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# **The Arab-Israeli Military Balance in 2002**

## **Part One**

### **Military Efforts, Expenditures, and Arms Sales**

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## **February 2002**

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Table 1.1

The Arab-Israeli Balance: An Past Israeli View of the Arab Threat as One Including All of the Arab Forces in the Region

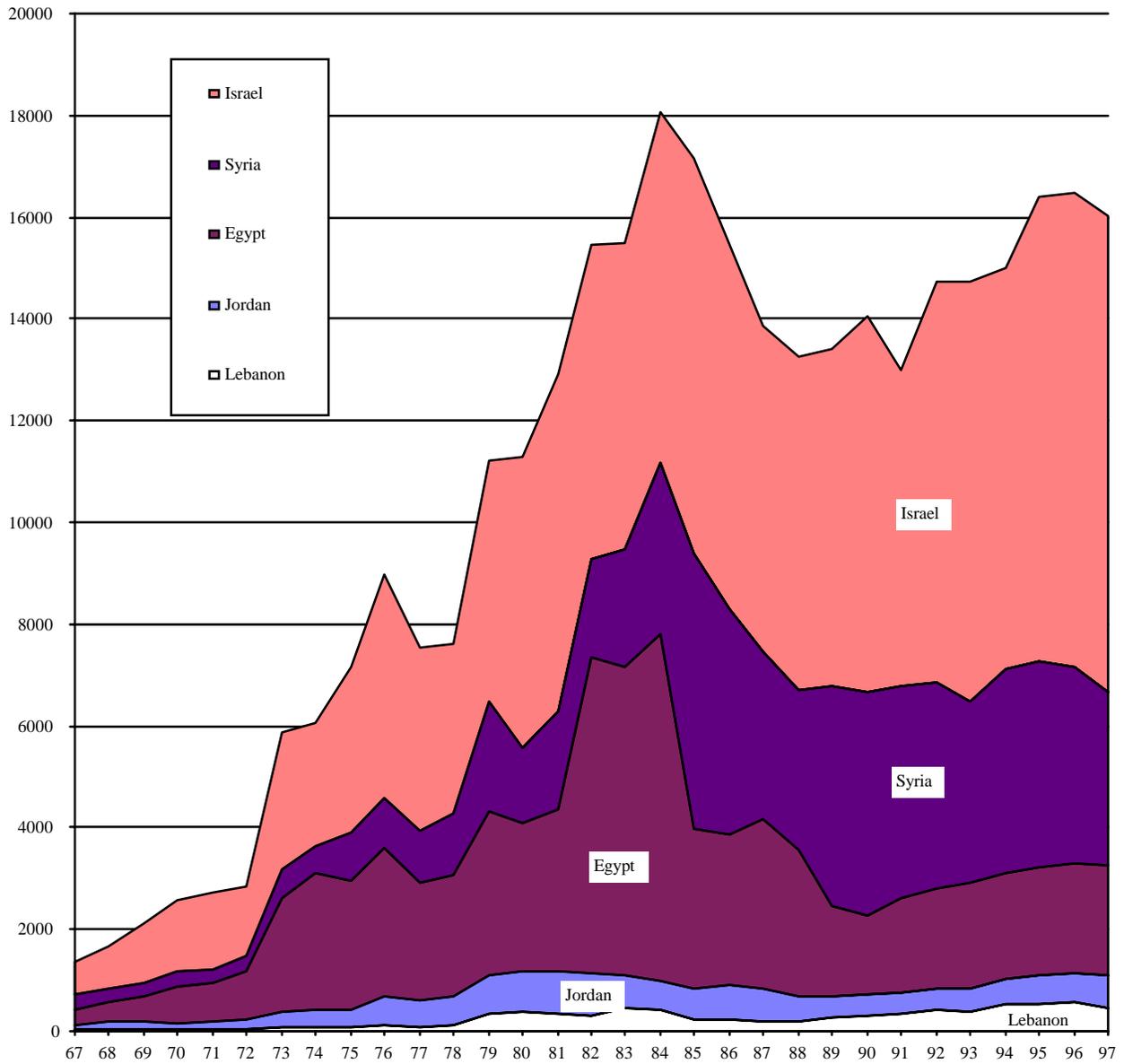
| <u>Category/ Weapon</u>       | <u>1984</u> |        |       | <u>1994</u> |        |       |
|-------------------------------|-------------|--------|-------|-------------|--------|-------|
|                               | Arab        | Israel | Ratio | Arab        | Israel | Ratio |
| A. Land Forces                |             |        |       |             |        |       |
| Divisions                     |             |        |       |             |        |       |
| Armor                         | 10          | 11     | 0.9   | 16          | 12     | 1.3   |
| Mechanized                    | 10          | -      | -     | 14          | -      | -     |
| Infantry                      | 3           | -      | -     | 3           | 4      | 0.8   |
| Total                         | 23          | 11     | 2.1   | 33          | 16     | 2.1   |
| Independent Brigades          | 51          | 20     | 2.5   | 44          | 13     | 3.4   |
| Tanks                         | 8065        | 3650   | 2.2   | 10400       | 3850   | 2.7   |
| Other Armored Vehicles        | 8470        | 8000   | 1.1   | 13250       | 8100   | 1.6   |
| Artillery & Mortars           | 6050        | 1000   | 6.0   | 6100        | 1300   | 4.7   |
| B. Air Forces and Air Defense |             |        |       |             |        |       |
| Interceptors                  |             |        |       |             |        |       |
| High Quality                  | 130         | 40     | 3.3   | 215         | 75     | 2.9   |
| Others                        | 620         | -      | -     | 478         | -      | -     |
| Total                         | 750         | 40     | 18.8  | 693         | 75     | 9.5   |
| Strike/FGA                    |             |        |       |             |        |       |
| High Quality                  | 496         | 445    | 1.1   | 72          | 204    | 0.4   |
| Others                        | 354         | 185    | 1.9   | 467         | 463    | 1.1   |
| Total                         | 850         | 530    | 1.6   | 539         | 667    | 1.2   |
| Total Combat Aircraft         | 1635        | 670    | 2.4   | 1236        | 742    | 1.8   |
| Helicopters                   |             |        |       |             |        |       |
| Attack                        | 161         | 55     | 2.9   | 280         | 115    | 2.4   |
| Other                         | 324         | 133    | 2.4   | 362         | 138    | 2.6   |
| Total                         | 485         | 188    | 2.6   | 642         | 253    | 2.5   |
| Military Airfields            | 48          | 11     | 4.4   | 65          | 11     | 5.9   |
| C. Naval Forces               |             |        |       |             |        |       |
| Major Missile Surface         | 8           | 0      | -     | 14          | 0      | -     |
| Major Non-Missile Surface     | 8           | 0      | -     | 2           | 0      | -     |
| Submarines                    | 18          | 3      | 6.0   | 17          | 3      | 5.7   |
| Missile Patrol Boats          | 67          | 24     | 2.8   | 67          | 19     | 3.5   |
| Landing Craft                 |             |        |       |             |        |       |

Source: Adapted by the Author from Shlomo Gazit, Zeev Eytan, The Middle East Military Balance, 1984-1994, JCSS/Westview, Tel Aviv/Boulder, 1995, pp. 494-499. Note that the JCSS does not count the balance in this way any longer, and only provides country numbers for either the entire Arab-Israeli subregion or a military balance for Israel and Syria.

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Figure 2.1

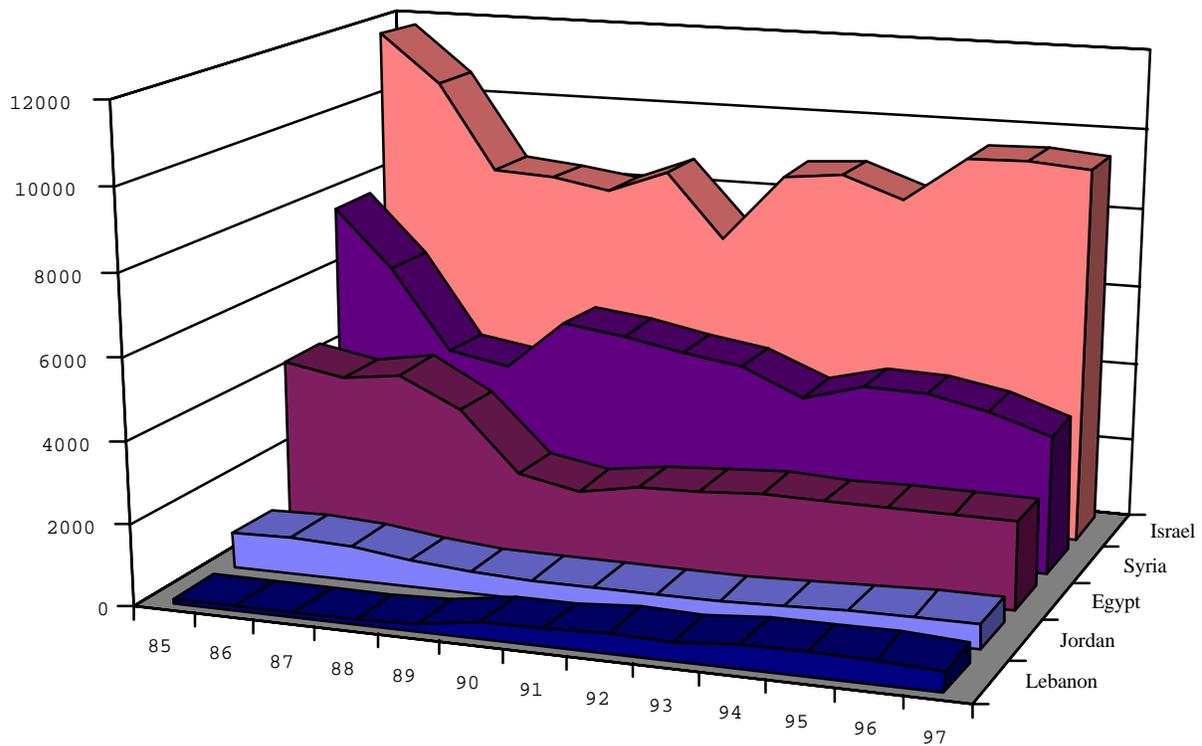
Trend in Total Arab-Israeli Military Spending by Country: 1967-1997  
(in \$US Current Millions)



Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers, Washington, GPO, various editions, Table I. Note that the author has made extensive estimates for Syria and Lebanon, and that the ACDA data differ in definition over time. The author has made extensive adjustments using editions in an attempt to make the data more comparable over the entire period, but this is not fully possible for the period from 1967-1973.

Figure 2.2

National Trends in Arab-Israeli Military Spending in Constant Dollars: The Decline in Arab Forces as a Share of Total Spending: 1985-1997  
 (In \$US 1997 Constant Millions)



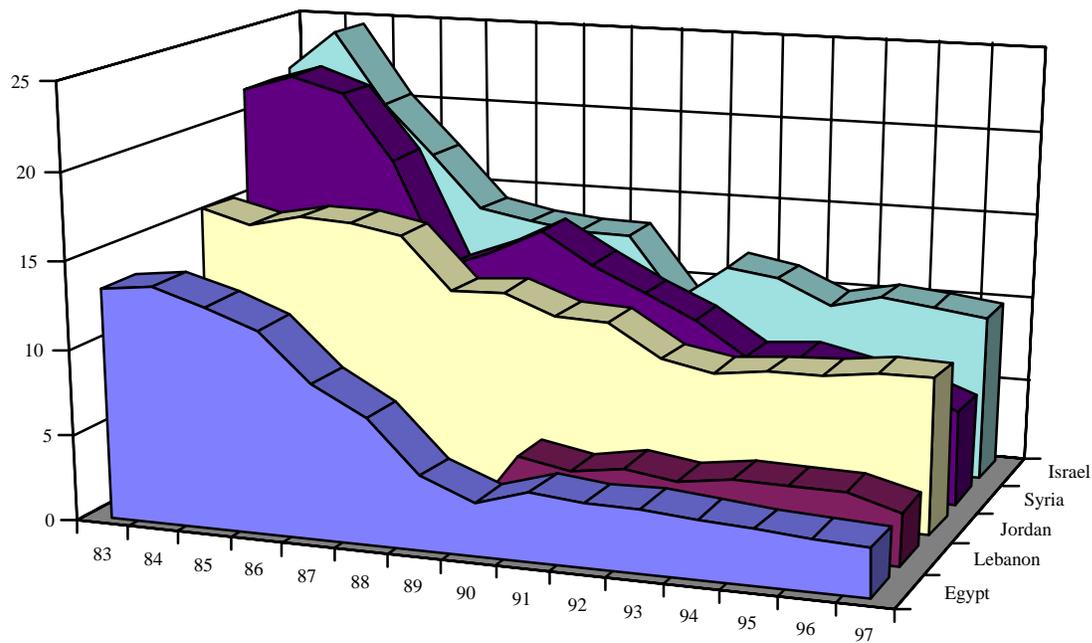
|           | 85    | 86    | 87   | 88   | 89   | 90   | 91   | 92   | 93   | 94   | 95   | 96   | 97   |
|-----------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|
| ■ Lebanon | 120   | 85    | 75   | 120  | 150  | 370  | 400  | 471  | 428  | 541  | 556  | 561  | 465  |
| ■ Jordan  | 870   | 910   | 813  | 626  | 523  | 471  | 478  | 470  | 477  | 535  | 581  | 609  | 626  |
| ■ Egypt   | 4430  | 4150  | 4380 | 3600 | 2160 | 1840 | 2070 | 2150 | 2230 | 2190 | 2180 | 2170 | 2180 |
| ■ Syria   | 7750  | 6320  | 4280 | 4000 | 5240 | 5045 | 4720 | 4500 | 3870 | 4260 | 4210 | 3920 | 3400 |
| ■ Israel  | 11750 | 10555 | 8400 | 8280 | 8060 | 8620 | 7040 | 8730 | 8880 | 8330 | 9440 | 9490 | 9340 |

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers, Washington, GPO, Table I, various editions.

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Figure 2.3

Trend in Percent of GNP Spent on Military Forces: 1983-1997: Half the Burden of the Early 1980s



|           | 83   | 84   | 85   | 86   | 87   | 88   | 89   | 90   | 91   | 92   | 93   | 94  | 95   | 96   | 97  |
|-----------|------|------|------|------|------|------|------|------|------|------|------|-----|------|------|-----|
| ■ Egypt   | 13.4 | 13.7 | 12.8 | 11.7 | 8.9  | 7.3  | 4.3  | 3.1  | 4    | 3.7  | 3.7  | 3.4 | 3.2  | 3    | 2.8 |
| ■ Lebanon | -    | -    | -    | -    | -    | -    | -    | 4.1  | 3.5  | 4    | 3.5  | 4   | 3.9  | 3.8  | 3   |
| ■ Jordan  | 15.6 | 14.9 | 15.5 | 15.4 | 14.8 | 12   | 12   | 10.8 | 10.7 | 8.8  | 8.3  | 8.6 | 8.7  | 9    | 9   |
| ■ Syria   | 21.8 | 22.7 | 21.8 | 18   | 11.7 | 12.9 | 14.4 | 12.6 | 11.1 | 9.7  | 7.8  | 8   | 7.4  | 6.7  | 5.6 |
| ■ Israel  | 22.2 | 24.5 | 20.3 | 17.3 | 14.2 | 13.6 | 13.2 | 13.2 | 9.4  | 11.7 | 11.2 | 9.8 | 10.5 | 10.1 | 9.7 |

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers," Washington, GPO, Table I, various editions.

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Table 2.1

IISS Estimate of Military Spending and Manpower Trends: 1985-2000

Trend: 1985 versus 2000 \* (\$US are in Constant 1999 prices)

| Country | Military Expenditures<br>in \$US Millions |       |       | Military Spending<br>Per Capita (\$US) |       |       | Military Spending<br>as a % of GDP |     |     | Military Manpower (1,000s) |       |         |       |
|---------|---|-------|-------|--|-------|-------|------------------------------------|-----|-----|----------------------------|-------|---------|-------|
|         | 85  | 99    | 00    | 85                                     | 99    | 00    | 85                                 | 99  | 00  | Active                     |       | Reserve | Para  |
|         |   |       |       |  |       |       |                                    |     |     | 85                         | 00    | 00      | 00    |
| Israel  | 7,486                                     | 8,846 | 9,373 | 1,768                                  | 1,465 | 1,512 | 21.2                               | 8.9 | 8.9 | 142                        | 172.5 | 400     | 8.0   |
| Egypt   | 3,827                                     | 2,988 | 2,821 | 79                                     | 45    | 45    | 7.2                                | 3.4 | 3.2 | 445                        | 448.5 | 254     | 230   |
| Jordan  | 891                                       | 588   | 510   | 255                                    | 95    | 76    | 15.9                               | 7.7 | 6.9 | 70.3                       | 103.9 | 35      | 45    |
| Lebanon | 296                                       | 563   | 553   | 111                                    | 164   | 468   | 9.0                                | 3.4 | 3.5 | 17.4                       | 63.6  | n.a.    | 13    |
| Syria   | 5,161                                     | 989   | 760   | 491                                    | 63    | 47    | 16.4                               | 5.6 | 5.6 | 402.5                      | 316   | 396     | 108.8 |
| Iraq    | 13,752                                    | 1,500 | 1,470 | 897                                    | 66    | 64    | 37.9                               | 7.6 | 9.7 | 1,000                      | 429   | 650     | 50    |
| Libya   | 2,000                                     | 1,311 | 1,176 | 531                                    | 236   | 210   | 6.2                                | 5.1 | 3.2 | 73                         | 76    | 40      | .5    |

Annual Expenditures in Dollars \*\* (\$US are in Current Billions)

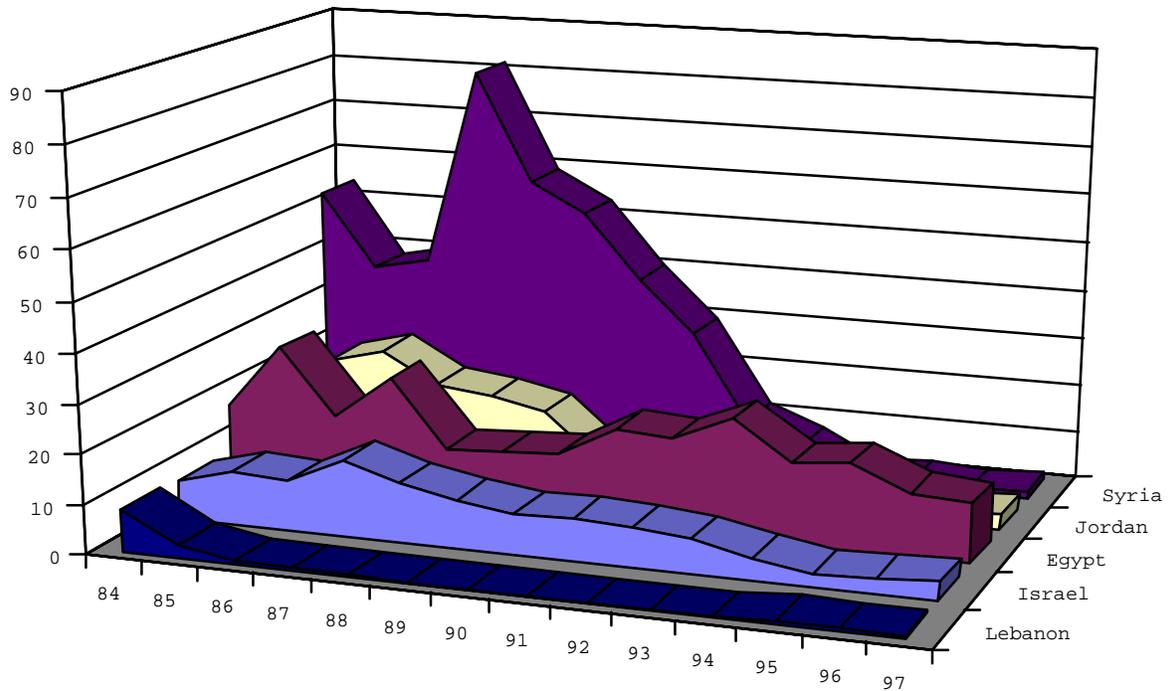
|                       | 1990  | 1991  | 1992  | 1993  | 1994  | 1995  | 1996  | 1997  | 1998  | 1999  | 2000  |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Israel                | 6.16  | 5.0   | 7.4   | 6.2   | 6.7   | 9.3   | 11.0  | 11.3  | 9.2   | 8.9   | 9.37  |
| Egypt                 | 1.57  | 1.65  | 2.1   | 2.48  | 2.2   | 2.5   | 2.7   | 2.7   | 2.8   | 3.0   | 2.82  |
| Jordan                | 0.571 | 0.415 | 0.525 | 0.430 | 0.537 | 0.448 | 0.451 | 0.496 | 0.548 | 0.569 | 0.510 |
| Lebanon               | 0.140 | 0.176 | 0.233 | 0.275 | 0.363 | 0.490 | 0.484 | 0.676 | 0.594 | 0.560 | 0.553 |
| Palestinian Authority | -     | -     | -     | -     | 0.084 | 0.170 | 0.248 | 0.250 | 0.300 | 0.500 |       |
| Syria                 | 1.62  | 4.5   | 2.2   | 2.38  | 2.1   | 1.7   | 2.0   | 2.2   | 1.7   | 1.9   | 0.760 |
| Iraq                  | 8.61  |       | 2.5   | 2.6   | 2.7   | 1.3   | 1.3   | 1.3   | 1.3   | 1.4   | 1.47  |
| Libya                 | 1.82  | 2.7   | 2.3   | 1.091 | 1.4   | 1.4   | 1.3   | 1.3   | 1.5   | 1.3   | 1.17  |

\* Source: Adapted by Anthony H. Cordesman from International Institute for Strategic Studies, Military Balance, 2001-2002, London, IISS/Oxford, 2001.

\*\* Source: Adapted by Anthony H. Cordesman from International Institute for Strategic Studies, Military Balance, various editions. Data for the Palestinian Authority is the security budget and includes police and law enforcement. Figures in parenthesis are the military budget and normally use a different definition from the estimate of actual spending shown in earlier years.

Figure 2.4

Arab-Israeli Arms Imports as a Percent of Total Imports: 1984-1997  
(In Percent)

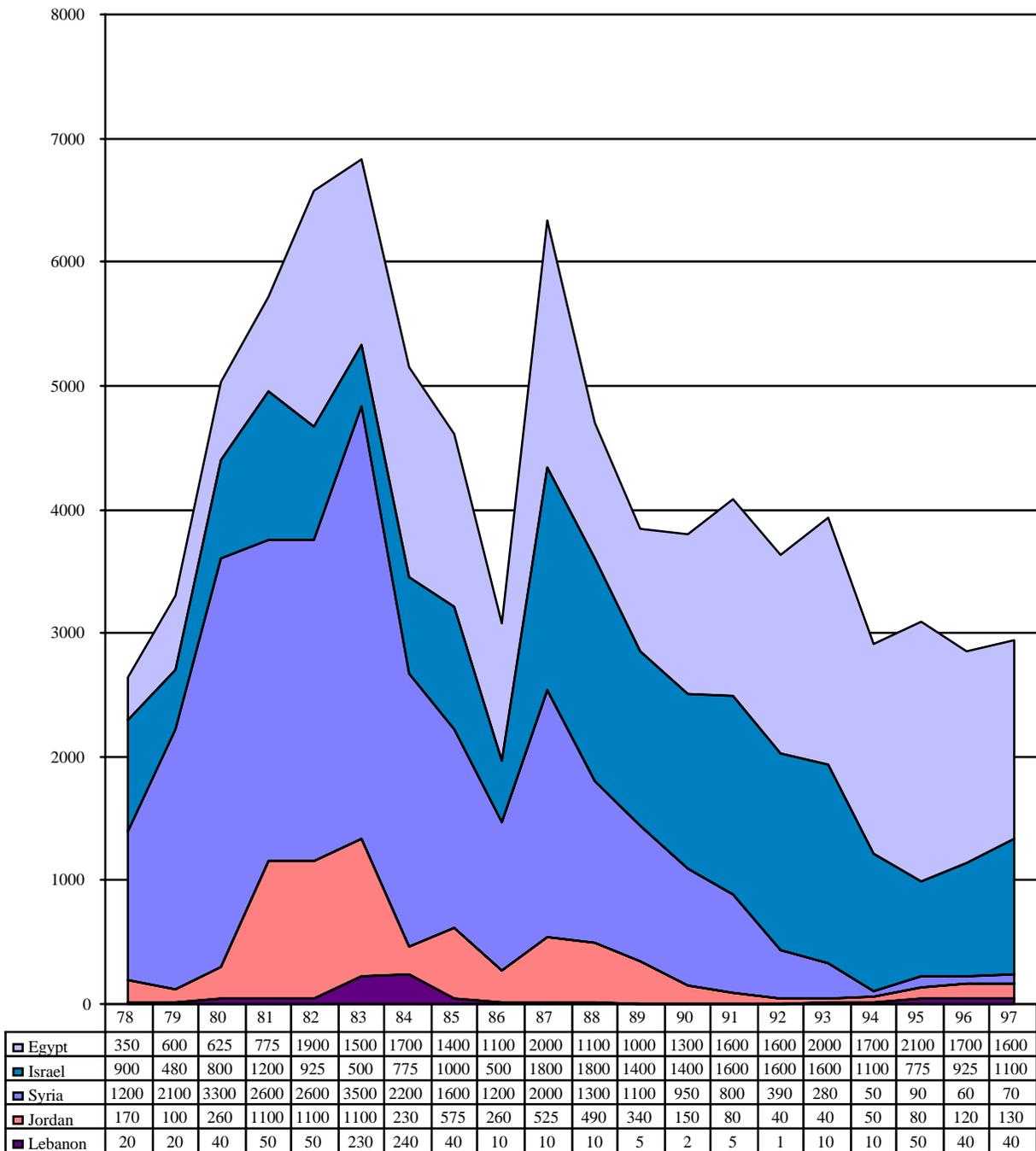


|           | 84   | 85   | 86   | 87   | 88   | 89   | 90   | 91   | 92   | 93   | 94   | 95   | 96  | 97   |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|-----|------|
| ■ Lebanon | 8.5  | 2.5  | 0.5  | 0.5  | 0.4  | 0.2  | 0    | 0.1  | 0    | 0.2  | 0.2  | 0.7  | 0.5 | 0.5  |
| ■ Israel  | 8.1  | 10.9 | 10.2 | 15.3 | 12   | 9.7  | 8.3  | 8.6  | 7.9  | 7.1  | 4.4  | 2.6  | 2.9 | 3.6  |
| ■ Egypt   | 17.6 | 30.9 | 17.3 | 26.3 | 12.7 | 13.5 | 14.1 | 20.4 | 19.4 | 24.4 | 16.7 | 17.9 | 13  | 12.1 |
| ■ Jordan  | 9    | 22.9 | 25.7 | 19.4 | 17.9 | 16   | 5.8  | 3.2  | 1.2  | 1.1  | 1.5  | 2.2  | 2.7 | 3.2  |
| ■ Syria   | 53.4 | 37.8 | 40.3 | 81   | 58.7 | 52.8 | 39.6 | 28.9 | 11.2 | 6.8  | 0.9  | 1.9  | 1.1 | 1.7  |

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers," Washington, GPO, Table I, various editions.

Figure 2.5

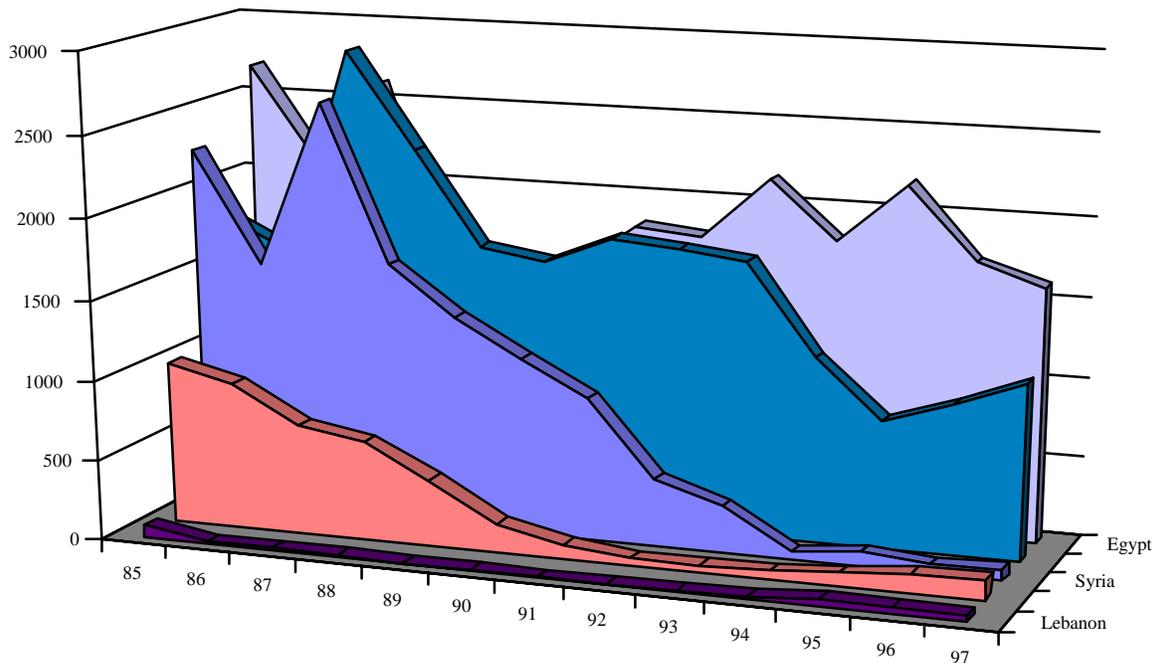
National Trends in Arab-Israeli Arms Deliveries in Current Dollars  
(\$US Current Millions)  
(\$97 Constant Millions)



Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

Figure 2.6

National Trends in Arab-Israeli Arms Deliveries in Constant Dollars  
(\$97 Constant Millions)



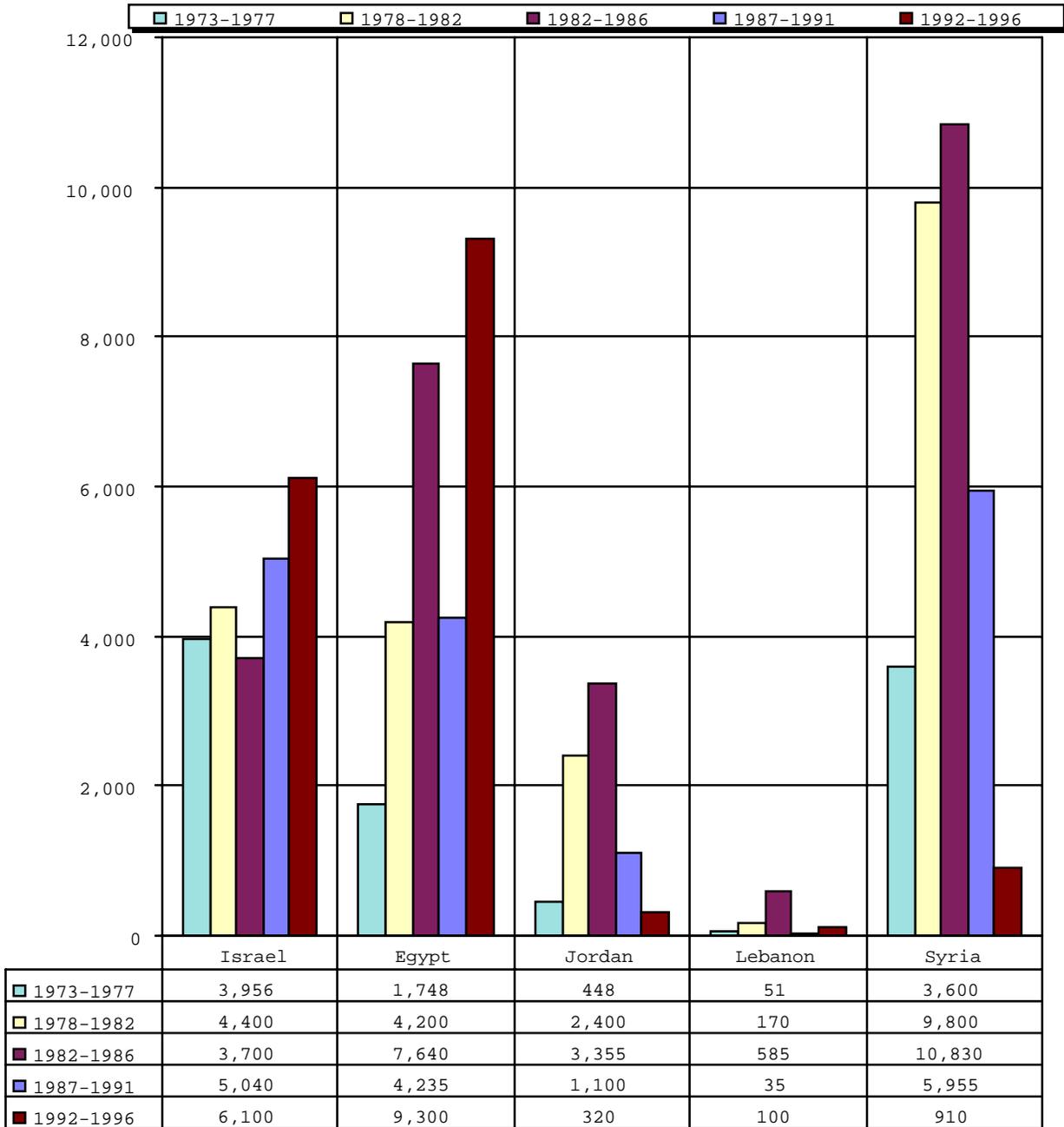
|           | 85   | 86   | 87   | 88   | 89   | 90   | 91   | 92   | 93   | 94   | 95   | 96   | 97   |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| ■ Lebanon | 79   | 16   | 13   | 13   | 6    | 2    | 6    | 3    | 11   | 11   | 52   | 41   | 40   |
| ■ Jordan  | 1013 | 912  | 686  | 619  | 414  | 176  | 91   | 44   | 43   | 53   | 83   | 122  | 130  |
| ■ Syria   | 2278 | 1585 | 2613 | 1643 | 1339 | 1113 | 906  | 432  | 302  | 53   | 93   | 61   | 70   |
| ■ Israel  | 1785 | 1585 | 2874 | 2275 | 1704 | 1640 | 1812 | 1774 | 1728 | 1163 | 802  | 940  | 1100 |
| ■ Egypt   | 2690 | 2105 | 2613 | 1390 | 1217 | 1522 | 1812 | 1774 | 2159 | 1798 | 2174 | 1728 | 1600 |

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, World Military Expenditures and Arms Transfers. GPO, Washington, various editions.

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Figure 2.7

Shifts in Arab-Israeli Arms Deliveries from War to War by Country: 1973-1996  
(In \$US Current Millions)



Source: Adapted by Anthony H. Cordesman from ACDA, World Military Expenditures and Arms Transfers, various editions.

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Table 2.2Arms Sales Affecting the Arab-Israeli Balance Before and After the Gulf War – Part One

(Millions of Current US Dollars)

| <u>Recipient Country</u>            | <u>US</u> | <u>Russia</u> | <u>PRC</u> | <u>Major West</u> | <u>All Other European</u> | <u>All Others</u> | <u>Total</u> |
|-------------------------------------|-----------|---------------|------------|-------------------|---------------------------|-------------------|--------------|
| <u>New Arms Transfer Agreements</u> |           |               |            |                   |                           |                   |              |
| <u>1987-1990</u>                    |           |               |            |                   |                           |                   |              |
| Israel                              | 2,300     | 0             | 0          | 0                 | 0                         | 0                 | 2,300        |
| Egypt                               | 5,900     | 500           | 0          | 0                 | 100                       | 0                 | 6,500        |
| Jordan                              | 100       | 200           | 100        | 100               | 200                       | 100               | 800          |
| Lebanon                             | 0         | 0             | 0          | 0                 | 0                         | 0                 | 0            |
| Syria                               | 0         | 5,300         | 0          | 0                 | 100                       | 200               | 5,600        |
| <u>1991-1994</u>                    |           |               |            |                   |                           |                   |              |
| Israel                              | 3,000     | 0             | 100        | 1,200             | 0                         | 0                 | 4,300        |
| Egypt                               | 4,000     | 300           | 0          | 200               | 100                       | 200               | 4,800        |
| Jordan                              | 100       | 0             | 0          | 0                 | 0                         | 0                 | 100          |
| Lebanon                             | 0         | 0             | 0          | 0                 | 0                         | 0                 | 0            |
| Syria                               | 0         | 500           | 0          | 0                 | 200                       | 200               | 900          |
| <u>1995-1998</u>                    |           |               |            |                   |                           |                   |              |
| Israel                              | 2,600     | 0             | 0          | 100               | 0                         | 200               | 2,900        |
| Egypt                               | 4,500     | 400           | 0          | 100               | 0                         | 0                 | 5,000        |
| Jordan                              | 300       | 300           | 0          | 0                 | 0                         | 100               | 700          |
| Lebanon                             | 100       | 0             | 0          | 100               | 0                         | 0                 | 200          |
| Syria                               | 0         | 200           | 0          | 0                 | 100                       | 0                 | 300          |
| <u>1997-2000</u>                    |           |               |            |                   |                           |                   |              |
| Israel                              | 5,200     | 0             | 0          | 0                 | 0                         | 0                 | 5,200        |
| Egypt                               | 5,700     | 0             | 400        | 100               | 100                       | 0                 | 6,300        |
| Jordan                              | 200       | 300           | 0          | 100               | 0                         | 100               | 700          |
| Lebanon                             | 0         | 0             | 0          | 0                 | 0                         | 0                 | 0            |
| Syria                               | 0         | 300           | 0          | 300               | 100                       | 0                 | 700          |

Table 2.2Arms Sales Affecting the Arab-Israeli Balance Before and After the Gulf War – Part Two

(Millions of Current US Dollars)

Arms Transfer Deliveries1987-1990

|         |       |       |     |     |     |     |       |
|---------|-------|-------|-----|-----|-----|-----|-------|
| Israel  | 2,400 | 0     | 0   | 0   | 0   | 0   | 2,400 |
| Egypt   | 2,300 | 500   | 100 | 400 | 200 | 200 | 3,700 |
| Jordan  | 200   | 400   | 100 | 400 | 100 | 100 | 1,300 |
| Lebanon | 0     | 0     | 0   | 0   | 0   | 0   | 0     |
| Syria   | 0     | 5,000 | 0   | 0   | 200 | 0   | 5,200 |

1991-1994

|         |       |       |     |     |     |     |       |
|---------|-------|-------|-----|-----|-----|-----|-------|
| Israel  | 2,800 | 0     | 100 | 400 | 0   | 0   | 3,300 |
| Egypt   | 4,400 | 100   | 0   | 0   | 100 | 200 | 4,800 |
| Jordan  | 100   | 0     | 0   | 0   | 0   | 0   | 100   |
| Lebanon | 0     | 0     | 0   | 0   | 0   | 0   | 0     |
| Syria   | 0     | 1,000 | 0   | 0   | 100 | 300 | 1,400 |

1995-1998

|         |       |     |   |     |     |     |       |
|---------|-------|-----|---|-----|-----|-----|-------|
| Israel  | 2,400 | 0   | 0 | 100 | 0   | 300 | 2,800 |
| Egypt   | 4,000 | 500 | 0 | 200 | 200 | 100 | 5,000 |
| Jordan  | 200   | 0   | 0 | 0   | 0   | 100 | 300   |
| Lebanon | 100   | 0   | 0 | 0   | 0   | 0   | 100   |
| Syria   | 0     | 100 | 0 | 0   | 100 | 100 | 300   |

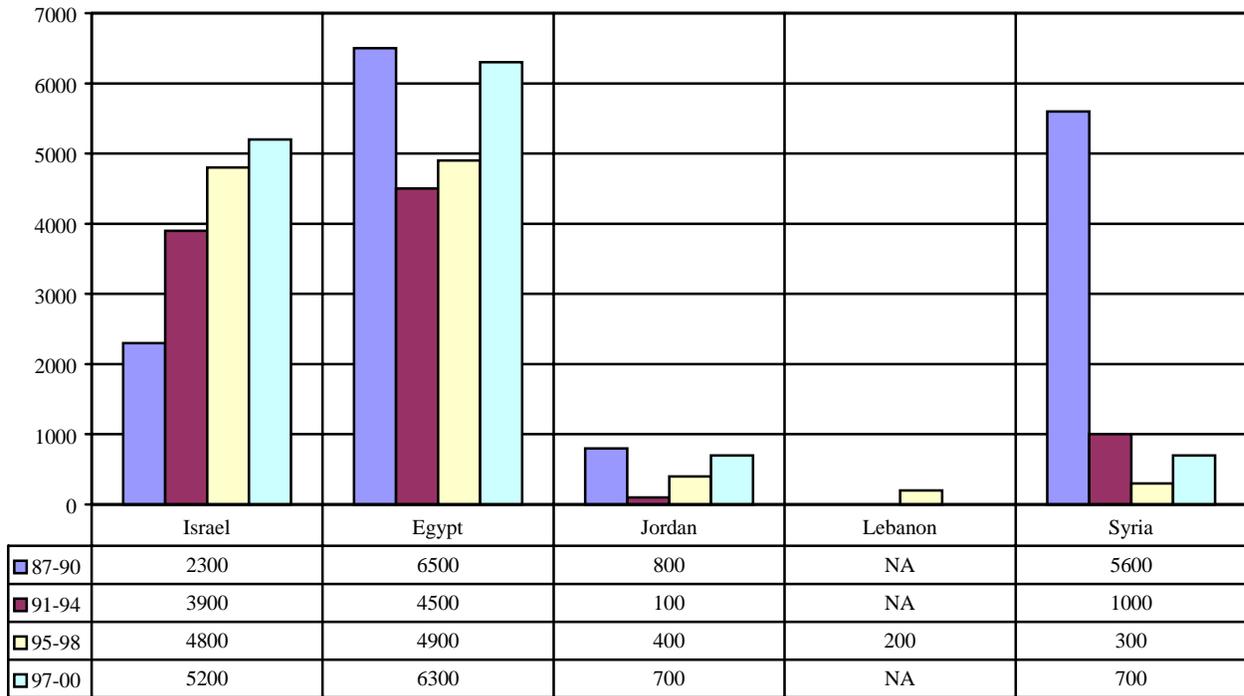
1997-2000

|         |       |     |   |     |   |     |       |
|---------|-------|-----|---|-----|---|-----|-------|
| Israel  | 3,900 | 0   | 0 | 900 | 0 | 200 | 5,000 |
| Egypt   | 3,600 | 300 | 0 | 100 | 0 | 0   | 4,000 |
| Jordan  | 200   | 0   | 0 | 0   | 0 | 100 | 300   |
| Lebanon | 100   | 0   | 0 | 100 | 0 | 0   | 200   |
| Syria   | 0     | 300 | 0 | 100 | 0 | 0   | 400   |

Source: Adapted by Anthony H. Cordesman, CSIS, from Richard F. Grimmett, "Conventional Arms Transfers to Developing Nations, Washington, Congressional Research Service, various editions. All data are rounded to nearest \$100 million. Major West European states include Britain, France, Germany and Italy.

Figure 2.8

Total New Agreements By Arab-Israeli Buyer: Before and After Gulf War  
(In \$US Current Millions)



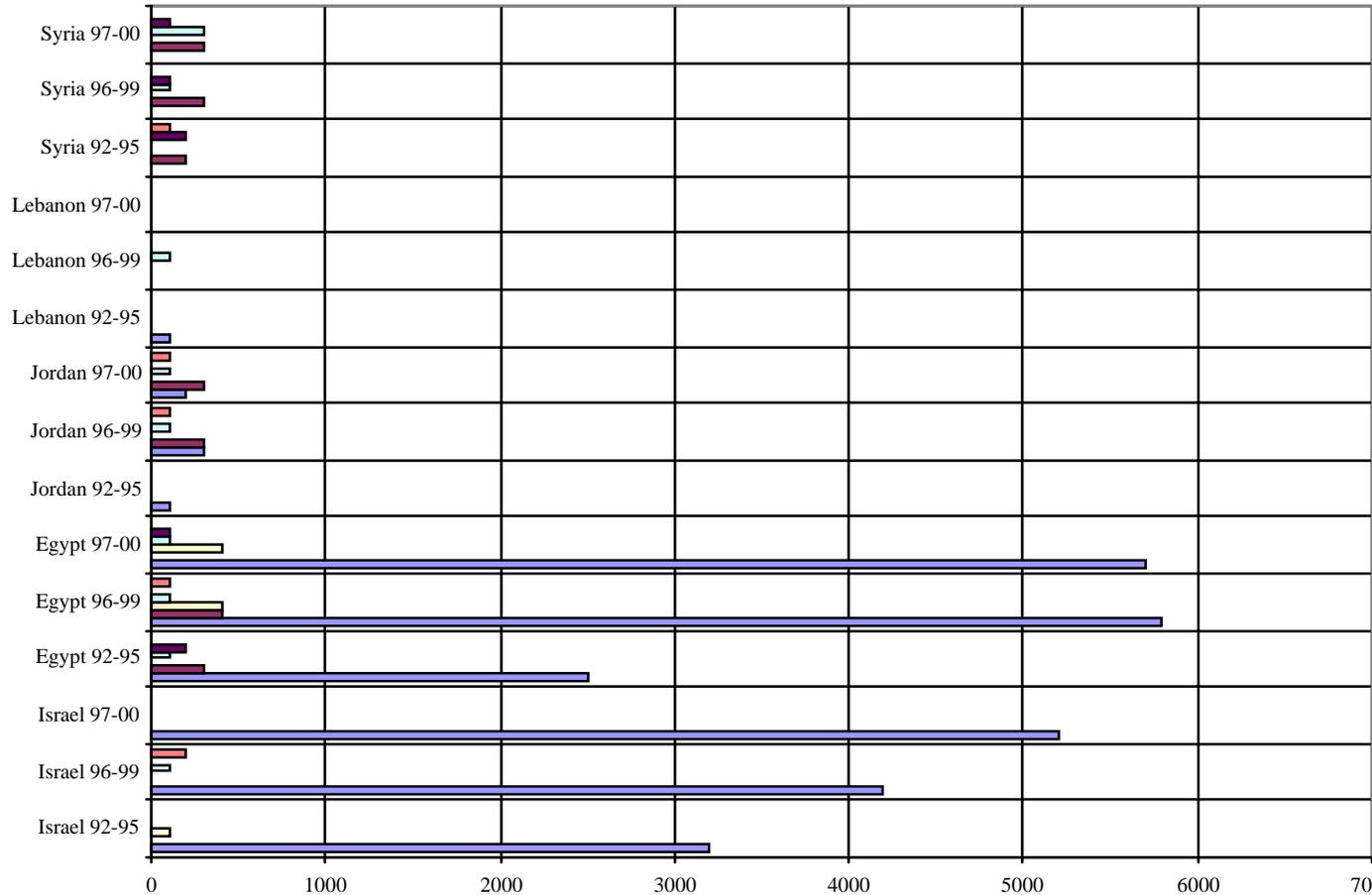
0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Figure 2.9

New Arab-Israeli Arms Orders by Supplier Country: 1992-1999  
(\$US Current Millions)

(\$US Current Millions)



|                     | Israel 92-95 | Israel 96-99 | Israel 97-00 | Egypt 92-95 | Egypt 96-99 | Egypt 97-00 | Jordan 92-95 | Jordan 96-99 | Jordan 97-00 | Lebanon 92-95 | Lebanon 96-99 | Lebanon 97-00 | Syria 92-95 | Syria 96-99 | Syria 97-00 |
|---------------------|--------------|--------------|--------------|-------------|-------------|-------------|--------------|--------------|--------------|---------------|---------------|---------------|-------------|-------------|-------------|
| All Others          | 0            | 200          | 0            | 0           | 100         | 0           | 0            | 100          | 100          | 0             | 0             | 0             | 100         | 0           | 0           |
| All Other European  | 0            | 0            | 0            | 200         | 0           | 100         | 0            | 0            | 0            | 0             | 0             | 0             | 200         | 100         | 100         |
| Major West European | 0            | 100          | 0            | 100         | 100         | 100         | 0            | 100          | 100          | 0             | 100           | 0             | 0           | 100         | 300         |
| China               | 100          | 0            | 0            | 0           | 400         | 400         | 0            | 0            | 0            | 0             | 0             | 0             | 0           | 0           | 0           |
| Russia              | 0            | 0            | 0            | 300         | 400         | 0           | 0            | 300          | 300          | 0             | 0             | 0             | 200         | 300         | 300         |
| US                  | 3200         | 4200         | 5200         | 2500        | 5800        | 5700        | 100          | 300          | 200          | 100           | 0             | 0             | 0           | 0           | 0           |

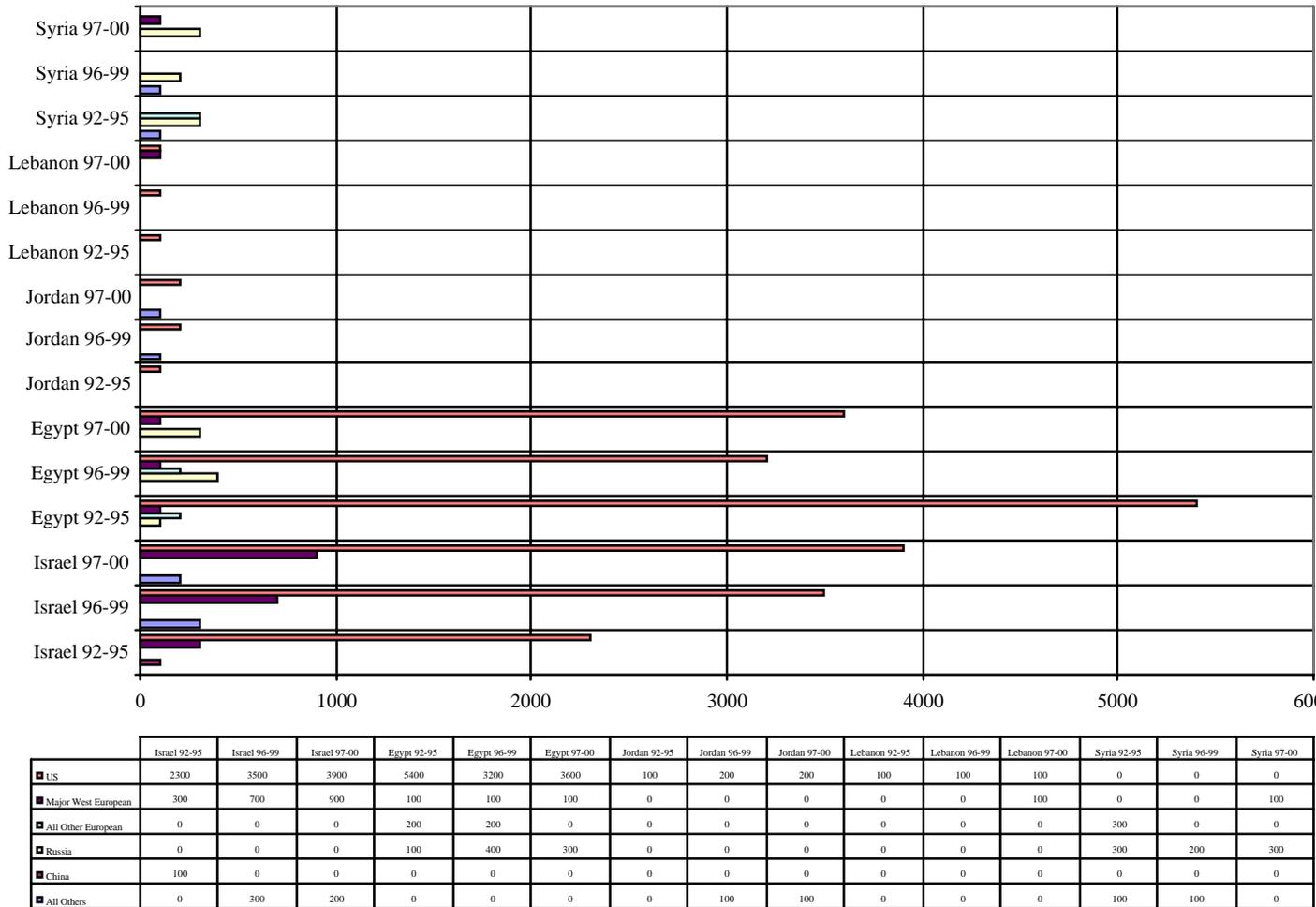
0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Adapted by Anthony H. Cordesman, CSIS, from Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

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Figure 2.10

Arab-Israeli Arms Deliveries by Supplier Country: 1992-1999  
(\$US Current Millions)



0 = less than \$50 million or nil, and all data rounded to the nearest \$100 million.

Source: Adapted by Anthony H. Cordesman, CSIS, from Richard F. Grimmett, Conventional Arms Transfers to the Developing Nations, Congressional Research Service, various editions.

Table 2.3Arms Transfer Deliveries Affecting the Overall Arab-Israeli Balance: 1992-1996

(Millions of Current US Dollars)

| <u>Supplier</u>      | <u>Israel</u> | <u>Egypt</u> | <u>Jordan</u> | <u>Lebanon</u> | <u>Syria</u> | <u>Iran</u>  | <u>Iraq</u> | <u>Libya</u> |
|----------------------|---------------|--------------|---------------|----------------|--------------|--------------|-------------|--------------|
| <u>1992-1994</u>     |               |              |               |                |              |              |             |              |
| United States        | 2,600         | 3,800        | 90            | 50             | 0            | 0            | 0           | 0            |
| Canada               | 0             | 0            | 0             | 0              | 20           | 0            | 0           | 0            |
| France               | 0             | 0            | 0             | 0              | 0            | 0            | 0           | 0            |
| Germany              | 310           | 5            | 0             | 0              | 0            | 40           | 0           | 10           |
| United Kingdom       | 0             | 10           | 0             | 0              | 0            | 0            | 0           | 0            |
| Other Western Europe | 0             | 0            | 0             | 0              | 0            | 0            | 0           | 0            |
| Russia               | 0             | 30           | 0             | 0              | 300          | 1,000        | 0           | 0            |
| Eastern Europe       | 0             | 210          | 0             | 0              | 170          | 30           | 0           | 20           |
| China                | 0             | 0            | 0             | 0              | 30           | 525          | 0           | 50           |
| Other East Asia      | 0             | 0            | 5             | 0              | 80           | 110          | 0           | 0            |
| Middle East          | 0             | 0            | 0             | 0              | 0            | 20           | 0           | 0            |
| Others               | 0             | 5            | 5             | 0              | 0            | 40           | 0           | 0            |
| <b>Total</b>         | <b>2970</b>   | <b>4060</b>  | <b>100</b>    | <b>50</b>      | <b>600</b>   | <b>1765</b>  | <b>0</b>    | <b>80</b>    |
| <u>1994-1996</u>     |               |              |               |                |              |              |             |              |
| United States        | 2,600         | 5,000        | 170           | 90             | 0            | 0            | 0           | 0            |
| France               | 0             | 130          | 0             | 0              | 0            | 0            | 0           | 0            |
| Germany              | 150           | 0            | 0             | 0              | 0            | 0            | 0           | 0            |
| United Kingdom       | 0             | 0            | 0             | 0              | 0            | 0            | 0           | 0            |
| Other NATO           | 5             | 0            | 0             | 0              | 0            | 10           | 0           | 0            |
| Other Western Europe | 0             | 0            | 0             | 0              | 0            | 10           | 0           | 0            |
| Russia               | 0             | 210          | 0             | 0              | 110          | 320          | 0           | 0            |
| Other Eastern Europe | 10            | 150          | 0             | 0              | 0            | 80           | 0           | 0            |
| China                | 0             | 0            | 0             | 0              | 0            | 500          | 0           | 0            |
| Other East Asia      | 0             | 10           | 0             | 0              | 10           | 50           | 0           | 10           |
| Middle East          | 0             | 0            | 70            | 0              | 80           | 10           | 0           | 10           |
| Others               | 80            | 5            | 0             | 0              | 10           | 5            | 0           | 0            |
| <b>Total</b>         | <b>2,865</b>  | <b>5,675</b> | <b>245</b>    | <b>90</b>      | <b>230</b>   | <b>1,025</b> | <b>0</b>    | <b>25</b>    |
| <u>1995-1997</u>     |               |              |               |                |              |              |             |              |
| United States        | 2,600         | 4,600        | 220           | 120            | 0            | 0            | 0           | 0            |
| France               | 0             | 130          | 0             | 0              | 0            | 0            | 0           | 0            |
| Germany              | 0             | 0            | 0             | 0              | 0            | 0            | 0           | 0            |
| United Kingdom       | 0             | 0            | 0             | 0              | 0            | 0            | 0           | 0            |
| Other NATO           | 5             | 150          | 0             | 0              | 0            | 10           | 0           | 0            |
| Other Western Europe | 0             | 0            | 0             | 0              | 0            | 10           | 0           | 0            |
| Russia               | 0             | 360          | 0             | 0              | 0            | 320          | 0           | 0            |
| Other Eastern Europe | 10            | 40           | 0             | 0              | 110          | 80           | 0           | 0            |
| Other East Asia      | 0             | 30           | 0             | 0              | 10           | 50           | 0           | 10           |
| Middle East          | 0             | 0            | 110           | 0              | 60           | 10           | 0           | 10           |
| Others               | 170           | 0            | 0             | 0              | 10           | 5            | 0           | 0            |
| <b>Total</b>         | <b>2,875</b>  | <b>5,330</b> | <b>330</b>    | <b>120</b>     | <b>220</b>   | <b>1,025</b> | <b>0</b>    | <b>25</b>    |

Source: Adapted by Anthony H. Cordesman from US State Department, Bureau of Arms Control, "World Military Expenditures and Arms Transfers," Washington, GPO, Table III, various editions.

Table 2.4The Comparative Size of US Military Assistance and Commercial Arms Sales to the Arab-Israeli Ring States: 1986-1996 - Part One

|                             | <u>87</u> | <u>88</u> | <u>89</u> | <u>90</u> | <u>91</u> | <u>92</u> | <u>93</u> | <u>94</u> | <u>95</u> | <u>96</u> | <u>97</u> |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <u>Israel</u>               |           |           |           |           |           |           |           |           |           |           |           |
| Foreign Military            |           |           |           |           |           |           |           |           |           |           |           |
| Financing Program           | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   |
| Payment Waived              | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   | 1,800.0   |
| FMS Agreements              | 100.5     | 130.9     | 327.7     | 376.7     | 361.4     | 98.4      | 163.3     | 221.4     | 664.8     | 883.3     | 524.9     |
| Commercial Sales            | 1,024.8   | 474.8     | 997.2     | 387.3     | 169.1     | 27.9      | 41.8      | 33.96     | 14.2      | 7.7       | 32.2      |
| FMS Construction Agreements | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| FMS Deliveries              | 1,229.6   | 754.1     | 230.3     | 146.3     | 239.0     | 720.6     | 782.0     | 446.6     | 329.1     | 388.2     | 504.2     |
| MAP Program                 | -         | -         | -         | 74.0      | 43.0      | 47.0      | 491.1     | 166.0     | 80.0      | 22.0      | -         |
| MAP Deliveries              | -         | -         | -         | -         | 114.7     | 0.6       | 44.7      | -         | -         | -         | 2.0       |
| IMET Program/<br>Deliveries | 1.9(0)    | 1.7(0)    | 1.9(0)    | 2.1(0)    | 1.1(0.2)  | 0.6(0)    | 0.5(0)    | 0.8(0)    | 0.8(0)    | -         | -         |
| <u>Egypt</u>                |           |           |           |           |           |           |           |           |           |           |           |
| Foreign Military            |           |           |           |           |           |           |           |           |           |           |           |
| Financing Program           | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   |
| Payment Waived              | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   | 1,300.0   |
| FMS Agreements              | 330.9     | 1306.1    | 2646.3    | 969.5     | 1,631.7   | 631.5     | 447.3     | 443.0     | 1,051.7   | 1,397.7   | 1,065.5   |
| Commercial Sales            | 55.4      | 73.1      | 252.5     | 206.0     | 75.6      | 31.0      | 18.7      | 9.6       | 3.7       | 1.7       | 3.2       |
| FMS Construction Agreements | 112.4     | 118.8     | 65.1      | 48.2      | 269.7     | 107.5     | 14.0      | 1.4       | 15.4      | 61.6      | 21.4      |
| FMS Deliveries              | 955.1     | 473.0     | 296.8     | 368.1     | 482.3     | 1,026.7   | 1,238.6   | 890.0     | 1,536.4   | 1,112.4   | 1,180.7   |
| MAP Program                 | -         | -         | -         | -         | -         | -         | -         | 13.5      | -         | -         | .         |
| MAP Deliveries              | -         | -         | -         | -         | -         | -         | -         | 1.4       | -         | -         | .         |
| IMET Program/<br>Deliveries | 1.7       | 1.5       | 1.5       | 1.5       | 1.8       | 1.5       | 1.7       | 0.8       | 1.0       | 1.0       | 1.0       |

Table 2.4The Comparative Size of US Military Assistance and Commercial Arms Sales to the Arab-Israeli Ring States: 1986-1996 - Part Two

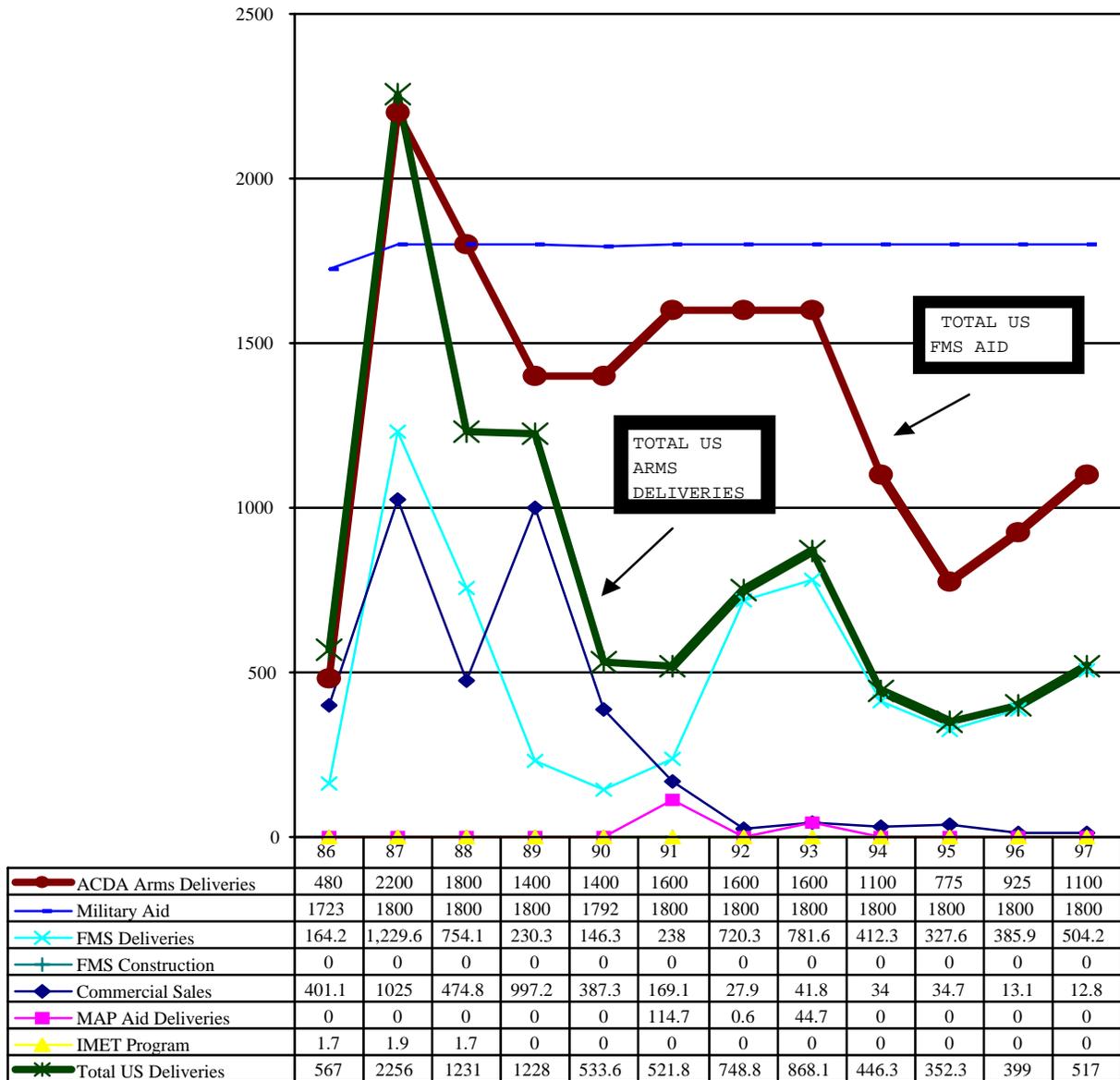
|                                    | <u>87</u> | <u>88</u> | <u>89</u> | <u>90</u> | <u>91</u> | <u>92</u> | <u>93</u> | <u>94</u> | <u>95</u> | <u>96</u> | <u>97</u> |
|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <u>Jordan</u>                      |           |           |           |           |           |           |           |           |           |           |           |
| Foreign Military Financing Program | -         | -         | 10.0      | 67.8      | 20.0      | 20.0      | 9.0       | 9.0       | 7.3       | 100.3     | 30.0      |
| Payment Waived                     | -         | -         | 10.0      | 67.8      | 20.0      | 20.0      | 9.0       | 9.0       | 7.3       | 100.3     | 30.0      |
| DoD Guaranty                       | 81.3      | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| FMS Agreements                     | 33.9      | 28.7      | 9.4       | 26.7      | 0.4       | 6.9       | 15.6      | 39.1      | 15.0      | 216.6     | 18.3      |
| Commercial Sales                   | 73.4      | 18.3      | 23.5      | 12.1      | 0.9       | 2.0       | 1.3       | 1.0       | 1.4       | 3.2       | 3.3       |
| FMS Deliveries                     | 49.7      | 55.4      | 59.5      | 42.1      | 22.9      | 19.5      | 25.0      | 31.5      | 47.0      | 15.7      | 52.3      |
| MAP Deliveries                     | 1.1       | 0.8       | -         | -         | 0.4       | -         | 0.1       | -         | -         | 16.0      | 20.8      |
| IMET Program/<br>Deliveries        | 1.9       | 1.7       | 1.9       | 2.1       | 1.1       | 0.6       | 0.5       | 0.8       | 1.0       | 1.2       | 1.7       |
| <u>Lebanon</u>                     |           |           |           |           |           |           |           |           |           |           |           |
| FMS Agreements                     | 4.9       | 0.5       | -         | -         | -         | -         | 3.4       | 29.7      | 65.0      | 16.1      | 22.0      |
| Commercial Sales                   | 0.1       | 0         | 0.2       | 0.1       | 0.5       | 0.4       | 0.9       | 0.8       | 0.4       | 0.1       | 0.1       |
| FMS Deliveries                     | 12.1      | 11.9      | 3.9       | 2.0       | 0.3       | 1.3       | 4.9       | 3.6       | 40.9      | 31.7      | 33.0      |
| IMET Program/<br>Deliveries        | -         | 0.3       | 0.3       | 0.1       | -         | -         | 0.5       | 0.3       | 0.4       | 0.4       | 0.5       |
| <u>Syria</u>                       |           |           |           |           |           |           |           |           |           |           |           |
| FMS Agreements                     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| Commercial Sales                   | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |
| FMS Deliveries                     | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         |

Source: Adapted from US Defense Security Assistance Agency (DSAA), "Foreign Military Sales, Foreign Military Construction Sales and Military Assistance Facts", Department of Defense, Washington, various editions.

Figure 2.11

The Gap Between Aid and Arms Deliveries: ACDA Reporting on Arms Import Deliveries to Israel vs. US Aid and Commercial Arms Sales: 1986-1997

(In \$US Current Millions)



Source: Adapted by Anthony H. Cordesman from Arms Control and Disarmament Agency, "World Military Expenditures and Arms Transfers," Washington, GPO, 1996, various editions; and DSAA database.