CLAIMS

1. A cap for a medication container comprising:
at least one pressure sensor;
an air supplying unit; and
a controller configured to:
receive a first air pressure measurement from inside the medication container from the at least one pressure sensor;
control the air supply unit to supply air at a predetermined pressure for a predetermined amount of time;
receive a second air pressure measurement from inside the medication container form the at least one pressure sensor; and
perform an output operation using the first and second air pressure measurements.

2. The cap according to claim 1, wherein the controller is configured to perform an output operation selected from the group consisting of:
sending the received first and second air pressure measurements to an external processor, and
determining the amount of medication in the medication container based on the received first and second air pressure measurements, dimensions of the medication container and data related to the type of medication.

3. The cap according to claim 1, wherein the controller is further configured to:
receive dimensions of the medication container; and
receive data related to the type of medication inside the medication container.

4. The cap according to claim 3, wherein the data related to the type of medication comprises dimension of pills at which the medication is given and wherein determining the amount of medication comprises determining the number of pills in the medication container.

5. The cap according to claim 3, wherein the data related to the type of medication comprises the medication is in form of a powder or the medication is in the form of liquid and wherein determining the amount of medication comprises determining the volume of the medication in the container.

6. The cap according to claim 1, further comprising an attachment sensor, wherein the

controller is further configured to:
receive an indication that medication container has been opened and then closed from the attachments sensor; and
receive the first air pressure measurement following receiving the indication.

7. The cap according to claim 1, wherein the cap is adapted to be fitted onto a medication container for storing at least one of the group consisting of: a medical drug, a dietary supplement, infant formula and vitamins.

8. The cap according to claim 1, wherein the air supply unit includes at least one of: an air pump and a pressurized air tank.

9. The cap according to claim 1, wherein the dimensions of the medication are received via a user interface in communication with the controller.

10. The cap according to claim 1, wherein the dimensions of the medication container are received from an external controller, and wherein the external controller is configured to:
receive one or more images of the container from a capturing device; and
determine the medication container based on the received one or more images.

11. The cap according to claim 1, wherein data related to the type of medication is received via a user interface in communication with the controller.

12. The cap according to claim 1, wherein data related to the type of medication is received from an external controller, and wherein the external controller is configured to:
receive one or more images of the medication; and
determine the data related to the type of medication based on the captured one or more images.

13. The cap according to claim 9, wherein the user interface is at least one of: a user interface included in the cap and a user interface included in a mobile device in communication with the controller.

14. The cap of claim 13, wherein the controller is further configured to:

present information related to the amount of medication in the medication container one the user interface.

15. The cap according to claim 13, wherein the information related to the amount of medication includes at least one of: the amount of medication; an alert if the amount is below a predetermined level and an alert to take the medication after a predetermined amount of time from a previous reduction in the amount of medication determined by the controller.

16. The cap according to claim 1, wherein the controller is further configured to:
determine a first amount of medication in the medication container;
initiate a time frame for determining a second amount of medication;
determine the second amount of medication in the medication container;
compare the first amount and the second amount; and
send an alert to the user interface based on the result of the comparison.

17. The cap according to claim 1, further comprising a communication unit configured to wirelessly communicate with external devices.

18. The cap according to claim 11, wherein the user interface is at least one of: a user interface included in the cap and a user interface included in a mobile device in communication with the controller.

19. The cap of claim 18, wherein the controller is further configured to:
present information related to the amount of medication in the medication container one the user interface.

20. The cap according to claim 18, wherein the information related to the amount of medication includes at least one of: the amount of medication; an alert if the amount is below a predetermined level and an alert to take the medication after a predetermined amount of time from a previous reduction in the amount of medication determined by the controller.