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# Stepwatch Activity Monitor-Seven Day Diary 

## Version: 08/28/2006



## Directions:

Placement: The Stepwatch Activity Monitor (SAM) must be worn with the rounded end UP. The writing on the case should appear right-side-up to someone standing next to you. The SAM should be placed just above your ankle bone on either side of either leg. It should not be worn on the front or back of the ankle. The Velcro strap can be adjusted for comfort. You may wear an extra sock if you would like additional padding.

Timing: Please wear the SAM for seven full days. The SAM should be worn from the time you wake up until you go to bed at night. It may be helpful to put the SAM by your alarm clock, glasses, coffee maker or other devices that are part of your daily morning routine in order to remember to put it on. Please also place the SAM reminder notes in places that you see early in the morning. For example, one note could be placed on your bathroom mirror and another on the inside of the front door of your house.
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The SAM is waterproof and can be worn for bathing or swimming. However, the wet strap may be uncomfortable. Therefore, the SAM can be removed for water activities. If you swim or do water sports regularly and would like an extra strap especially for the water, please request one.

If you prefer not to think about putting the SAM on in the morning you may wear it in bed, leaving it on all day and all night.

Care: Although the SAM is sturdy, please treat it with care. The SAM should not be kept in hot places, such as the dashboard of a car.

The SAM is always washed before and after it is given to a study participant. If you wish to clean the strap mid-week, you may dip it in alcohol just before you go to bed and hang it to dry overnight. In the morning, reinsert the strap such that the smoother side will be against your leg. The monitor can be wiped clean with a damp washcloth only.

Diary: Please complete Day 1 of the Activity Diary after you have worn the SAM for one full day. Continue wearing the SAM and filling out the Activity Diary until you have worn the SAM for seven full days. Please complete the Activity Diary each night before you go to bed or the following morning.

Missed Days: If you forget to wear the SAM for 5 or more hours during a day, you should cross out that day on your activity diary. You should wear the monitor an additional day and fill out a make-up day in the activity diary to make-up the missing day. A maximum of 3 missed days can be made up.

Returning the SAM: No matter how many days you wear the SAM, please put the SAM and the diary in the mail, within 10 days of receiving it, using the preaddressed stamped envelope that you were given at your clinic visit. If you lose the envelope you should immediately call for a replacement. If you have any questions about wearing the SAM or how to fill out this activity diary please call your LABS coordinator (see last page for your LABS coordinators name and phone number) for instructions.
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$$
\begin{aligned}
& \text { Please put on your } \\
& \text { Step Activity Monitor } \\
& \text { (SAM) }
\end{aligned}
$$

Cut here

$$
\begin{gathered}
\text { Please put on your } \\
\text { Step Activity Monitor } \\
\text { (SAM) }
\end{gathered}
$$


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## Please fill out the following question AFTER you had worn the SAM, prior to returning it to the LABS Coordinator.

1. Please check the statement that best describes your physical activity level on the days you wore the Stepwatch Activity Monitor this week. (Check only one)
2. I was much more active than usual.
3. I was active at about my usual level.
4. I was much less active than usual.

Please return the SAM in the pre-addressed stamped envelope that you were given at your clinic visit by $\qquad$ (COORDINATOR: FILL IN DATE 10 DAYS AFTER SAM IS GIVEN OUT). If you have lost the envelope please call your LABS coordinator for a replacement.

## Please do not fill out the following questions. For official use only

1. How many week days (Monday-Friday) was the SAM worn? $\qquad$
2. How many weekend days (Saturday-Sunday) was the SAM worn? $\qquad$
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$\qquad$

| Date: $-\ldots / \_-/ 20 \_—$ | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ | Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday

## 1. Did you wear the SAM today?

$\square 0$. NO $\rightarrow$ Please cross out this page and make up a day after day 7 .
$\square 1$ YES $\rightarrow$ Please continue
2. How many hours were you awake today, but not wearing the SAM? This includes the time

- between when you got out of bed in the morning and put on your SAM
- between when you took off the SAM and got into bed
- that you removed the monitor during the day
$\square$ 0-1 hour
$\square$ 1-2 hours
3-4 hours
$\square 5$ or more hours*
*If you removed the monitor for 5 or more hours today please make up a day after day 7

3. Did you walk today specifically for exercise?
$\square$. NO
$\square 1$. YES $\longrightarrow$ Total minutes walked for exercise $\qquad$ min.
4. Using the list of physical activities below, please check any activities that you did today, and for each activity that you check indicate how long you did the activity. If you did any activities specifically for exercise today that are not listed below, please specify the activities after "other."

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| $\square$ Aerobic Dance | -min . | $\square$ Horseshoes | $\underline{\text { min. }}$ | $\square$ Skating (ice/roller) | min |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ Backpacking | _min. | $\square$ Jogging/running | _ min. | $\square$ Snow skiing | $\bigcirc$ min |
| Badminton | - min. | $\square$ Jump roping | _ min. | $\square$ Snorkeling | - |
| $\square$ Basketball | - min. | $\square$ Lacross | _min. | $\square$ Snow shoeing | $\ldots$ min |
| $\square$ Baseball | - min. | $\square$ Life Circuit weights | _ min. | $\square$ Softball | $\bigcirc$ min |
| $\square$ Bicycling | _min. | $\square$ Martial Arts | _min. | $\square$ Spinning/cycling | $\bigcirc$ min |
| $\square$ Bowling | _min. | $\square$ Miniature gol | _min. | $\square$ Stairmaster | in |
| $\square$ Calisthenics | _min. | $\square$ Nautilu | _min. | $\square$ Step aerobics | $\bigcirc$ min |
| $\square$ Canoe/Kayaking | - min. | $\square$ Nordic Track | _min. | $\square$ Stretching exercices | $\bigcirc$ min |
| $\square$ Cardio glide | _min. | $\square$ Pilate | _min. | $\square$ Swimming (laps) | $\bigcirc$ min |
| $\square$ Cross trainer | _min. | $\square$ Ping pong | _ min. | $\square$ Tai Chi | $\bigcirc$ min |
| $\square$ Dancing | _min. | $\square$ Play with kid (active) | _min. | $\square$ Tennis/platform tennis | $\bigcirc$ min |
| $\square$ Fishing | _ min. | $\square$ Punching bag | _min. | $\square$ Ultimate frisbee | _ min |
| $\square$ Football | _min. | $\square$ Racquetball | _ min. | $\square$ Volleyball | _ min |
| $\square$ Frisbee | _ min. | $\square$ Rafting | _min. | $\square$ Water jogging/aerobics | $\ldots \mathrm{min}$ |
| $\square$ Gardening | _min. | $\square$ Rock climbing | _min. | $\square$ Water skiing | $\ldots$ min |
| $\square$ Golf | _min. | $\square$ Rollerbladin | _ min. | $\square$ Weight lifting | $\ldots \mathrm{min}$ |
| $\square$ Handball | _min. | $\square$ Rowin | _ min. | $\square$ Wrestling | min |
| $\square$ Hiking | - min. | $\square$ Sailing or paddle boat | ___min. | $\square$ Yog | min |
| $\square$ Hockey | - min. | $\square$ Scuba diving | - min. | $\square$ Other | min |
| $\square$ Horseback riding | min. | $\square$ Shuffleboard | - min. | $\square$ Other | min |
| $\square$ Hunting | $\ldots$ min. | $\square$ Soccer | _ min. | $\square$ Other | $\ldots$ min |

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| Date: _- /_- ${ }^{\text {/ } 20}$ _ - | $\square$ | $\square$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square} \stackrel{ }{\square}$ | $\stackrel{\square}{\square}$ |
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| :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ Backpacking | _ min. | $\square$ Jogging/running | __min. | $\square$ Snow skiing | - |
| $\square$ Badminton | _ min. | $\square$ Jump roping | __min. | $\square$ Snorkeling | _ min. |
| $\square$ Basketball | _ min. | $\square$ Lacrosse | $\ldots \mathrm{min}$. | $\square$ Snow shoeing | min. |
| $\square$ Baseball | _ min. | $\square$ Life Circuit weights | _ min. | $\square$ Softball | min. |
| $\square$ Bicycling | _ min. | $\square$ Martial Arts | _ min. | $\square$ Spinning/cycling | _ min. |
| $\square$ Bowling | - min. | $\square$ Miniature gol | _ min. | $\square$ Stairmaster | _ min. |
| $\square$ Calisthenics | - min. | $\square$ Nautilus | _ min. | $\square$ Step aerobics | _ min. |
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| $\square$ Cardio glide | - min. | $\square$ Pilate | - min. | $\square$ Swimming (laps) | _min. |
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| $\square$ Hunting |  | $\square$ Soccer |  | $\square$ Other | _ min. |

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| $\square$ Golf | [ min. | $\square$ Rollerblading | _min. | $\square$ Weight lifting | _ min. |
| $\square$ Handball | [ min. | $\square$ Rowing | _min. | $\square$ Wrestling | _ min. |
| $\square$ Hiking | _ min. | $\square$ Sailing or paddle boat | _min. | $\square$ Yoga | _ min. |
| $\square$ Hockey | _min. | $\square$ Scuba diving | min. | $\square$ Other | _min. |
| $\square$ Horseback riding | - min. | $\square$ Shuffleboard | _min. | $\square$ Other | $\ldots$ min. |
| Hunting | min. | $\square$ Soccer | $\qquad$ min. | $\square$ Other | $\ldots \mathrm{min}$. |

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| Date: _- /_- ${ }^{\text {/ } 20}$ _ - | $\square$ | $\square$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square}$ | $\stackrel{\square}{\square} \stackrel{ }{\square}$ | $\stackrel{\square}{\square}$ |
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| Hockey | _ min. | $\square$ Scuba diving | _ min. | $\square$ | min. |
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| $\square$ Hunting |  | $\square$ Soccer |  | $\square$ Other | _ min. |

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If you have worn the SAM for 7 days please return the SAM in the preaddressed stamped envelope that you were given at your clinic visit. If you have lost the envelope please call your LABS coordinator (see last page for your LABS coordinators name and phone number) for a replacement.

If you have worn the SAM for fewer than 7 days, please continue to wear the SAM and fill out the make-up day(s) in the diary for up to 3 additional days.
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Make-up Day 1:

| Date: $-\ldots / \_-/ 20 \_—$ | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ | $\square$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
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| $\square$ Handball | _min. | $\square$ Rowing | _ min. | $\square$ Wrestling | min. |
| $\square$ Hiking | _ min. | $\square$ Sailing or paddle boat | $\ldots$ min. | $\square$ Yoga | _min. |
| $\square$ Hockey | _min. | $\square$ Scuba diving | min. | er | _min. |
| $\square$ Horseback riding | min. | $\square$ Shuffleboard | $\qquad$ min. | $\square$ Other | min. |
| $\square$ Hunting | $\ldots$ min. | $\square$ Soccer | $\ldots$ min. | $\square$ Other | $\ldots$ min. |

$\qquad$
Make-up Day 2: If you have worn the SAM 7 days, please return the SAM.
Date:___/___/20__

## 1. Did you wear the SAM today?

$\square 0$. NO $\rightarrow$ Please cross out this page and make up a day after day 7 .
$\square 1$. YES $\rightarrow$ Please continue
2. How many hours were you awake today, but not wearing the SAM? This includes the time

- between when you got out of bed in the morning and put on your SAM
- between when you took off the SAM and got into bed
- that you removed the monitor during the day
$\square$ 0-1 hour $\quad \square$ 1-2 hours $\quad \square$ 3-4 hours $\quad \square 5$ or more hours*
*If you removed the monitor for 5 or more hours today please make up a day after day 7

3. Did you walk today specifically for exercise?
4. NO
$\square 1$. YES $\longrightarrow$ Total minutes walked for exercise $\qquad$ min.
5. Using the list of physical activities below, please check any activities that you did today, and for each activity that you check indicate how long you did the activity. If you did any activities specifically for exercise today that are not listed below, please specify the activities after "other."

| $\square$ Aerobic Dance | - min. | $\square$ Horseshoes | - min. | $\square$ Skating (ice/roller) | min. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ Backpacking | - min. | $\square$ Jogging/running | _ min. | $\square$ Snow skiing | _ min. |
| $\square$ Badminton | - min. | $\square$ Jump roping | —min. | $\square$ Snorkeling | _ min. |
| Basketball | _ min. | $\square$ Lacross | _ min. | $\square$ Snow shoeing | _ min. |
| Baseball | _ min. | $\square$ Life Circuit weights | _min. | $\square$ Softball | _ min. |
| $\square$ Bicycling | _ min. | $\square$ Martial Arts | _ min. | $\square$ Spinning/cycling | _min. |
| $\square$ Bowling | _min. | $\square$ Miniature gol | _min. | $\square$ Stairmaster | _min. |
| $\square$ Calisthenics | [ min. | $\square$ Nautilu | $\bigcirc \mathrm{min}$. | $\square$ Step aerobics | $\ldots \mathrm{min}$. |
| $\square$ Canoe/Kayaking | [ min. | $\square$ Nordic Track | - min. | $\square$ Stretching exercices | _min. |
| $\square$ Cardio glide | _min. | $\square$ Pilate | - min. | $\square$ Swimming (laps) | _ min. |
| $\square$ Cross trainer | _min. | $\square$ Ping pong | _ min. | $\square$ Tai Chi | _ min. |
| $\square$ Dancing | _min. | $\square$ Play with kid (active) | _min. | $\square$ Tennis/platform tennis | _min. |
| $\square$ Fishing | _ min. | $\square$ Punching bag | _ min. | $\square$ Ultimate frisbee | _min. |
| $\square$ Football | — min. | $\square$ Racquetbal | _ min. | $\square$ Volleybal | - min. |
| $\square$ Frisbee | - min. | $\square$ Raftin | — min. | $\square$ Water jogging/aerobics | _min. |
| $\square$ Gardening | _ min. | $\square$ Rock climbing | _ min. | $\square$ Water skiing | _min. |
| $\square$ Golf | - min. | $\square$ Rollerblading | —min. | $\square$ Weight lifting | _min. |
| $\square$ Handbal | $\bigcirc \mathrm{min}$. | $\square$ Rowin | $\bigcirc \mathrm{min}$. | $\square$ Wrestling | $[$ min. |
| $\square$ Hiking | - min. | $\square$ Sailing or paddle boa | $\bigcirc \mathrm{min}$. | $\square$ Yoga | _min. |
| $\square$ Hockey | - min. | $\square$ Scuba divin | - min. | $\square$ | _ min. |
| $\square$ Horseback riding | $\bigcirc \mathrm{min}$. | $\square$ Shuffleboard | - min. | $\square$ | _ min. |
| $\square$ Hunting | ___min. | $\square$ Soccer |  | $\square$ Other |  |

$\qquad$
Make-up Day 3: If you have worn the SAM 7 days, please return the SAM.
Date:___/___/20__

## 1. Did you wear the SAM today?

$\square 0$. NO $\rightarrow$ Please cross out this page and make up a day after day 7 .
$\square 1$. YES $\rightarrow$ Please continue
2. How many hours were you awake today, but not wearing the SAM? This includes the time

- between when you got out of bed in the morning and put on your SAM
- between when you took off the SAM and got into bed
- that you removed the monitor during the day
$\square$ 0-1 hour $\quad \square$ 1-2 hours $\quad \square$ 3-4 hours $\quad \square 5$ or more hours*
*If you removed the monitor for 5 or more hours today please make up a day after day 7

3. Did you walk today specifically for exercise?
4. NO
$\square 1$. YES $->$ Total minutes walked for exercise $\qquad$ min.
5. Using the list of physical activities below, please check any activities that you did today, and for each activity that you check indicate how long you did the activity. If you did any activities specifically for exercise today that are not listed below, please specify the activities after "other."

| $\square$ Aerobic Dance | - min. | $\square$ Horseshoes | - min. | $\square$ Skating (ice/roller) | min. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\square$ Backpacking | - min. | $\square$ Jogging/running | _ min. | $\square$ Snow skiing | _ min. |
| $\square$ Badminton | - min. | $\square$ Jump roping | —min. | $\square$ Snorkeling | _ min. |
| Basketball | _ min. | $\square$ Lacross | _ min. | $\square$ Snow shoeing | _ min. |
| Baseball | _ min. | $\square$ Life Circuit weights | _min. | $\square$ Softball | _ min. |
| $\square$ Bicycling | _ min. | $\square$ Martial Arts | _ min. | $\square$ Spinning/cycling | _min. |
| $\square$ Bowling | _min. | $\square$ Miniature gol | _min. | $\square$ Stairmaster | _min. |
| $\square$ Calisthenics | [ min. | $\square$ Nautilu | $\bigcirc \mathrm{min}$. | $\square$ Step aerobics | $\ldots \mathrm{min}$. |
| $\square$ Canoe/Kayaking | [ min. | $\square$ Nordic Track | - min. | $\square$ Stretching exercices | _min. |
| $\square$ Cardio glide | _min. | $\square$ Pilate | - min. | $\square$ Swimming (laps) | _ min. |
| $\square$ Cross trainer | _min. | $\square$ Ping pong | _ min. | $\square$ Tai Chi | _ min. |
| $\square$ Dancing | _min. | $\square$ Play with kid (active) | _min. | $\square$ Tennis/platform tennis | _min. |
| $\square$ Fishing | _ min. | $\square$ Punching bag | _ min. | $\square$ Ultimate frisbee | _min. |
| $\square$ Football | — min. | $\square$ Racquetbal | _ min. | $\square$ Volleybal | - min. |
| $\square$ Frisbee | - min. | $\square$ Raftin | — min. | $\square$ Water jogging/aerobics | _min. |
| $\square$ Gardening | _ min. | $\square$ Rock climbing | _ min. | $\square$ Water skiing | _min. |
| $\square$ Golf | - min. | $\square$ Rollerblading | —min. | $\square$ Weight lifting | _min. |
| $\square$ Handbal | $\bigcirc \mathrm{min}$. | $\square$ Rowin | $\bigcirc \mathrm{min}$. | $\square$ Wrestling | $[$ min. |
| $\square$ Hiking | - min. | $\square$ Sailing or paddle boa | $\bigcirc \mathrm{min}$. | $\square$ Yoga | _min. |
| $\square$ Hockey | - min. | $\square$ Scuba divin | - min. | $\square$ | _ min. |
| $\square$ Horseback riding | $\bigcirc \mathrm{min}$. | $\square$ Shuffleboard | - min. | $\square$ | _ min. |
| $\square$ Hunting | ___min. | $\square$ Soccer |  | $\square$ Other |  |

## Stepwatch Activity Monitor (SAM) - Seven Day Diary

| PURPOSE: |
| :--- |
| PERSON(S) RESPONSIBLE: |
| SOURCES OF INFORMATION: |

WHEN TO ADMINISTER FORM:

## GENERAL INSTRUCTIONS

 (Patient)GENERAL INSTRUTIONS: (Clinician)

To collect information regarding the patient's physical activity.

Clinician/Coordinator
Patient
After patient provides informed consent for LABS-2.
The SAM should be given to the patient at the baseline visit and at the 12-month/annual follow up visits. For the baseline visit, the SAM should be given to the patient if it can be worn for at least three days, not including the day of surgery. The three qualifying days can include the day of the LABS 2 baseline visit as long as the SAM is put on in time for the patient to wear it for at least 10 hours that day. If the SAM can not be worn for at least three days before surgery, the SAM should not be given to the patient. However, the patient can still participate in LABS 2.

The Diary associated with the SAM should be completed by the patient. Written instructions of how to complete the diary are included with the diary.

Before the SAM is given/sent to the patient:
(1) Read section 7 of the LABS-2 MOP that explains preparation and configuration of the SAM. Follow all instructions carefully.
(2) Before meeting with the patient fill in the following information on the diary: the date/day on each page of the diary that corresponds to when the SAM is to be worn, and on the last page the date the SAM is to be returned and your name and phone number for reference in case the patient needs to make contact.
(3) Review the directions with the patient. This includes placement, timing, care, the diary, missed days and returning the SAM.

Let the participant know that he or she may wear the SAM 24 hours a day, including in the shower or pool (but not in a very hot bath or hot tub). Then show the participant two examples of activity reports. The first report should have 7 valid days of activity. The second report should have a couple days with greater than 10 hours of wear, a couple days with less than 10 hours of wear, and a couple days of no
\(\left.$$
\begin{array}{|l|l|}\hline \begin{array}{l}\text { wear. Explain that we are unable to use several days of data } \\
\text { from the second activity report because the SAM was not } \\
\text { worn for much of the day. }\end{array}
$$ <br>
(4) A pre-addressed stamped envelope should be given to <br>
the patient so that the SAM can be returned. The date which <br>
corresponds to 10 days after the SAM was given to the <br>
patient should be recorded on the last page of the SAM Log <br>
in the format mm/dd/yyyy. <br>
(5) A letter regarding the SAM (see MOP appendix) <br>
should be sent by mail to the patient the day that they receive <br>
the SAM so that they receive the letter a day or two later. It <br>
may be helpful to have patients complete the address portion <br>

of the envelope, to ensure appropriate address is used.\end{array}\right\}\)| After patient returns the SAM: |
| :--- |
| (1) Review the module for any missing items. Follow- |
| up with patient if necessary to record missing items, |
| or to clarify responses. |
| (2) Immediately download the SAM data, using the |
| docking station, as outlined in section 7 of the |
| LABS-2 MOP. |
| (3) On the last page of the SAM Log, the coordinator is |
| required to record how many week days (M-F) that |
| the SAM was worn and how many week-end days |
| the SAM was worn. |


| DATA SECTION | COMPLETION INSTRUCTIONS |
| :--- | :--- |
| PATIENT ID: | $\begin{array}{l}\text { Record the patient's ID number on the cover page of the } \\ \text { SAM. The ID number is assigned via the ID registration } \\ \text { application of the MATRIX Web Data Management System } \\ \text { (MATRIX). Instructions on using this application are } \\ \text { included in the MATRIX Manual. The ID should be written } \\ \text { on every page of the SAM Diary. } \\ \text { VISIT: } \\ \text { NOTE: The patient ID number is the same as that assigned } \\ \text { to the patient as part of the LABS-1 study. } \\ \text { Record the visit number that the SAM corresponds to on the } \\ \text { right hand corner of the cover page }\end{array}$ |
| Patient selects whether he/she wore the SAM on that date. If |  |
| not the patient should cross out the relevant diary page. |  |
| Note three make-up pages are available to the patient and |  |
| should be used in the event that the patient does not wear the |  |
| SAM for 7 consecutive days. |  |
| If the patient wore the SAM, then he/she should continue. |  |$\}$| Patient selects how many aggregate hours he/she was |
| :--- |
| awake on that day, but not wearing the SAM. This |
| includes the time between when he/she got out of bed in the |
| morning and put on his/her SAM, between when he/she took |
| of the SAM, and got into bed and anytime the monitor was |
| removed during the day. |
| Options include: |
| $0-1$ hours |
| $1-2$ hours |
| $3-4 ~ h o u r s ~$ |
| 5 or more hours. |
| Note that if the SAM was not worn for 5 or more hours, the |
| patient should wear the SAM for an additional day, for a |
| make-up. |

long the activity was done. If any of the activities were done specifically for exercise, are not listed then the activity should be recorded after "other."

