	**	**	48,992,625	5,199,485
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	1,311,804	1,107,220	1,060,365	1,111,653	904,966
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	17,998,226	17,491,646	17,333,487	19,021,934	16,862,740
Tetanus Toxoid with Diphtheria Toxoid (Adult)	7,336,844	6,875,790	8,763,624	9,843,770	9,650,244
Diphtheria Toxoid	**	**	**	3,716	3,590
Tetanus Toxoid	16,794,409	15,253,744	13,343,429	17,721,235	12,942,190
Pertussis Vaccine	146,889	106,626	47,766	91,133	21,110
Poliomyelitis Vaccine, Live, Oral, Trivalent	24,866,411	25,237,035	24,804,475	19,474,835	23,211,560
Measles Virus Vaccine, Live, Attenuated ¹	7,406,078	7,060,278	7,378,229	7,478,646	10,675,623
Mumps	3,624,000	3,790,000	4,811,000	4,417,000	4,092,773
Rubella Virus Vaccine, Live ¹	7,805,092	7,592,810	7,809,057	6,398,353	7,698,639
Smallpox Vaccine	8,190,062	6,984,035	6,232,300	3,802,743	4,493,239
Rabies Vaccine	**	**	**	181,516	**
Immune Serum Globulin, Human (reported in cc's)	7,569,781	6,676,509	6,684,871	8,144,494	4,905,267
Tetanus Immune Globulin, Human (reported in cc's)	1,152,840	1,121,428	1,075,563	1,548,325	1,320,590

**Not shown since fewer than three distributors reported

***Includes polyvalent and bivalent vaccines

¹All products containing this vaccine²June-December 1975 includes polyvalent and bivalent vaccines

Figure 1
DIPHTHERIA TOXOID, PERTUSSIS VACCINE, AND TETANUS TOXOID
NET DISTRIBUTION BY MONTH – UNITED STATES

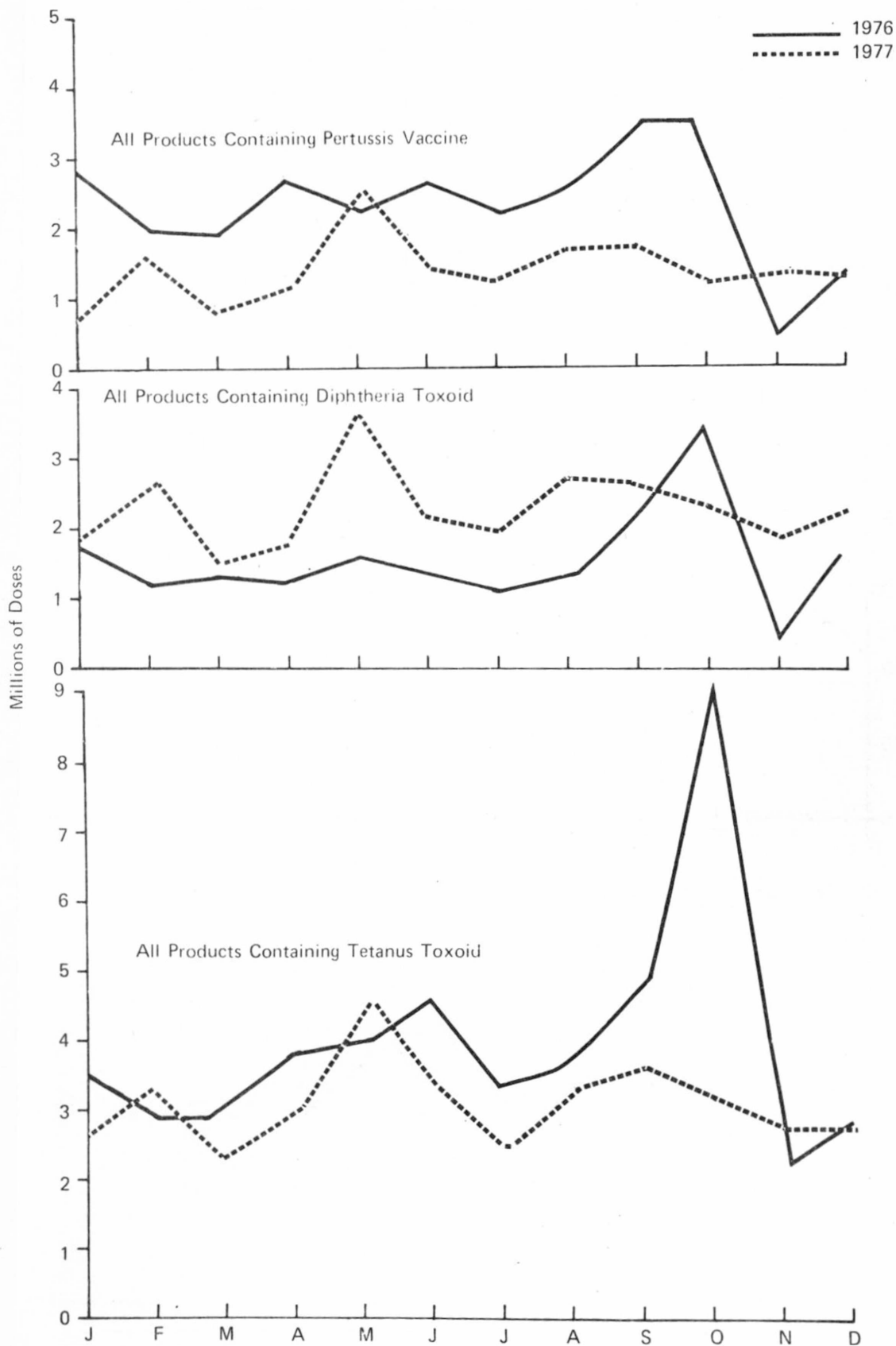


Figure 2
POLIOVIRUS VACCINE, LIVE, ORAL, TRIVALENT
NET DISTRIBUTION BY MONTH - UNITED STATES

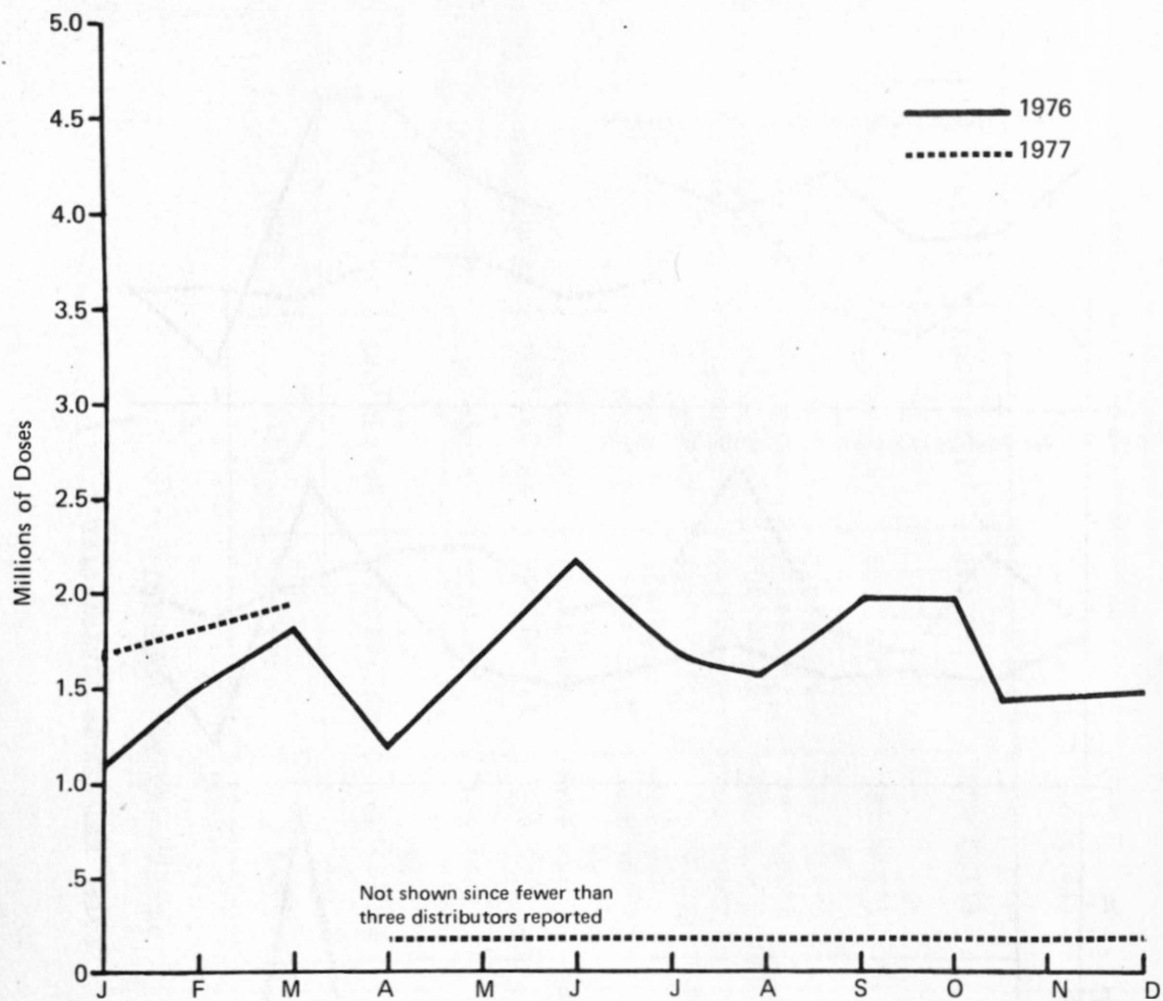


Figure 3
LIVE ATTENUATED MEASLES VACCINE*
NET DISTRIBUTION BY MONTH – UNITED STATES

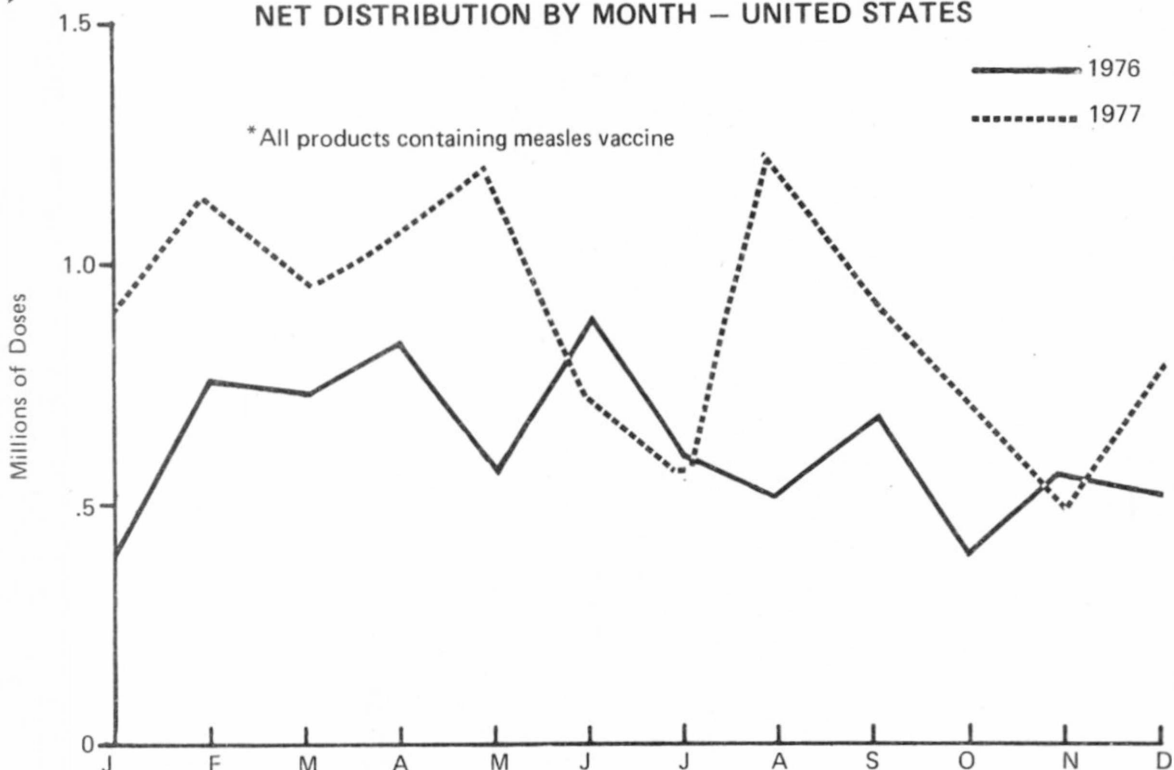


Figure 4
LIVE RUBELLA VACCINE*
NET DISTRIBUTION BY MONTH – UNITED STATES

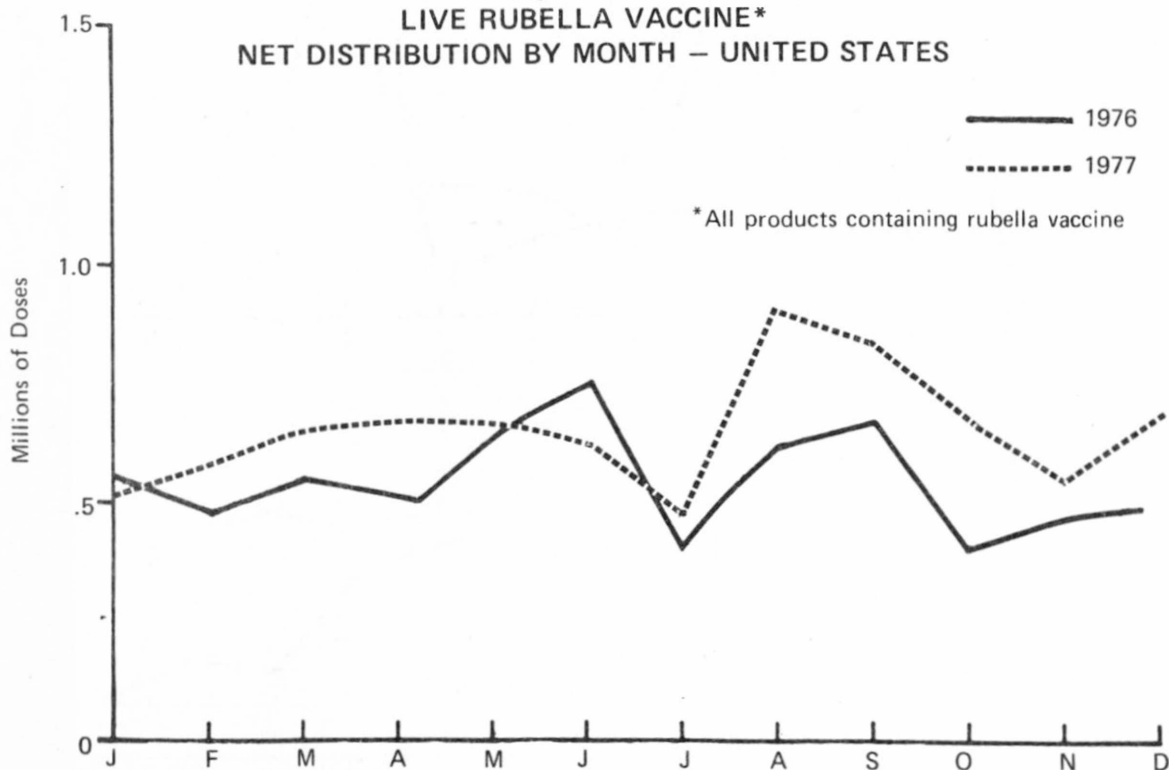


Figure 5
SMALLPOX VACCINE
NET DISTRIBUTION BY MONTH — UNITED STATES

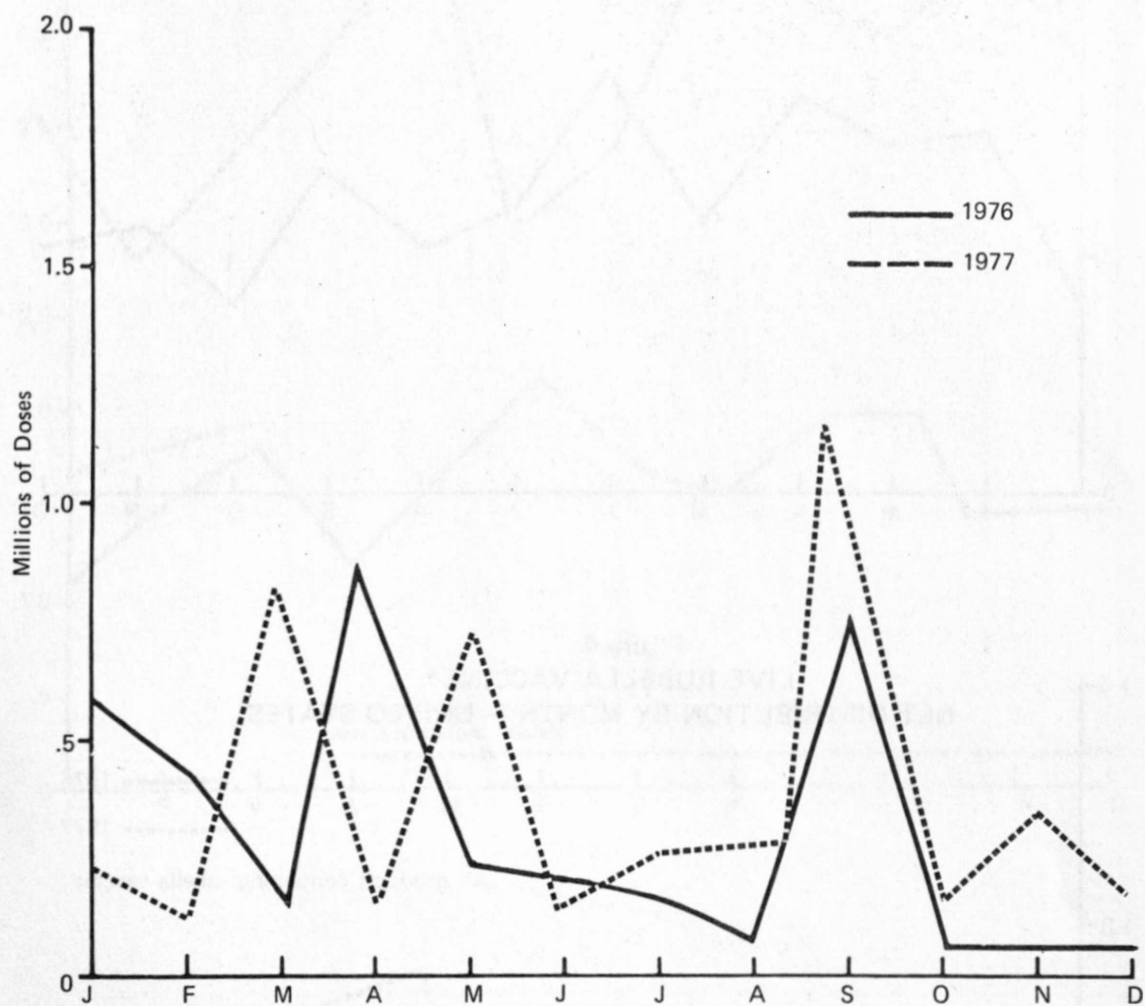
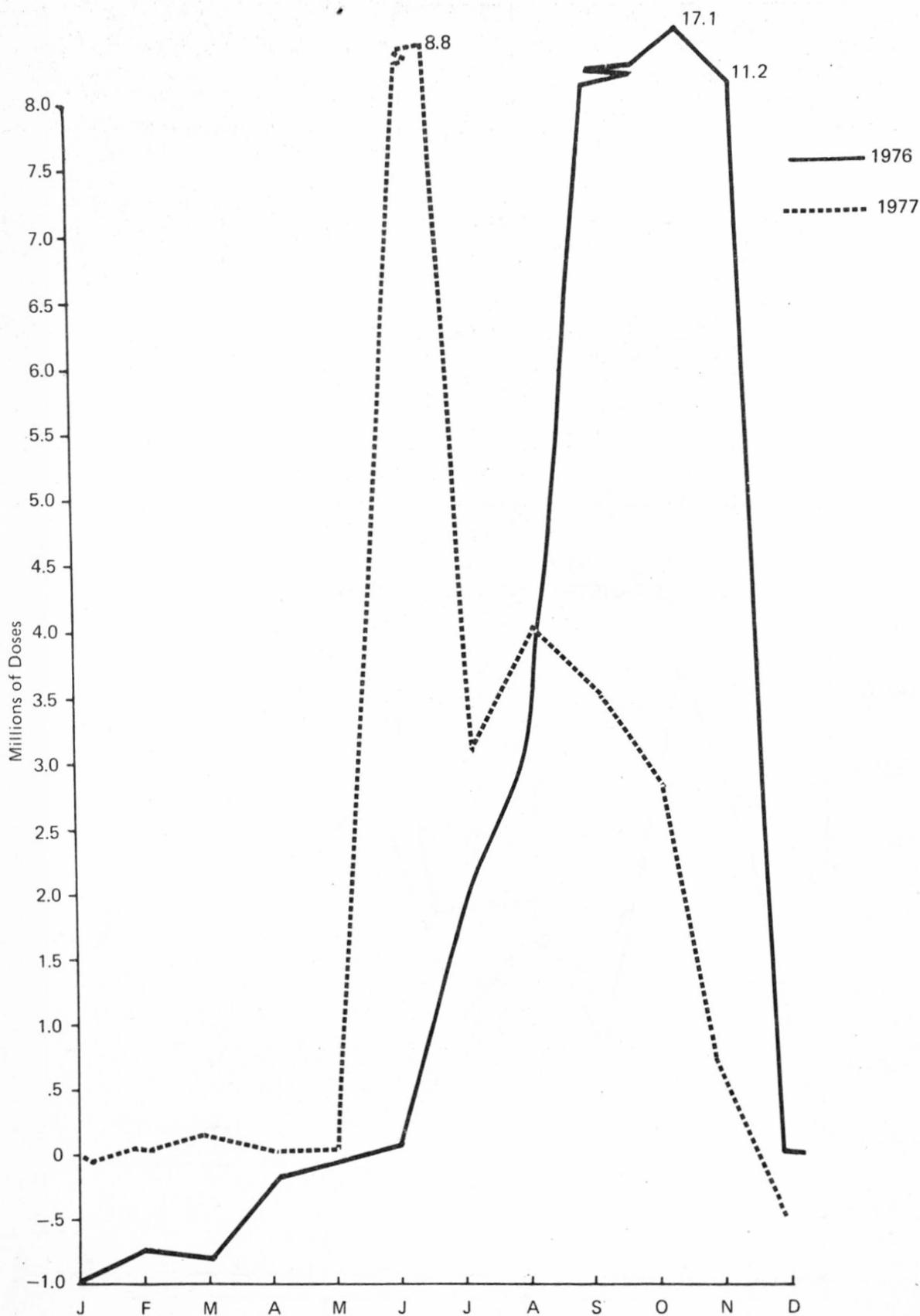


Figure 6
 BIVALENT INFLUENZA VIRUS VACCINE*
 NET DISTRIBUTION BY MONTH – UNITED STATES



*June 1975 - June 1976 includes polyvalent and bivalent vaccines

Figure 7
IMMUNE SERUM GLOBULIN (HUMAN)
NET DISTRIBUTION BY MONTH - UNITED STATES

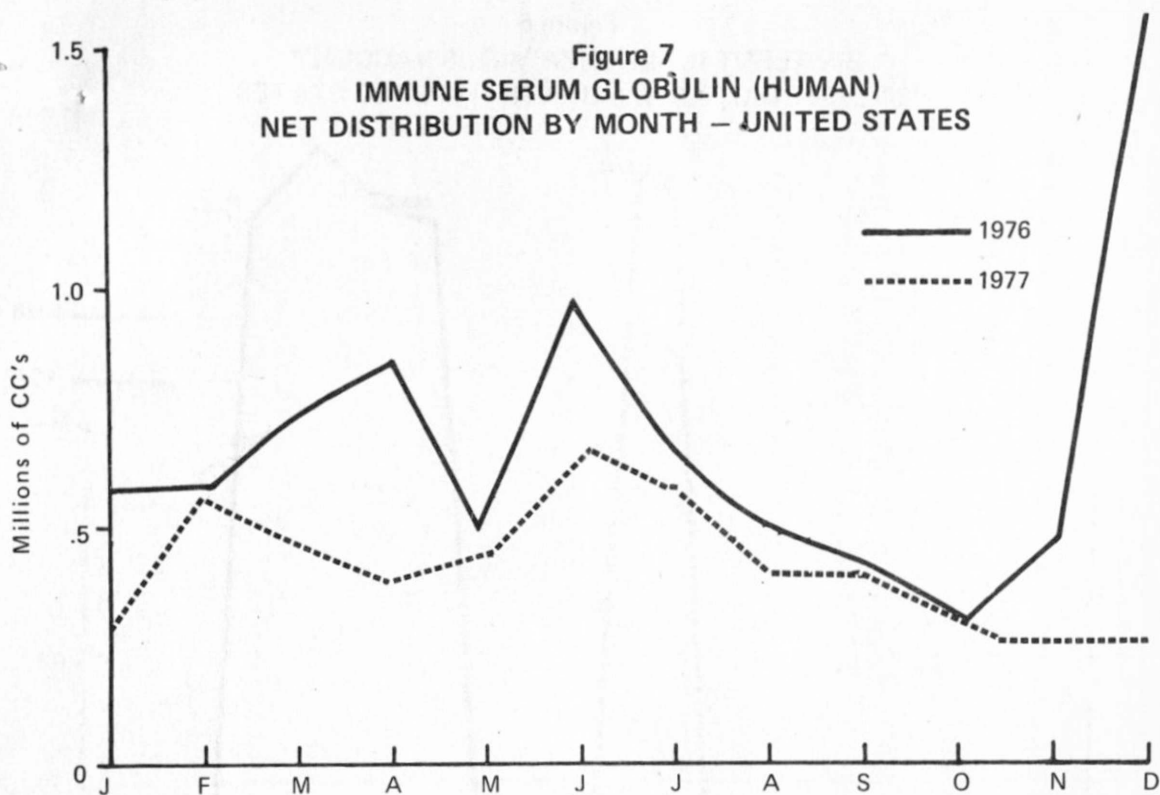


Figure 8
TETANUS IMMUNE GLOBULIN
NET DISTRIBUTION BY MONTH - UNITED STATES

