WHAT IS CLAIMED IS:

1. An electronic injection monitoring device configured to mate with a syringe having a flange, comprising:

a channel configured to receive at least a portion of the syringe;

one or more flange members configured to couple to the flange of the syringe and to be gripped during performance of an injection, wherein the one or more flange members are configured to act as a syringe flange during use;

one or more force sensors, each of the one or more force sensors being positioned within one of the one or more flange members; and

a communication module configured to transmit data from the one or more force sensors to an external device.

2. The electronic injection monitoring device of Claim 1, wherein each of the one or more force sensors is oriented to detect data associated with an amount of force applied to an underside of one of the one or more flange members during performance of an injection.

3. The electronic injection monitoring device of Claim 1, wherein the one or more force sensors comprise two-stage switches or analog sensors.

4. The electronic injection monitoring device of Claim 1, wherein the one or more force sensors are configured to measure one or more of capacitance, resistance, inductance, reflectivity, and voltage.

5. The electronic injection monitoring device of Claim 1, further comprising a sensor configured to detect deployment of a safety shield of the syringe.

6. The electronic injection monitoring device of Claim 5, wherein the sensor is a switch configured to activate in response to movement of a housing member of the syringe during deployment of the safety shield.

7. The electronic injection monitoring device of Claim 5, wherein the sensor configured to detect deployment of the safety shield is one of the one or more force sensors.

8. The electronic injection monitoring device of Claim 1, further comprising one or more orientation sensors.

9. The electronic injection monitoring device of Claim 1, further comprising a processor configured to read data from the one or more force sensors and determine a state of the syringe.

10. The electronic injection monitoring device of Claim 9, wherein the processor is configured to determine one or more of dose activation, dose progression, and dose completion based at least in part on the data from the one or more force sensors.

11. The electronic injection monitoring device of Claim 9, wherein the processor is configured to determine an amount of medicament injected by the syringe based at least in part on the data from the one or more force sensors.

12. The electronic injection monitoring device of Claim 9, wherein the processor is configured to determine deployment of a safety shield of the syringe based at least in part on the data from the one or more force sensors.

13. The electronic injection monitoring device of Claim 1, further comprising a temperature sensor.

14. An electronic injection monitoring system comprising the electronic injection monitoring device of Claim 1 and a second electronic injection monitoring device configured to mate with a plunger of the syringe, the second electronic injection monitoring device comprising:

a body shaped as a cap or disk and configured to mate with a finger press of the syringe plunger, wherein the body is configured to act as a finger press during use; and

one or more force sensors positioned within an interior portion of the body and configured to detect a force of a user applied to the body while the body acts as the finger press.

15. The electronic injection monitoring device of Claim 14, wherein the one or more force sensors are oriented to detect data associated with an amount of force applied to a top surface of the injection monitoring device during performance of an injection.

16. The electronic injection monitoring device of Claim 14, wherein the one or more force sensors comprise two-stage switches or analog sensors.

17. The electronic injection monitoring device of Claim 14, wherein the one or more force sensors are configured to measure one or more of capacitance, resistance, inductance, reflectivity, and voltage.

18. The electronic injection monitoring device of Claim 14, further comprising a sensor configured to detect deployment of a safety shield of the syringe.

19. The electronic injection monitoring device of Claim 18, wherein the sensor configured to detect deployment of the safety shield is one of the one or more force sensors.