

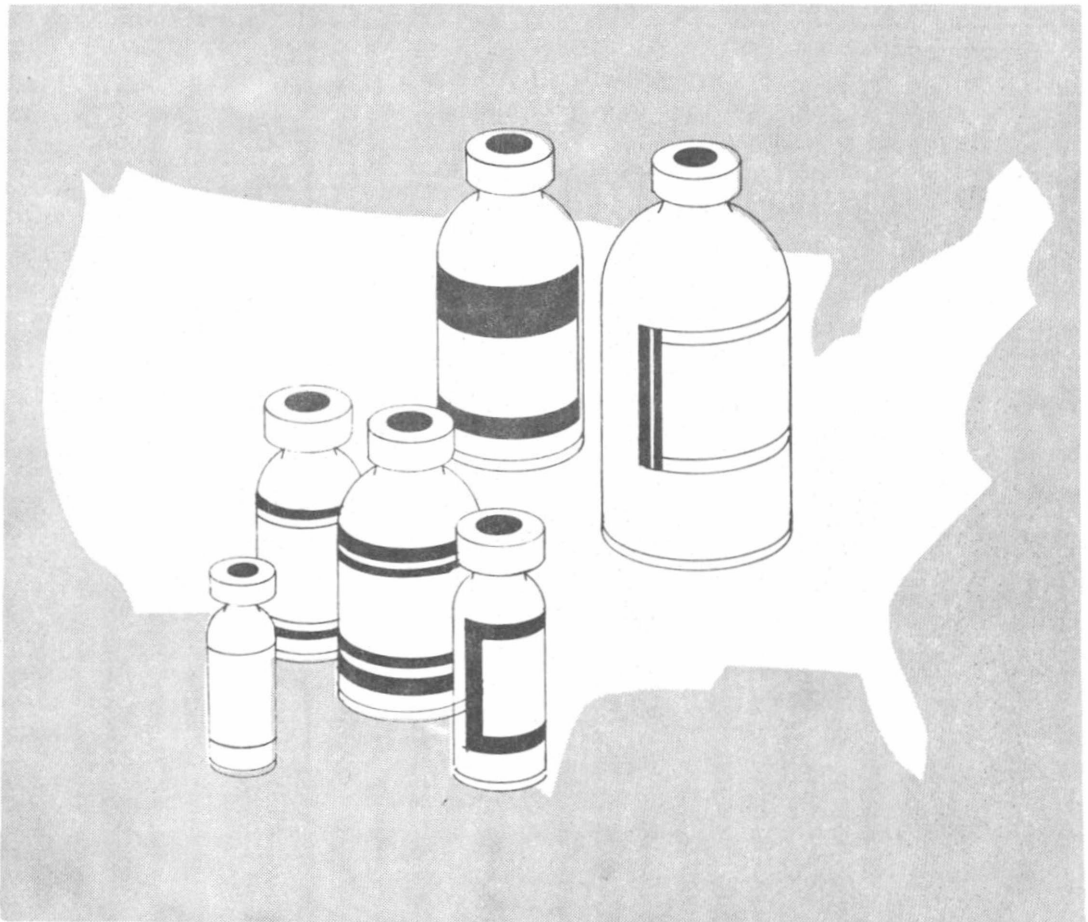
CENTER FOR DISEASE CONTROL

# BIOLOGICS

SURVEILLANCE

REPORT NO. 74

APRIL, MAY, JUNE 1978



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

Hyland Laboratories

Lederle Laboratories

Eli Lilly and Company

Massachusetts Department of Public Health

Merck Sharp & Dohme

Michigan Department of Health

Parke, Davis & Company

Sclavo, Inc.

Texas State Department of Health

Wyeth 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

IMMUNIZATION DIVISION

Alan R. Hinman  
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 APRIL 1978

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***	-384,090	5,480	389,570	1,560,640	0
, Monovalent	- 89,650	0	89,650	0	0
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	56,092	66,265	10,173	588,062	277,173
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,145,672	1,173,075	27,403	3,063,657	2,044,230
Tetanus Toxoid with Diphtheria Toxoid (adult)	571,977	581,117	9,140	1,377,983	412,905
Diphtheria Toxoid	30	30	0	1,990	1,900
Tetanus Toxoid	800,515	825,289	24,774	4,281,224	1,041,058
2 Pertussis Vaccine	16,550	16,550	0	11,300	49,680
Poliomyelitis Vaccine, Live, Oral, Trivalent	2,343,150	2,343,150	0	1,984,370	0
Measles Virus Vaccine, Live, Attenuated*	719,828	737,811	17,983	854,157	0
Rubella Virus Vaccine, Live*	579,027	599,111	20,084	717,853	0
Smallpox Vaccine	853,441	861,216	7,775	194,695	15,811,625
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	237,141	250,925	13,784	1,127,088	200,926
Tetanus Immune Globulin, Human (reported in cc's)	104,688	110,143	5,455	108,029	773,306
Mumps Virus Vaccine, Live*	321,619	321,619	0	0	0

\*all products containing this antigen

\*\*not shown since fewer than three distributors reported

\*\*\*includes polyvalent and bivalent vaccines

MONTHLY BIOLOGIC SUMMARY FOR MAY 1978

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*** , Monovalent	-273,990 - 62,080	6,510 0	280,500 62,080	1,569,430 0	0 0
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	66,847	78,505	11,658	557,997	331,708
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,761,147	1,779,415	18,268	2,567,022	1,141,092
Tetanus Toxoid with Diphtheria Toxoid (adult)	1,140,797	1,146,507	5,710	1,328,274	668,070
Diphtheria Toxoid	0	0	0	1,990	1,900
Tetanus Toxoid	1,026,840	1,063,568	36,728	5,068,619	1,107,268
Pertussis Vaccine	3,290	3,290	0	10,330	9,510
Poliomyelitis Vaccine, Live, Oral, Trivalent	2,277,010	2,277,010	0	2,879,740	0
Measles Virus Vaccine, Live, Attenuated*	888,207	938,083	49,876	667,949	0
Rubella Virus Vaccine, Live*	739,574	778,087	38,513	601,645	0
Smallpox Vaccine	1,220,726	1,227,301	6,575	128,195	13,734,275
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	370,963	387,177	16,214	817,092	580,086
Tetanus Immune Globulin, Human (reported in cc's)	149,464	153,867	4,403	117,376	762,366
Mumps Virus Vaccine, Live*	485,495	485,495	0	0	0

\*all products containing this antigen

\*\*not shown since fewer than three distributors reported

\*\*\*includes polyvalent and bivalent vaccines

## MONTHLY BIOLOGIC SUMMARY FOR JUNE 1978

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 ***	-148,750	2,540	151,290	987,530	0
, Monovalent	- 42,160	0	42,160	0	0
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	82,551	93,165	10,614	682,806	283,906
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	1,775,176	1,779,555	24,379	2,627,701	456,126
Tetanus Toxoid with Diphtheria Toxoid (adult)	702,616	714,336	11,720	1,273,114	595,090
Diphtheria Toxoid	110	110	0	1,880	1,900
Tetanus Toxoid	1,154,177	1,176,799	22,622	4,988,276	733,592
Pertussis Vaccine	24,570	24,570	0	23,030	9,510
Poliomyelitis Vaccine, Live, Oral, Trivalent	1,779,880	1,779,880	0	1,255,780	0
Measles Virus Vaccine, Live, Attenuated*	584,898	612,191	27,293	555,740	0
Rubella Virus Vaccine, Live*	494,161	520,933	26,772	619,551	0
Smallpox Vaccine	258,594	262,794	4,200	392,620	13,443,425
Rabies Vaccine	**	**	**	**	**
Immune Serum Globulin, Human (reported in cc's)	407,371	420,099	12,728	892,968	366,042
Tetanus Immune Globulin, Human (reported in cc's)	128,621	134,554	5,933	57,915	762,350
Mumps Virus Vaccine, Live*	343,742	343,742	0	0	0

\*all products containing this antigen

\*\*not shown since fewer than three distributors reported

\*\*\*includes polyvalent and bivalent vaccines

**NET DISTRIBUTION OF BIOLOGICS**  
**UNITED STATES**  
1978

<b>Product Description</b>	<b>Net Doses Distributed</b>	
	<b>Apr - Jun</b>	<b>Jan - Jun</b>
Influenza Virus Vaccine, Bivalent***	-806,830	-2,159,070
, Monovalent	-193,890	412,980
Diphtheria Toxoid with Tetanus Toxoid (pediatric)	205,490	343,585
Diphtheria and Tetanus Toxoids with Pertussis Vaccine	4,681,995	7,937,150
Tetanus Toxoid with Diphtheria Toxoid (adult)	2,415,390	3,579,600
Diphtheria Toxoid	140	810
Tetanus Toxoid	2,981,532	4,897,669
Pertussis Vaccine	44,410	45,030
Poliomyelitis Vaccine, Live, Oral, Trivalent	6,400,040	11,543,035
Measles Virus Vaccine, Live, Attenuated*	2,192,933	4,135,694
Rubella Virus Vaccine, Live*	1,812,762	3,516,728
Smallpox Vaccine	2,332,761	2,617,278
Rabies Vaccine	**	**
Immune Serum Globulin, Human <i>(reported in cc's)</i>	1,015,475	1,914,534
Tetanus Immune Globulin, Human <i>(reported in cc's)</i>	382,773	625,378
Mumps Virus Vaccine, Live*	1,150,856	2,095,090

\*all products containing this antigen

\*\*not shown since fewer than three distributors reported

\*\*\*includes polyvalent and bivalent vaccines

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

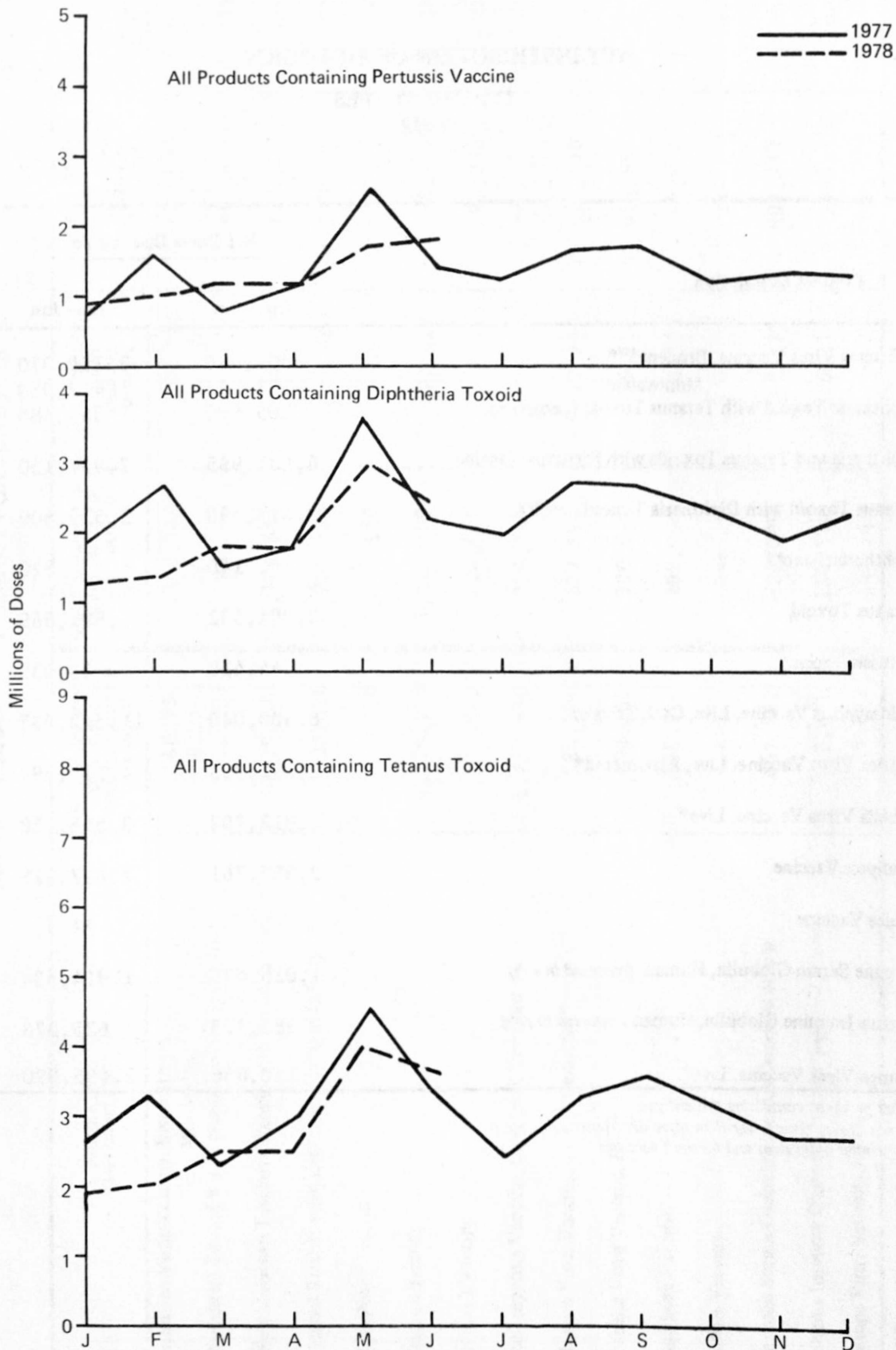
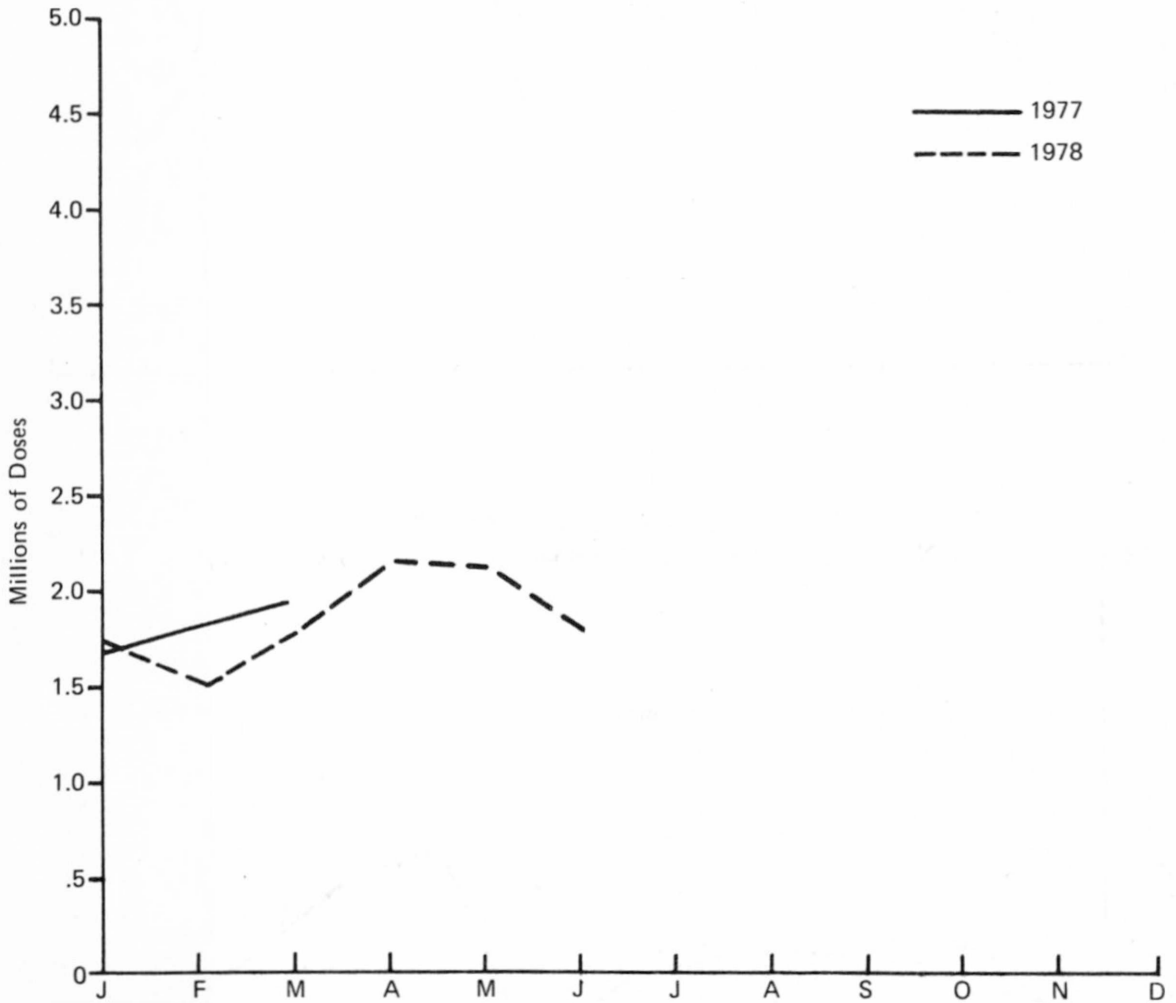
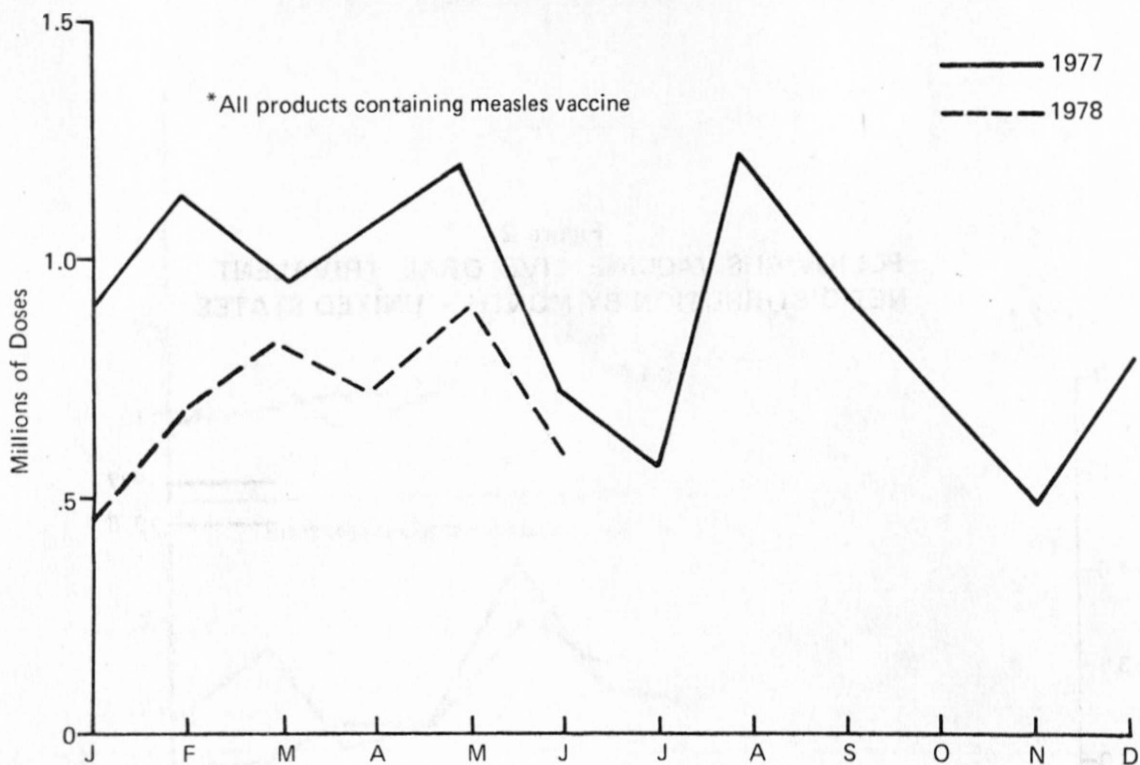




Figure 2  
POLIOVIRUS VACCINE, LIVE, ORAL, TRIVALENT  
NET DISTRIBUTION BY MONTH – UNITED STATES



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



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

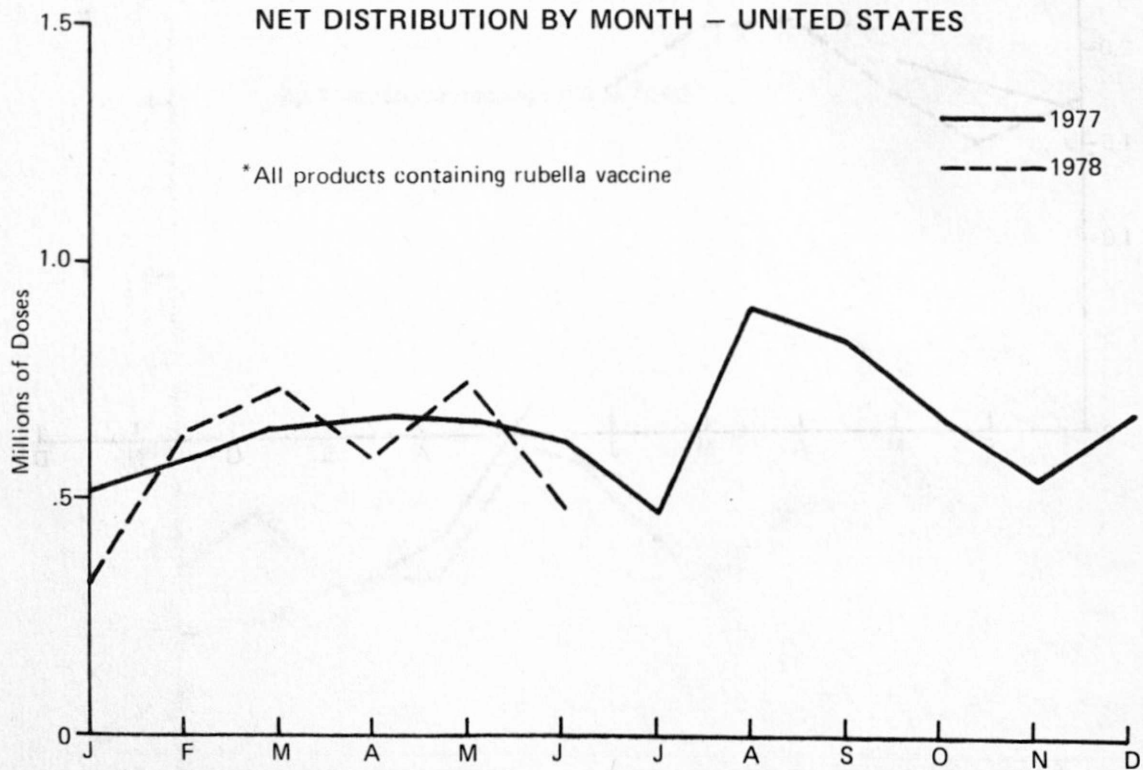


Figure 5  
SMALLPOX VACCINE  
NET DISTRIBUTION BY MONTH – UNITED STATES

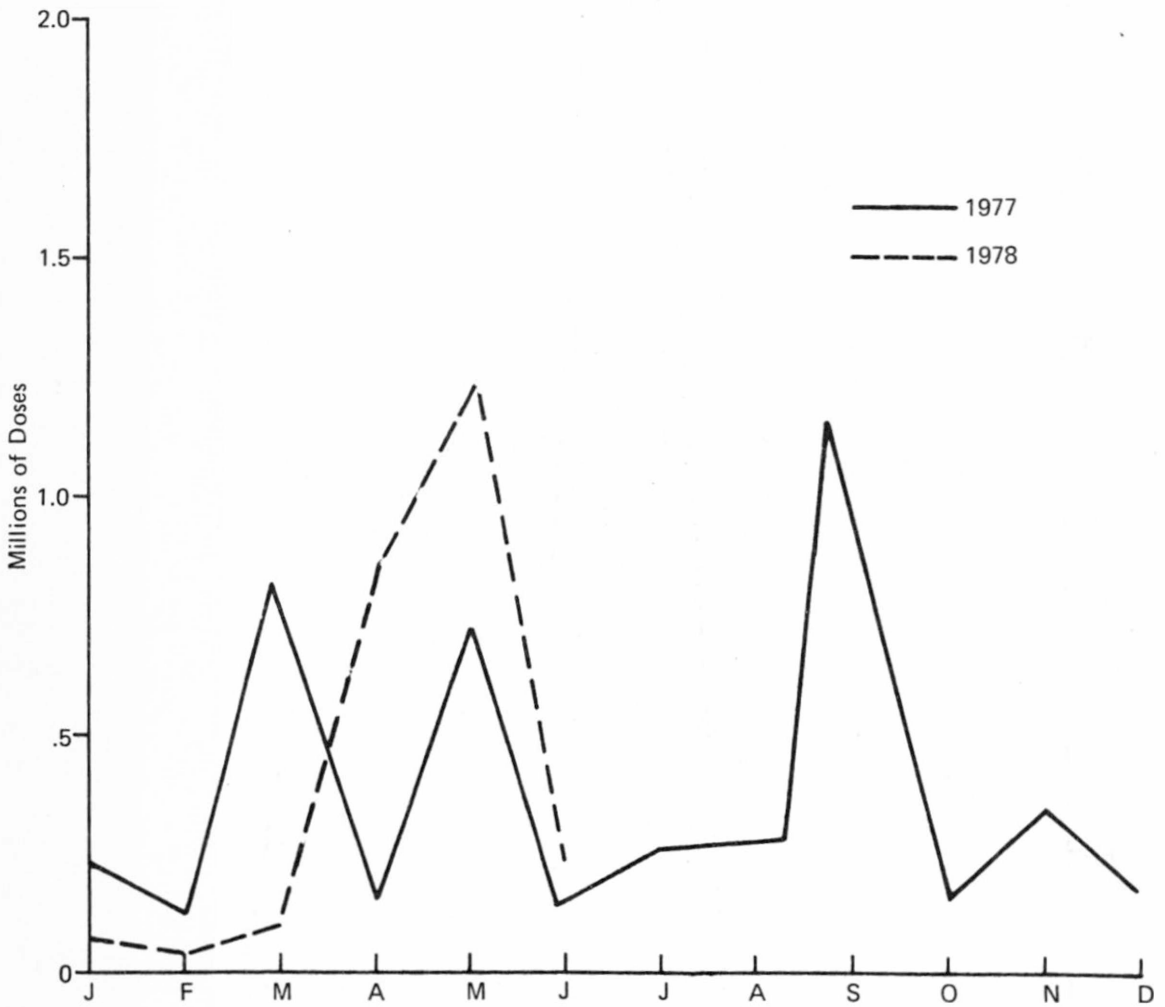
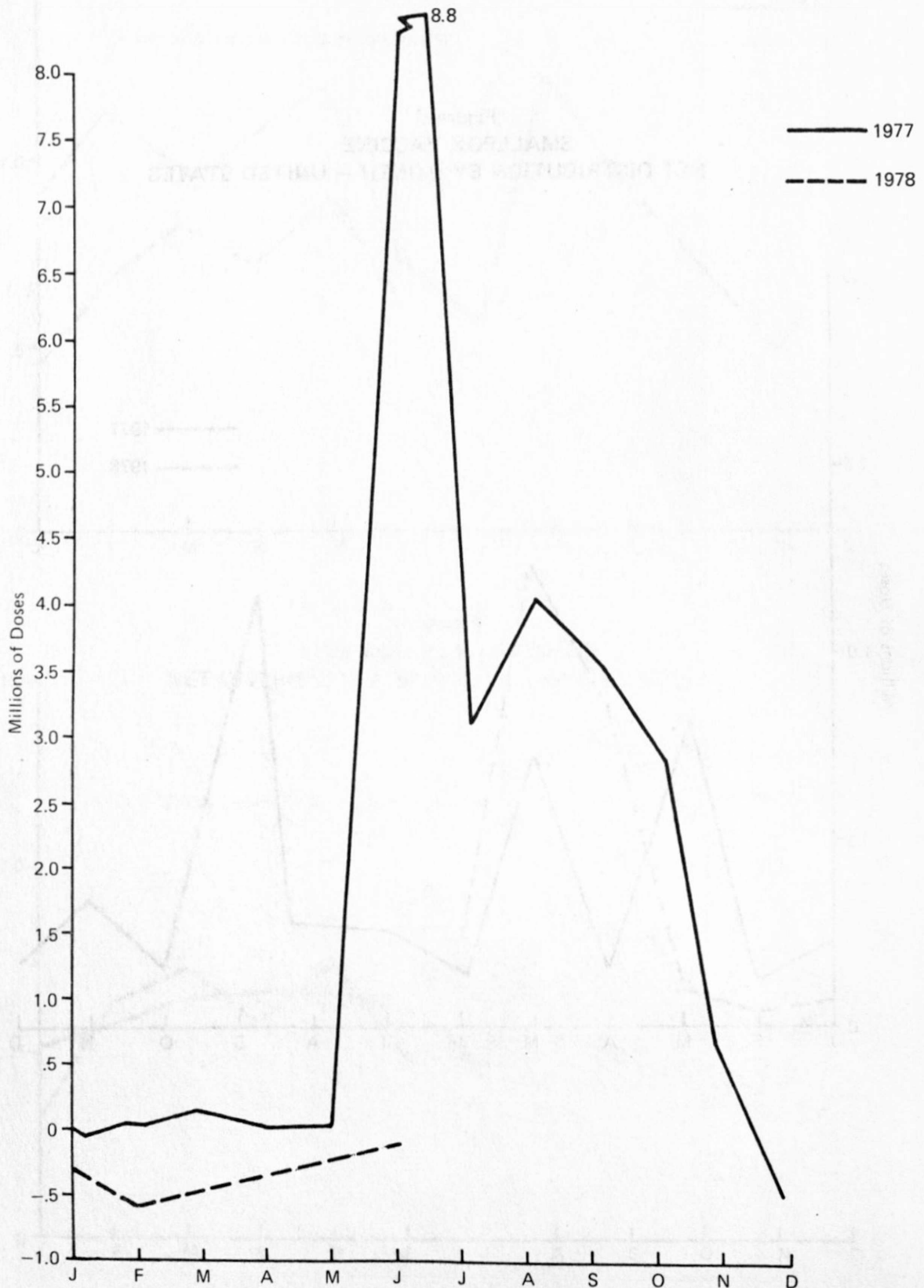
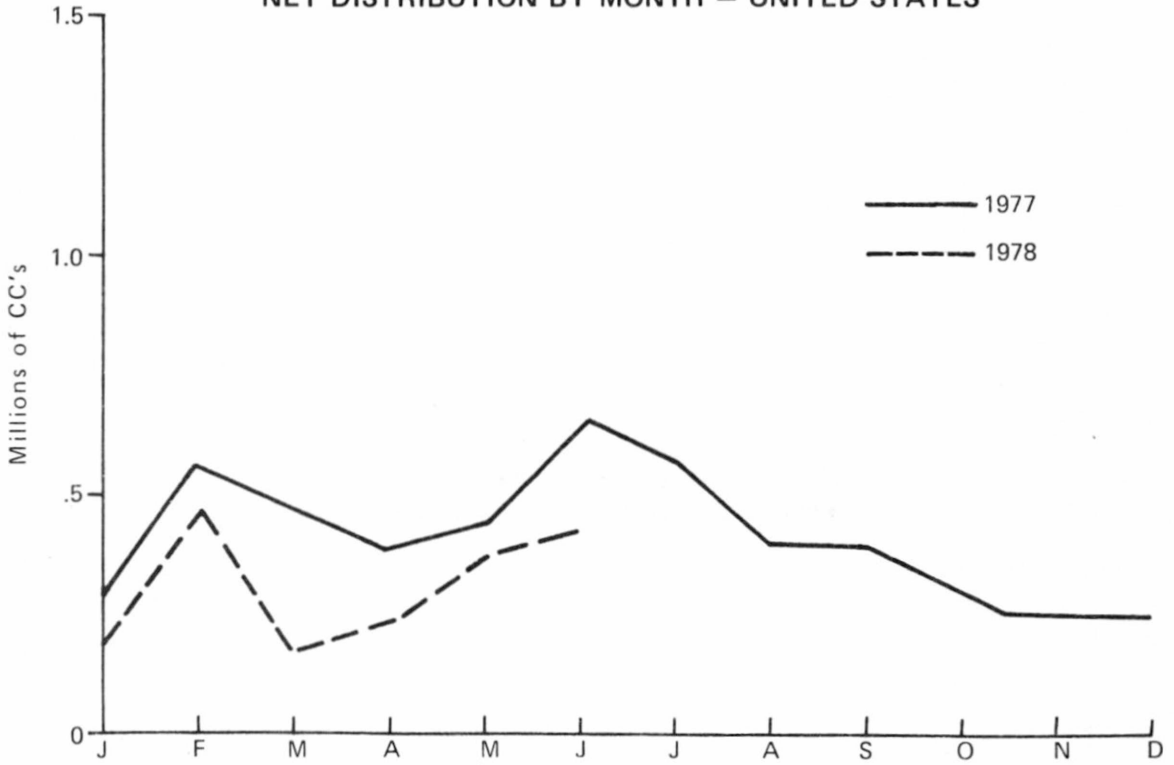


Figure 6  
BIVALENT INFLUENZA VIRUS VACCINE  
NET DISTRIBUTION BY MONTH - UNITED STATES



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



**Figure 8**  
**TETANUS IMMUNE GLOBULIN**  
**NET DISTRIBUTION BY MONTH – UNITED STATES**



**Figure 9**  
**Mumps Vaccine\***  
**Net Distribution By Month – United States**

