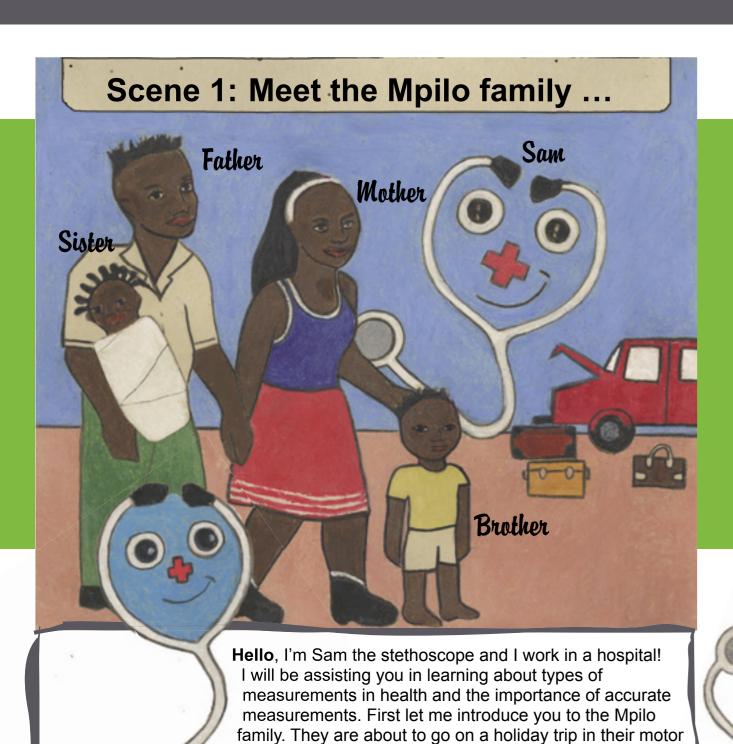
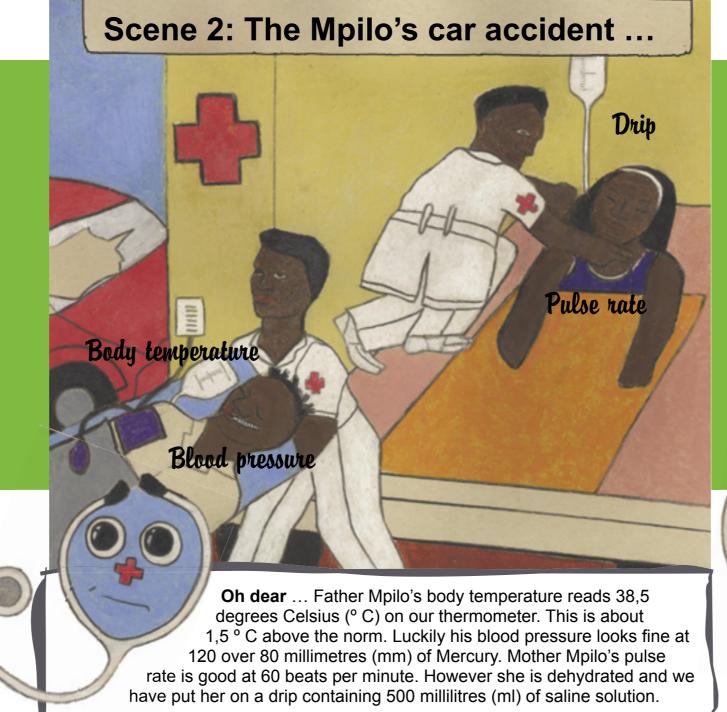
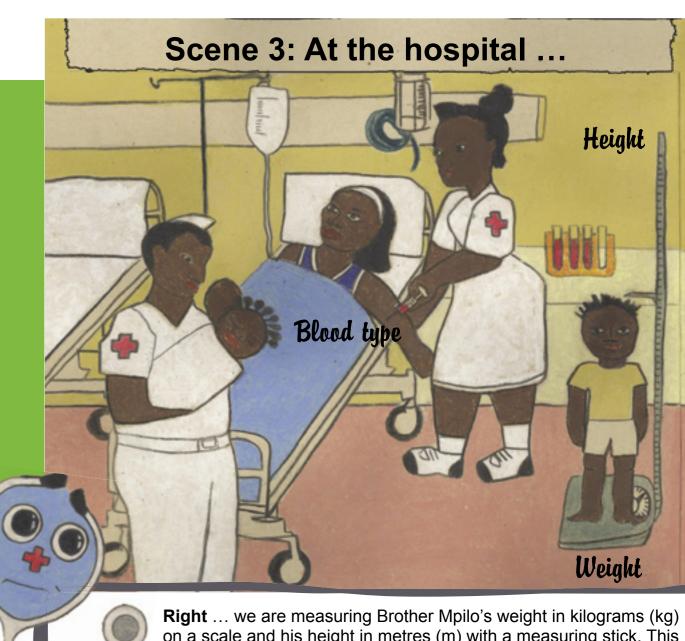
## MEASUREMENT IN HEALTH

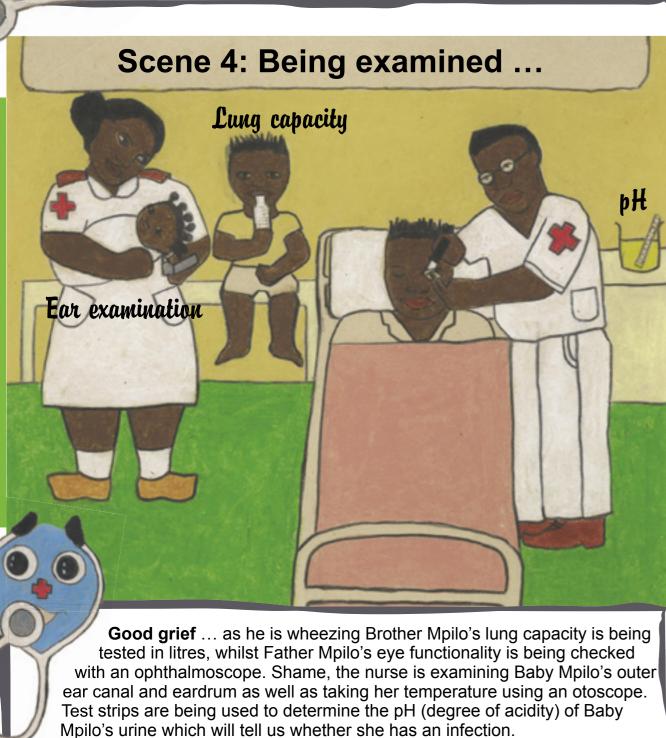
## World Metrology Day: 20 May 2006



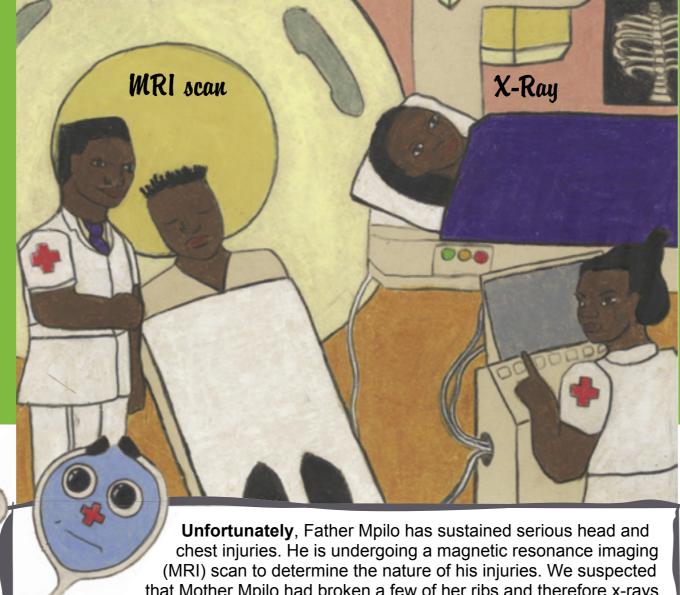




on a scale and his height in metres (m) with a measuring stick. This is important in order to administer the correct medication dosages. Ouch! Mother Mpilo has lost some blood in the accident and 25 ml of her blood is being drawn into a sterilized syringe. This will be sent to the pathology laboratory to determine her blood type, in case she needs a blood transfusion

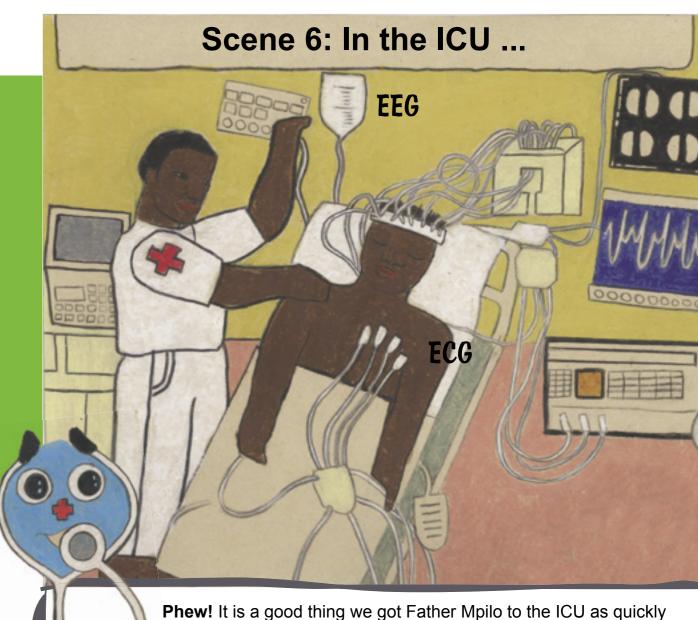


vehicle. Let's join them!

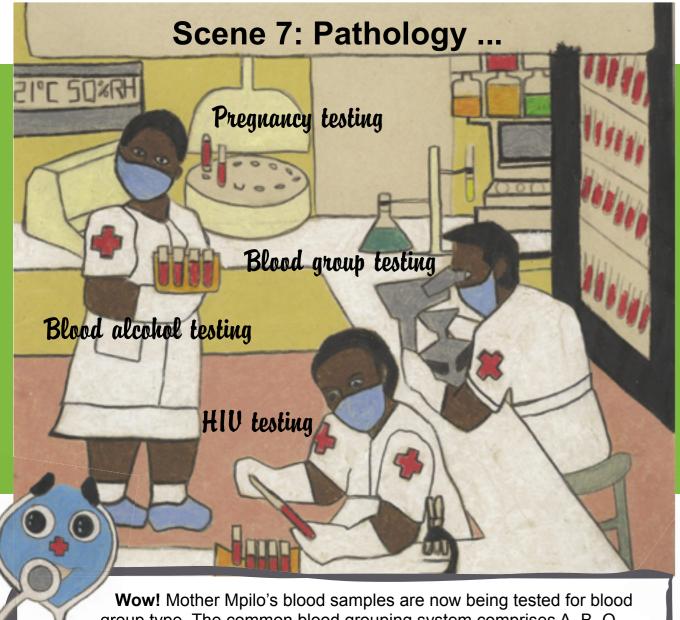


Scene 5: Scanning and X-rays ...

that Mother Mpilo had broken a few of her ribs and therefore x-rays were taken, using a fluoroscope. The good news is that her ribs are only a



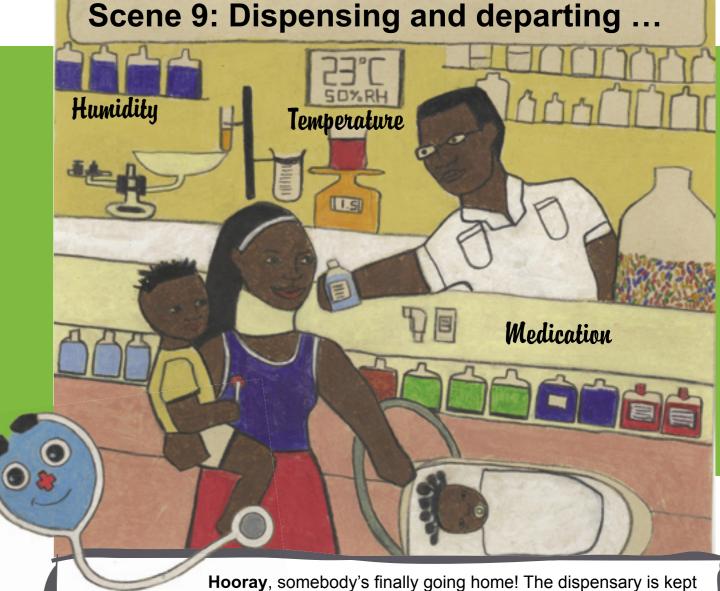
as we did. We are monitoring the electrical activity of his brain using an electroencephalogram (EEG) to check for blood clotting. We are also measuring the electrical activity of his heart using an electrocardiogram (ECG) to establish the condition of his heart. It goes without saying that these measurements need to be extremely accurate.



group type. The common blood grouping system comprises A, B, O, AB and Rhesus (D) groups. Blood alcohol content, which is recorded in milligrams (mg) of alcohol per 100 ml of blood, is also being tested. Pregnancy tests are done by checking for the pregnancy hormone. The EIA (enzyme immunoassay) is the standard screening test used to detect the presence of antibodies to HIV.



O<sub>2</sub> containing not less than 99.0 percent, by volume is used. A 5 ml antiinflammatory injection was administered through his drip.



under regulated temperature (° C) and humidity (% of dampness in the air). Looks like Baby Mpilo will be getting some syrup, Mother Mpilo some tablets and Brother Mpilo will be getting an asthma pump. I'm sure glad that there are metrology institutions which ensure accurate measuring instruments. Can you imagine the impact if this wasn't the case? Remember; keep your medication in a dry, cool place and away from children. **Bye for now**.

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