Training Course in MCH Epidemiology

Methods for Setting Annual Targets

**Exercise Group 1**

One of your state negotiated performance measures is the proportion of liveborn infants whose mothers receive adequate prenatal care according to a prenatal care index. Below is the surveillance data available for use in setting next year's target. In recommending a value, describe the method or methods you chose to apply and state any assumptions that you made. Why does a particular target-setting method seem appropriate? What are the limitations, if any, in the data?

1. Adequacy of prenatal care by county.

|  |  |  |  |
| --- | --- | --- | --- |
| County | bths | # with adeq pnc | % adeq pnc |
| A | 406 | 317 | 78.0 |
| I | 177 | 138 | 78.0 |
| F | 631 | 486 | 77.0 |
| H | 2337 | 1753 | 75.0 |
| D | 1864 | 1342 | 72.0 |
| C | 686 | 473 | 69.0 |
| E | 893 | 607 | 68.0 |
| G | 497 | 323 | 65.0 |
| J | 2775 | 1804 | 65.0 |
| B | 1588 | 1016 | 64.0 |
| State X | 11854 | 8323 | 70.0 |

1. Trend data for the state as a whole show that over the past decade, the proportion of women receiving adequate or more than adequate prenatal care has been increasing, on average, approximately 2 % per year.
2. A study conducted by researchers at the state university in collaboration with state and local health agencies, community groups, and other private agencies examined the relationship between women's satisfaction with prenatal care and utilization of care. Based on both quantitative and qualitative results, recommendations were made concerning ways to improve the delivery of prenatal care. The study team is working with prenatal care providers across the state to facilitate implementation of these recommendations over the next year.

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**Exercise Group 2**

One of your state negotiated performance measures is the proportion of liveborn infants whose mothers receive adequate prenatal care according to a prenatal care index. Below is the surveillance data available for use in setting next year's target. In recommending a value, describe the method or methods you chose to apply and state any assumptions that you made. Why does a particular target-setting method seem appropriate? What are the limitations, if any, in the data?

1. Adequacy of prenatal care by age group.

|  |  |  |  |
| --- | --- | --- | --- |
| Age | births | # with adeq pnc | % adeq pnc |
| 10 to 19 | 1510 | 816 | 54.0 |
| 20 + | 10344 | 7507 | 72.6 |
| State X | 11854 | 8323 | 70.2 |

1. Adequacy of prenatal care by source of payment.

|  |  |  |  |
| --- | --- | --- | --- |
| Payor | births | # with adeq pnc | % adeq pnc |
| Medicaid | 3096 | 2052 | 66.3 |
| Non-Medicaid | 8758 | 6271 | 71.6 |
| State X | 11854 | 8323 | 70.2 |

1. The state objective for adequacy of prenatal care is 90% of all women delivering liveborn infants.

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**Exercise Group 3**

One of your state negotiated performance measures is the proportion of liveborn infants whose mothers receive adequate prenatal care according to a prenatal care index. Below is the surveillance data available for use in setting next year's target. In recommending a value, describe the method or methods you chose to apply and state any assumptions that you made. Why does a particular target-setting method seem appropriate? What are the limitations, if any, in the data?

1. Adequacy of prenatal care by source of payment.

|  |  |  |  |
| --- | --- | --- | --- |
| Payor | births | # with adeq pnc | % adeq pnc |
| Medicaid | 3096 | 2052 | 66.3 |
| Non-Medicaid | 8758 | 6271 | 71.6 |
| State X | 11854 | 8323 | 70.2 |

1. Trend data for the state as a whole show that over the past decade, the proportion of women receiving adequate or more than adequate prenatal care has been increasing, on average, approximately 2 % per year.
2. A study conducted by researchers at the state university in collaboration with state and local health agencies, community groups, and other private agencies examined the relationship between women's satisfaction with prenatal care and utilization of care. Based on both quantitative and qualitative results, recommendations were made concerning ways to improve the delivery of prenatal care. The study team is working with prenatal care providers across the state to facilitate implementation of these recommendations over the next year.

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**Exercise Group 4**

One of your state negotiated performance measures is the proportion of liveborn infants whose mothers receive adequate prenatal care according to a prenatal care index. Below is the surveillance data available for use in setting next year's target. In recommending a value, describe the method or methods you chose to apply and state any assumptions that you made. Why does a particular target-setting method seem appropriate? What are the limitations, if any, in the data?

1. Adequacy of prenatal care by county.

|  |  |  |  |
| --- | --- | --- | --- |
| County | bths | # with adeq pnc | % adeq pnc |
| A | 406 | 317 | 78.0 |
| I | 177 | 138 | 78.0 |
| F | 631 | 486 | 77.0 |
| H | 2337 | 1753 | 75.0 |
| D | 1864 | 1342 | 72.0 |
| C | 686 | 473 | 69.0 |
| E | 893 | 607 | 68.0 |
| G | 497 | 323 | 65.0 |
| J | 2775 | 1804 | 65.0 |
| B | 1588 | 1016 | 64.0 |
| State X | 11854 | 8323 | 70.0 |

1. Adequacy of prenatal care by age group.

|  |  |  |  |
| --- | --- | --- | --- |
| Age | births | # with adeq pnc | % adeq pnc |
| 10 to 19 | 1510 | 816 | 54.0 |
| 20 + | 10344 | 7507 | 72.6 |
| State X | 11854 | 8323 | 70.2 |

1. The state objective for adequacy of prenatal care is 90% of all women delivering liveborn infants.