

Soap/Handrub Consumption Survey

Measuring the Consumption of Products in Association with the Implementation of WHO Multimodal Hand Hygiene Improvement Strategy

Purpose

This tool provides a simple template to measure the consumption of products (e.g. soap and alcohol-based handrubs) associated with implementing a hand hygiene improvement strategy.

Measuring the consumption of these products is an indirect method of monitoring hand hygiene performance. This indicator can help to assess the uptake of the intervention as a whole and provides an overall indication of its success. It also provides the opportunity to control stock levels over the short- and medium-term and to help estimate likely increases in requirements, particularly relating to alcohol-based handrub.

Method

In general, the data collection method and the area in which data are collected (selected wards or the entire health-care facility) should not be changed so as to obtain comparable data at different moments in time.

A simple way to collect data is through the central purchasing unit, if this exists, by regularly reviewing the order forms (monthly) for the selected product (e.g. alcohol-based handrub solutions). Alternatively, the information could be retrieved from the pharmacy or the service in charge of the distribution of the products to the wards. It is important to identify a method which fits the purchase/distribution procedure at the facility level and is optimal in terms of time investment and reliability of the information.

Measurement of consumption should be repeated at the end of each month; if this is not feasible, it should be undertaken at time intervals that are better suited to the purchase/distribution cycle in the hospital/ward. The grid for information collection included in this document offers the possibility to record data by month up to a period of 6 months. A new form should be filled in for every 6-month period. If monthly data are not available, cumulative data corresponding to longer periods (e.g. 3 or 6 months) should be entered. This measurement will contribute to the development of a plan for long-term procurement sustainability of products and monitoring of usage.

Calculations of consumption made on the basis of purchased or distributed products may be biased by the amount of product still in stock (i.e. not all products may have been used). Please ensure that the amount in stock is subtracted to calculate the real product consumption. It is important to indicate whether the amount reported corresponds to the purchased or to the used product.

If you use different products (e.g. different alcohol-based handrub formulations), please fill in one form for each product. A separate grid is used to register the use of soap.

Units of products may differ in volume and weight. Please indicate the number of units used (e.g. number of bottles) and the equivalent number of litres or total weight of the product.

Any variation in workforce or number of beds needs to be recorded; this also holds true for a sudden increase in beds (e.g., the opening of a new ward may drastically influence product consumption).

Feedback

- The attached protocol forms are for measurement of consumption over a 6-month period.
- The forms should be filled in monthly, preferably at the end of each month.
- At the end of the 6-month period, product consumption can be tabulated for the whole facility or the respective departments/wards.
- An increasing consumption trend indicates the success of the hand hygiene intervention.
- Static or declining trends post-implementation need to be examined closely. They may be linked to lack of product availability, distribution delays or interruptions, or other reasons.

General Questions

Is there a central purchasing unit for the entire health-care facility? Yes No

(A central purchasing unit is one which makes all purchases on behalf of all units/departments of the health-care facility.)

How often are orders for hand hygiene products placed?

Monthly 3-monthly 6-monthly irregular other

Please describe the process of purchase and distribution of product in your hospital, including the time intervals between purchase and actual distribution, staff responsible for each task in the process, etc.



Protocol to Measure the Consumption of Products for the Hand Hygiene Intervention (Alcohol-based Handrubs and Soap)

Health-care facility name:

Name of implementation co-ordinator/lead:

6-month measurement period

(Please include specific dates for start month and end month, e.g. 30 June – 31 December)

Does the amount measured relate to whole facility a department a selected ward

Please indicate which ward (if applicable): _____

Please indicate which department (if applicable):

- | | | | |
|--------------------------------------------|-------------------------------------|----------------------------------------------|---------------------------------------------------|
| <input type="checkbox"/> Internal medicine | <input type="checkbox"/> Surgery | <input type="checkbox"/> Intensive care unit | <input type="checkbox"/> Mixed medical/surgical |
| <input type="checkbox"/> Emergency unit | <input type="checkbox"/> Obstetrics | <input type="checkbox"/> Paediatrics | <input type="checkbox"/> Long-term/rehabilitation |
| <input type="checkbox"/> Outpatient clinic | <input type="checkbox"/> Other | | |

If the measured amount relates to a department, please describe the wards included:



Alcohol-based Handrub Formulation

(measured in litres)

Product: Gel Liquid Other (please specify)

Information recorded is related to purchased/distributed product used product

Name/composition of product/s:

	Amount purchased/used		Number of patients admitted to the facility or department or ward	Number of patient-days related to the facility or department or ward
	Units used (bottles)	Units expressed as litres (l)		
Month 1 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 2 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 3 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 4 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 5 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 6 Date (month):				
Total facility or selected wards / areas (delete as applicable)				

Soap

(measured in bars/litres)

Product Non-medicated soap bar Medicated soap bar Liquid soap

Other (please specify, e.g. foam)

Information recorded is related to Purchased product Used product

Name/composition of product/s:

Important note: If different products are used simultaneously (e.g. bar or liquid soap on some units), it is advisable to log the consumption separately for each product in each period on a different form to avoid confusion.

	Amount purchased/used		Number of patients admitted to the facility or department or ward	Number of patient-days related to the facility or department or ward
	Units used (bottles or bars)	Units expressed as litres (l) or kilograms (kg)		
Month 1 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 2 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 3 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 4 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 5 Date (month):				
Total facility or selected wards / areas (delete as applicable)				
Month 6 Date (month):				
Total facility or selected wards / areas (delete as applicable)				