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How to Measure and Give Medicine

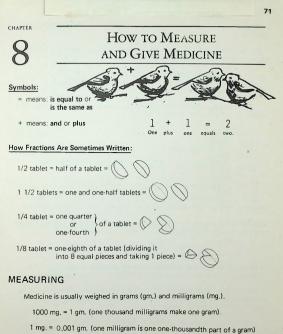
This is a reprint from

Where There Is No Doctor

(Indian adaptation)

published by the

Voluntary Health Association of India C-14 Community Centre Safdarjung Development Area New Delhi 110016



Examples:

One adult aspirin All these are .3 gm. tablet contains 0.3 gm, different ways 300 milligrams 0.300 gm. of saying 300 of aspirin. 300 mg. milligrams. One baby aspirin .075 am. All these are contains 75 milligrams 0.075 gm. different ways of aspirin. 75.0 ma. of saving 75 75 ma. milligrams,

Note - DO NOT GIVE ASPIRIN TO BABIES BELOW 1 YEAR.

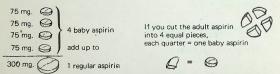
Many times it is important to know how many grams or milligrams are in a medicine.

For example, if you want to give a small piece of adult aspirin to a child, instead, of baby aspirin, but you do not know how big a piece to give . . .

read the small print on the labels of each. It says: aspirin: acetylsalicylic acid .3 gm. (acetylsalicylic acid = aspirin)

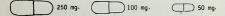


-3 gm. = 300 mg. and .075 gm. = 75 mg. So, you can see that one adult aspirin weighs 4 times as much as one baby aspirin.



So if you cut an adult aspirin into 4 pieces, you can give the child 1 piece in place of a baby aspirin. Both are equal, and the piece of adult aspirin costs less.

CAUTION: Many medicines, especially the antibiotics, come in different weights and sizes. For example, tetracycline may come in 3 sizes of capsules:



Be-careful to only give medicine in the recommended amounts. It is very important to check how many grams or milligrams the medicine contains.

For example: If the prescription says: Take tetracycline, 1 capsule or 250 mg, 4 times a day, and you have only 50 mg, capsules 4 times a day (20 a day).

50 mg.	+	50 mg. =	250 mg.						
	+		+		+		+	=	\square

MEASURING PENICILLIN

Penicillin is often measured in units.

- U. = unit
- 1,600,000 U. = 1 gm. or 1,000 n

Many forms of penicillin (pills and injections) come in doses of 400,000 U. 400,000 U.= 250 mg.

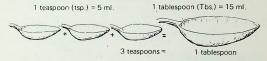
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MEDICINE IN LIQUID FORM

Syrups, suspensions, tonics, and other liquid medicines are measured in milliliters:

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ml. = milliliter 1 liter = 1000 ml.
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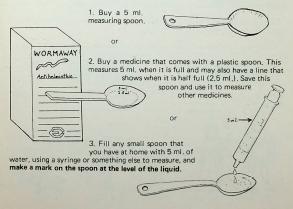
Often liquid medicines are prescribed in tablespoons or teaspoons:



When instructions for a medicine say: Take 1 tsp., this means take 5 ml.

Many of the 'teaspoons' people use hold as much as 8 ml, or as little as 3 ml. When using a teaspoon to give medicine, it is important that it measure 5 ml. - No more. No less. This is especially important when giving medicines to children.

How to Make Sure that the Teaspoon Used for Medicine Measures 5 ml.



HOW TO GIVE MEDICINES TO SMALL CHILDREN

Many medicines that come as pills or capsules also come in syrups or suspensions (special liquid form) for children. If you compare the amount of medicine you get, the syrups are usually more expensive than pills or capsules. You can save money by making your own syrup in the following way:



When making syrups for children from pills or capsules, be very careful not to give too much medicine. Do not mix Isoniazid (INH) for treatment of tuberculosis with sugar or honey. This makes INH less effective.

HOW MUCH MEDICINE SHOULD YOU GIVE TO CHILDREN WHEN YOU ONLY HAVE THE INSTRUCTIONS FOR ADULTS?

Generally, the smaller the child, the less medicine he needs. Giving more than needed can be dangerous.

If you have information about the doses for children, follow it carefully. If you do not know the dose, figure it out by using the weight or age of the child. Children should generally be given the following portions of the adult dose.



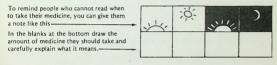
HOW TO TAKE MEDICINES



It is important to take medicines more or less at the time recommended. Some medicines should be taken only once a day, but others must be taken more often. If you do not have a clock, it does not matter. If the directions say '1 pill every 8 hours', take 3 a day: one in the morning, one in the afternoon, and one at night. If they say '1 pill every 6 hours', take 4 ach day: one in the morning.

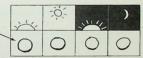
at midday, one in the afternoon, and one at night. If the directions are '1 every 4 hours', take 6 a day, allowing more or less the same time between pills.

Whenever you give a medicine to someone else, it is a good idea to write the instructions and also to have the person repeat to you how and when to take the medicine. Make very sure he understands.



For example:

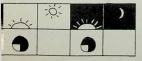
This means 1 tablet 4 times a day, 1 at sunrise, 1 at noon, 1 at sunset, 1 in the middle of the night.



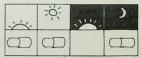
This means 1/2 tablet 4 times a day.



This means ¼ tablet twice a day.



This means 1 capsule 3 times a day.



This means 2 teaspoons twice a day.



Always write all the following information on the note with the medicine-even if the person cannot read:

- the person's name —————
- the name of the medicine ——

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00		00						
Name: Prem Sagar								
Medicine: Piperazine 500mg.tablets								
For:	Thread worm							
Dosage:	Take 2 tablets twice a day							

This information can be put on the same note as the drawing for dosage.

A page of these dosage blanks is

included at the end of the book. Cut them out and use them as needed. When you run out, you can make more yourself.

When you give medicine to someone, it is a good idea to keep a record of this same information. If possible, keep a complete Patient Report

TAKING MEDICINES ON A FULL OR EMPTY STOMACH

Some medicines work best when you take them on an empty stomach-that is, one hour before meals.

Other medicines are less likely to cause upset stomach or heartburn when taken along with a meal or right afterwards.

Take these medicines 1 hour before meals

- penicillin
- ampicillin
- tetracycline

It is better not to drink milk an hour before or after taking tetracycline. Take these medicines together with or soon after meals:

- aspirin and medicine that contains aspirin
- iron (ferrous sulfate)
- vitamins
- erythromycin
- P.A.S.

Antacids do the most good if you take them when the stomach is empty, 1 or 2 hours after meals and at bedtime.

The book Where There Is No Doctor is available at Rs 29/- plus postage. Multiple copies of reprints of various chapters are also available.

Please write to:

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