What is claimed is:

1. A drug delivery device comprising:

a housing having an opening and a longitudinal axis;

a syringe including a needle having an insertion end configured to extend at least partially through the opening during a delivery state; and

a syringe holder comprising:

a proximal end and a distal end,

a hollow interior configured to receive at least a portion of the syringe,

a side opening distal to the proximal end, and

an outwardly extending protrusion proximal to the side opening, wherein during assembly of the syringe holder into the housing the outwardly extending protrusion is configured to support the syringe holder at a first axial position with respect to the longitudinal axis of the housing.

2. The drug delivery device of claim 1, wherein the outwardly extending protrusion is configured to contact a first inner portion of the housing when the syringe holder is in a first rotational position with respect to the housing to prevent the syringe holder from moving in a distal direction with respect to the housing.

3. The drug delivery device of claim 2, wherein the outwardly extending protrusion is (a) configured to permit movement of the syringe holder in a proximal direction with respect to the housing when the syringe holder is in the first axial position~~.~~, and/or (b)

~~4. The drug delivery device of any one of claims 2 or 3, wherein the outwardly extending protrusion is~~ configured such that the outwardly extending protrusion is rotationally offset from the first inner portion of the housing when the syringe holder is in a second rotational position with respect to the housing to permit movement of the syringe holder in the distal direction with respect to the housing.

4~~5~~. The drug delivery device of any one of claims 1 to 3~~4~~, wherein at least a portion of the syringe holder is configured to contact a second inner portion of the housing when the syringe holder is in a second axial position with respect to the longitudinal axis of the housing to prevent the syringe holder from moving in a distal direction with respect to the housing~~.~~, wherein optionally,

~~6. The drug delivery device of claim 5, wherein~~ the at least a portion of the syringe holder comprises a distally directed surface of the distal end of the syringe holder.

~~7~~5. The drug delivery device of any one of claims 1 to 4~~6~~, wherein the syringe holder comprises a second outwardly extending protrusion distal to the outwardly extending protrusion~~.~~, wherein optionally,

~~8. The drug delivery device of claim 7, wherein~~ at least one of the outwardly extending protrusion and the second outwardly extending protrusion contacts an inner portion of the housing when the syringe holder is in the first axial position to prevent the syringe holder from rotating in at least one rotational direction with respect to the housing.

~~9~~6. The drug delivery device of ~~any one of~~ claim~~s~~ ~~5~~7 ~~or 8~~, wherein the second outwardly extending protrusion is configured to be received between two inwardly extending protrusions of the housing when the syringe holder is in the first axial position to prevent the syringe holder from rotating with respect to the housing~~.~~, wherein optionally,

~~10. The drug delivery device of claim 9, wherein~~ the second outwardly extending protrusion is configured to form an interference-fit with the two inwardly extending protrusions of the housing.

~~11. The drug delivery device of any one of claims 7 to 10, wherein a length of the outwardly extending protrusion measured generally in a circumferential direction of the syringe holder is larger than a length of the second outwardly extending protrusion measured generally in the circumferential direction of the syringe holder.~~

~~1~~2~~7~~. The drug delivery device of any one of claims 1 to ~~6~~11, wherein at least a portion of the side opening is configured to align with at least a portion of a side opening of the housing when the syringe holder is in the first axial position.

~~13. The drug delivery device of claim 12, comprising a second side opening proximal to the side opening, wherein at least a portion of the second side opening is configured to align with the at least a portion of the side opening of the when the syringe holder is in a second axial position with respect to the longitudinal axis of the housing.~~

~~14. The drug delivery device of any one of claims 1 to 13, wherein at least a portion of the side opening is formed in a distally directed surface of the distal end of the syringe holder.~~

~~15. The drug delivery device of any one of claims 1 to 14, comprising an inwardly extending protrusion configured to support the at least a portion of the syringe when the at least a portion of the syringe is received within the hollow interior of the syringe holder.~~

~~16. The drug delivery device of any one of claims 1 to 15, comprising:~~

~~a plunger moveable in a distal direction with respect to the syringe to expel a drug from the syringe through the needle during the delivery state; and~~

~~a plunger biasing member configured to urge the plunger in the distal direction.~~

~~17. The drug delivery device of claim 16, comprising a guard positioned adjacent to the opening and configured to move with respect to the housing.~~

~~18. The drug delivery device of claim 17, wherein the guard is operably coupled with the plunger biasing member such that a relative movement between the guard and the housing along a longitudinal axis of the housing permits release of the plunger biasing member.~~

~~19. The drug delivery device of any one of claims 1 to 18, wherein the drug delivery device is an autoinjector~~

~~20~~8. A syringe holder for a drug delivery device, the syringe holder comprising:

a proximal end and a distal end;

a hollow interior configured to receive at least a portion of a syringe;

a side opening distal to the proximal end; and

an outwardly extending protrusion proximal to the side opening, wherein during assembly of the syringe holder into a housing of the drug delivery device the outwardly extending protrusion is configured to support the syringe holder at a first axial position with respect to a longitudinal axis of the housing of the drug delivery device.

~~21~~9. The syringe holder of claim ~~8~~20, wherein the outwardly extending protrusion is configured to contact a first inner portion of the housing of the drug delivery device when the syringe holder is in a first rotational position with respect to the housing of the drug delivery device to prevent the syringe holder from moving in a distal direction with respect to the housing of the drug delivery device.

~~22~~10. The syringe holder of claim ~~21~~9, wherein the outwardly extending protrusion is (a) configured to permit movement of the syringe holder in a proximal direction with respect to the housing of the drug delivery device when the syringe holder is in the first axial position~~.~~, and/or (b)

~~23. The syringe holder of any one of claims 21 or 23, wherein the outwardly extending protrusion is~~ configured such that the outwardly extending protrusion is rotationally offset from the first inner portion of the housing of the drug delivery device when the syringe holder is in a second rotational position with respect to the housing of the drug delivery device to permit movement of the syringe holder in the distal direction with respect to the housing of the drug delivery device.

~~24~~11. The syringe holder of any one of claims ~~8~~20 to 10~~23~~, wherein at least a portion of the syringe holder is configured to contact a second inner portion of the housing of the drug delivery device when the syringe holder is in a second axial position with respect to the longitudinal axis of the housing of the drug delivery device to prevent the syringe holder from moving in a distal direction with respect to the housing of the drug delivery device~~.~~, wherein optionally,

~~25. The syringe holder of claim 24, wherein~~ the at least a portion of the syringe holder comprises a distally directed surface of the distal end of the syringe holder.

~~26~~12. The syringe holder of any one of claims ~~20~~8 to ~~25~~11, wherein the syringe holder comprises a second outwardly extending protrusion distal to the outwardly extending protrusion~~.~~, wherein optionally,

~~27. The syringe holder of claim 26, wherein~~ at least one of the outwardly extending protrusion and the second outwardly extending protrusion contacts an inner portion of the housing of the drug delivery device when the syringe holder is in the first axial position to prevent the syringe holder from rotating in at least one rotational direction with respect to the housing of the drug delivery device.

~~28~~13. The syringe holder of ~~any one of~~ claim~~s~~ 12~~26 or 27~~, wherein the second outwardly extending protrusion is configured to be received between two inwardly extending protrusions of the housing of the drug delivery device when the syringe holder is in the first axial position to prevent the syringe holder from rotating with respect to the housing of the drug delivery device~~.~~, wherein optionally,

~~29. The syringe holder of claim 28, wherein~~ the second outwardly extending protrusion is configured to form an interference-fit with the two inwardly extending protrusions of the housing of the drug delivery device.

~~30. The syringe holder of any one of claims 26 to 29, wherein a length of the outwardly extending protrusion measured generally in a circumferential direction of the syringe holder is larger than a length of the second outwardly extending protrusion measured generally in the circumferential direction of the syringe holder.~~

~~31~~14. The syringe holder of any one of claims ~~20~~8 to 1~~3~~0, wherein at least a portion of the side opening is configured to align with at least a portion of a side opening of the housing of the drug delivery device when the syringe holder is in the first axial position.

~~32. The syringe holder of claim 31, comprising a second side opening proximal to the side opening, wherein at least a portion of the second side opening is configured to align with the at least a portion of the side opening of the housing of the drug delivery device when the syringe holder is in a second axial position with respect to the longitudinal axis of the housing of the drug delivery device.~~

~~33. The syringe holder of any one of claims 20 to 32, wherein at least a portion of the side opening is formed in a distally directed surface of the distal end of the syringe holder.~~

~~34. The syringe holder of any one of claims 20 to 33, comprising an inwardly extending protrusion configured to support the at least a portion of the syringe when the at least a portion of the syringe is received within the hollow interior of the syringe holder.~~

~~3~~15. A subassembly for a drug delivery device, the subassembly comprising:

a syringe holder comprising an outwardly extending protrusion;

a housing comprising:

a hollow interior configured to receive at least a portion of the syringe holder,

a first inwardly extending protrusion, and

a second inwardly extending protrusion distal to the first inwardly extending protrusion; and

wherein, during assembly, the syringe holder is in a first axial position with respect to a longitudinal axis of the housing where the outwardly extending protrusion of the syringe holder contacts the first inwardly extending protrusion of the housing and subsequently a second axial position with respect to the longitudinal axis of the housing where at least a portion of the syringe holder contacts the second inwardly extending protrusion of the housing.

~~3~~16. The subassembly of claim ~~3~~15, wherein the first inwardly extending protrusion is configured to prevent the syringe holder from moving in a distal direction with respect to the housing when the syringe holder is in a first rotational position with respect to the housing.

~~3~~17. The subassembly of claim ~~3~~16, wherein the first inwardly extending protrusion is configured to permit the syringe holder to move in the distal direction with respect to the housing when the syringe holder is in a second rotational position with respect to housing~~.~~, wherein optionally,

~~38. The subassembly of claim 37, wherein~~ the syringe holder is in the second rotational position when the syringe holder is in the second axial position.

~~39~~18. The subassembly of any one of claims ~~3~~15 to 17~~38~~, wherein the syringe holder comprises a second outwardly extending protrusion distal to the outwardly extending protrusion~~.~~, wherein optionally,

~~40. The subassembly of claim 39, wherein~~ at least one of the outwardly extending protrusion and the second outwardly extending protrusion contacts the first inwardly extending protrusion when the syringe holder is in the first axial position to prevent the syringe holder from rotating in at least one rotational direction with respect to the housing.

~~41~~19. The subassembly of ~~any one of~~ claim~~s~~ 18~~39 or 40~~, wherein the housing comprises a third inwardly extending protrusion adjacent to the first inwardly extending protrusion, and wherein the second outwardly extending protrusion of the syringe holder is disposed between the first inwardly extending protrusion of the housing and the third inwardly extending protrusion of the housing when the syringe holder is in the first axial position to prevent the syringe holder from rotating with respect to the housing~~.~~, wherein optionally,

~~42. The subassembly of claim 41, wherein~~ an interference-fit is formed between the second outwardly extending protrusion of the syringe holder and the first and third inwardly extending protrusions of the housing when the syringe holder is in the first axial position.

~~43~~20. The subassembly of any one of claims ~~35~~15 to ~~42~~19, wherein the syringe holder has a side opening, wherein the housing has a side opening distal to the first inwardly extending protrusion of the housing, wherein at least a portion of the side opening of the syringe holder is configured to align with at least a portion of the side opening of the housing when the syringe holder is in the first axial position and/or first rotational position.

~~44. The subassembly of claim 43, wherein the outwardly extending protrusion of the syringe holder is proximal to the side opening.~~

~~45. The subassembly of any one of claims 43 or 44, wherein at least a portion of the side opening is formed in a distally directed surface of the distal end of the syringe holder.~~

~~46. The subassembly of any one of claims 43 to 45, wherein the housing has a side opening distal to the first inwardly extending protrusion of the housing.~~

~~47. The subassembly of claim 46, wherein the side opening of the housing is proximal to the second inwardly extending protrusion of the housing.~~

~~48. The subassembly of any one of claims 46 or 47, wherein at least a portion of the side opening of the syringe holder is configured to align with at least a portion of the side opening of the housing when the syringe holder is in the first axial position and/or first rotational position.~~

~~49. The subassembly of any one of claims 46 to 48, wherein the syringe holder has a second side opening proximal to the side opening and at least a portion of the second side opening is configured to aligned with at least a portion of the side opening of the housing when the syringe holder is in the second axial position and/or second rotational position.~~

50. The subassembly of any one of claims 43 to 49, wherein at least a portion of the side opening of the syringe holder is configured to align with at least a portion of the syringe when the syringe is inserted in the syringe holder.

51. The subassembly of claim 50, wherein the side opening of the syringe holder does not align with the side opening of the housing of the drug delivery device when the syringe holder is in the second axial position and/or the second rotational position.

52. The subassembly of any one of claims 35 to 51, wherein the outwardly extending protrusion of the syringe holder does not contact the first inwardly extending protrusion of the housing when the syringe holder is in the second axial position.

53. The subassembly of any one of claims 35 to 52, wherein a distal end of the syringe holder comprises an inwardly extending protrusion configured to support a syringe when the syringe is inserted into the syringe holder.

54. The subassembly of any one of claim 35 to 53, wherein the syringe holder is the syringe holder according to any one of claims 20 to 34.

55. A method of assembling a syringe holder into a housing of a drug delivery device, the method comprising:

arranging the syringe holder at least partially within the housing of the drug delivery device at a first axial position with respect to a longitudinal axis of the housing of the drug delivery device;

while the syringe holder is arranged in the first axial position within the housing of the drug delivery device, inserting a syringe into the syringe holder; and

moving the syringe holder and the syringe in a distal direction with respect to the housing of the drug delivery device to a second axial position within the housing of the drug delivery device.

56. The method of any one of claim 55, wherein arranging the syringe holder in the first axial position within the housing of the drug delivery device comprises coupling the syringe holder to the housing of the drug delivery device to prevent the syringe holder from moving in at least the distal direction with respect to the housing of the drug delivery device.

57. The method of claim 56, wherein arranging the syringe holder in the first axial position within the housing of the drug delivery device comprises coupling the syringe holder to the housing of the drug delivery device to prevent the syringe holder from rotating with respect to the housing of the drug delivery device.

58. The method of any one of claims 56 or 57, comprising, prior to moving the syringe holder and the syringe to the second axial position within the housing of the drug delivery device, decoupling the syringe holder from the housing of the drug delivery device.

59. The method of claim 58, wherein decoupling the syringe holder from the housing of the drug delivery device comprises:

(a) moving syringe holder in a proximal direction with respect to the housing of the drug delivery device; and/or

(b) rotating the syringe holder with respect to the housing of the drug delivery device from a first rotational position to a second rotational position.

60. The method of claim 59, wherein decoupling the syringe holder from the housing comprises moving the syringe holder in a proximal direction with respect to the housing of the drug delivery device prior to rotating the syringe holder from the first rotational position to the second rotational position.

61. The method of any one of claims 59 or 60, wherein arranging the syringe holder in the first axial position within the housing of the drug delivery device comprises arranging the syringe holder in the first rotational position.

62. The method of any one of claims 59 to 61, wherein the syringe holder is in the second rotational position when arranged in the second axial position within the housing of the drug delivery device.

63. The method of any one of claims 59 to 62, wherein the syringe holder has a side opening, the housing has a side opening, and at least a portion of the side opening of the syringe holder is configured to align with at least a portion of the side opening of the housing when the syringe holder is in the first axial position and/or the first rotational position.

64. The method of claim 63, wherein the at least a portion of the side opening of the syringe holder is configured to align with at least a portion of the syringe when the syringe is inserted into the syringe holder.

65. The method of any one of claims 63 or 64, wherein the side opening of the syringe holder does not align with the side opening of the housing of the drug delivery device when the syringe holder is in the second axial position and/or second rotational position.

66. The method of any one of claims 63 to 65, wherein the syringe holder has a second side opening proximal to the first side opening and at least a portion of the second side opening of the syringe holder is configured to align with at least a portion of the side opening of the housing when the syringe holder is in the second axial position and/or second rotational position.

67. The method of any one of claims 63 to 66, comprising inspecting the syringe through the side opening of the syringe holder when the syringe holder is arranged in the second axial position.

68. The method of claim 67, wherein inspecting the syringe comprises visually inspecting a coupling between the syringe holder and the syringe.

69. The method of any one of claims 55 to 68, wherein inserting the syringe into the syringe holder comprises moving the syringe in a distal direction with respect to the housing of the drug delivery device.

70. The method of any one of claims 55 to 69, wherein the syringe comprises a needle covered by a removable sterile barrier.

~~71. The method of claim 70, wherein at least a portion of the removable sterile barrier is disposed outside of the syringe holder when the syringe is supported within the syringe holder.~~

~~72. The method of any one of claims 55 to 71, wherein the syringe is a pre-filled syringe.~~

~~73. The method of any one of claims 55 to 72, wherein the syringe holder is the syringe holder according to any one of claims 20 to 34.~~