CLAIMS

What is claimed is:

1. A method for mitigating risk of transmission of an infectious disease comprising:

providing a substantially transparent shield component;

providing a chamber component; and

providing a suctioning component for suctioning aerosol attached to the interior surface of said shield component out of the space between said shield component and an individual occupying an object over which the shield component has been placed.

2. The method of claim 1, wherein the substantially transparent shield component is operatively attached to a dolly and is extendable from said dolly over the object.

3. The method of claim 1, wherein the substantially transparent shield component is operatively attached to a chair and is extendable over an individual occupying the chair.

4. The method of claim 1, wherein the substantially transparent shield component is operatively attached to a ceiling in a room and is extendable downward from said ceiling over an individual located in said room.

5. The method of claim 1, wherein the substantially transparent shield component is operatively attached to a seat in an aircraft and is extendable over an individual occupying said seat.

6. The method of claim 1, wherein the substantially transparent shield component is operatively attached to a seat in an automobile and is extendable over an Individual occupying said seat.

7. The method of claim 1, wherein the substantially transparent shield component is operatively attached to a bed and is extendable over an individual occupying said bed.

8. The method of claim 1, wherein the chamber component comprises one or more diodes emitting ultraviolet light.

9. The method of claim 1, wherein the substantially transparent shield component comprises a magnifying aspect.

10. The method of claim 9, wherein the magnifying aspect consists of one or more of the following: magnifying glass, light emitting diodes, and a camera communicatively connected to a display screen.

11. The method of claim 10, wherein said display screen comprises a liquid crystal display.

12. The method of claim 1, wherein the substantially transparent shield component, the chamber component, and the suctioning component comprise a single integrated unit.

13. The method of claim 12, wherein the integrated unit further comprises storage for replacement substantially transparent shields.

14. The method of claim 1, further comprising a docking station for providing electrical power to the substantially transparent shield component, the chamber component, and the suctioning component.

15. A method for mitigating risk of transmission of an infectious disease comprising:

providing a single integrated unit comprising:

a substantially transparent shield component,

a chamber component, and

a suctioning component for suctioning aerosol attached to the interior surface of said substantially transparent shield component out of the space between said shield component and an individual occupying an object over which the shield component has been placed.

16. The method of claim 15, wherein the integrated unit is mountable to a wall.

17. The method of claim 15, wherein the chamber component comprises diodes emitting ultraviolet light.

18. The method of claim 15, wherein the substantially transparent shield component comprises a magnifying aspect.

19. The method of claim 18, wherein the magnifying aspect consists of one or more of the following: magnifying glass, light emitting diodes, and a camera communicatively attached to a display screen.

20. The method of claim 15, wherein the substantially transparent shield component is placed approximately 10 inches from the individual's face.

21. A system for mitigating risk of transmission of an infectious disease comprising:
a substantially transparent shield component;
a chamber component: and
a suctioning component for suctioning aerosol attached to the interior surface of said shield component out of the space between said shield component and an individual occupying an object over which the shield component has been placed.

22. The system of claim 21, wherein the substantially transparent shield component is operatively attached to a dolly and is extendable from said dolly over an object.

23. The system of claim 21, wherein the substantially transparent shield component is operatively attached to a chair and is extendable over an individual occupying the chair.

24. The system of claim 21, wherein the substantially transparent shield component is operatively attached to a ceiling in a room and is extendable downward from said ceiling over an individual located in said room.

25. The system of claim 21, wherein the substantially transparent shield component is operatively attached to a seat in an aircraft and is extendable over an individual occupying said seat.

26. The system of claim 21, wherein the substantially transparent shield component is operatively attached to a seat in an automobile and is extendable over an individual occupying said seat.

27. The system of claim 21, wherein the substantially transparent shield component is operatively attached to a bed and is extendable over an individual occupying said bed.

28. The system of claim 21, wherein the chamber component further comprises one or more diodes emitting ultraviolet light.

29. The system of claim 21, wherein the substantially transparent shield component further comprises magnifying material.

30. The system of claim 21, wherein the suctioning component comprises a device capable of creating a vacuum, wherein said device comprises an air filter.

31. The system of claim 21, further comprising a light source located on an interior surface of the substantially transparent shield component.

32. The system of claim 21, wherein the substantially transparent shield component, the chamber component, and the suctioning component comprise a single integrated unit.

33. The system of claim 32, wherein the integrated unit further comprises storage for replacement substantially transparent shields.

34. The system of claim 21, further comprising a docking station for providing electrical power to the system.

35. A system for mitigating risk of transmission of an infectious disease comprising:

a single integrated unit comprising:

a substantially transparent shield component,

a chamber component, and

a suctioning component for suctioning aerosol attached to the interior surface of said substantially transparent shield component out of the space between said shield component and an individual occupying an object over which the shield component has been placed.

36. The system of claim 35, wherein the integrated unit is mountable to a wall.

37. The system of claim 35, wherein the chamber component comprises diodes emitting ultraviolet light.

38. The system of claim 35, wherein the substantially transparent shield component comprises magnifying material.

39. The system of claim 35, further comprising lighting located on an interior surface of the substantially transparent shield component.

40. The system of claim 35, further comprising a docking station wherein the docking station providers power to the system.

41. A system for mitigating risk of transmission of an infectious disease comprising:

a substantially transparent shield component;

a chamber component: and

a suctioning component for suctioning aerosol attached to the interior surface of said shield component out of the space between said shield component and an individual occupying a chair over which the shield component has been placed.

42. The system of claim 41, wherein the substantially transparent shield component is

operatively attached to the chair by a mechanical arm.

43. The system of claim 42, wherein said mechanical arm is collapsible and extendable.

44. The system of claim 41, wherein said substantially transparent shield component further comprises a camera communicatively connected to a display screen.

45. The system of claim 44, wherein said display screen is located within the substantially transparent shield component.

46. The system of claim 45, wherein said display screen comprises a liquid crystal display screen.

47. The system of claim 41, wherein the suctioning component comprises a hose connected to the substantially transparent shield component.

48. The system of claim 41, wherein the substantially transparent shield component comprises a dental tray.

49. The system of claim 41, wherein the substantially transparent shield component is connected to a dental lamp.

50. The system of claim 41, wherein the substantially transparent shield component comprises glass or plastic.

51. The system of claim 41, wherein the substantially transparent shield component, the chamber component, and the suctioning component, comprise a single integrated unit.

52. The system of claim 41, wherein the substantially transparent shield component is between approximately four feet and approximately four feet, six inches in length.

53. The system of claim 41, wherein the substantially transparent shield component comprises material on each of the left-hand side and the right-hand side of the shield component extending from the surface of the shield component toward the chair so as to at least partially enclose an occupant of the chair.

54. The system of claim 42, wherein the mechanical arm is:

operatively attached to a ceiling; and

extends downward from said ceiling;

and wherein said arm is connected to, and extends alongside, a dental lamp.

55. The system of claim 41, wherein the substantially transparent shield component comprises light emitting diodes exuding light toward the interior of the individual's mouth.

56. The system of claim 51, wherein said integrated unit is mountable to a wall.

57. The system of claim 50, wherein the substantially transparent shield component comprises plastic and wherein said plastic is selected from the group consisting of: polymethyl methacrylate, cellulose acetate butyrate, polycarbonate, and glycol modified polyethylene terephthalate.

58. The system of claim 53, wherein:

the substantially transparent shield component further comprises an aperture on each of the left-hand and right-hand sides of the substantially transparent shield component extending from the surface of the shield component toward the chair; and

wherein said apertures are between approximately 6 inches and approximately 9 inches in height and between approximately 7.5 inches and approximately 10 inches in width.

59. A system for mitigating risk of transmission of an infectious disease comprising:

a substantially transparent shield component:

a chamber component; and

a suctioning component for suctioning aerosol attached to the interior surface of said shield

component out of the space between said shield component and an individual occupying a seat in an aircraft over which the shield component has been placed;

wherein the substantially transparent shield component is operatively attached to said seat; and

wherein said suctioning component comprises a hose extending from said substantially transparent shield component to a ventilation system existing within the aircraft.

60. The system of claim 59, further comprising a release mechanism for detaching the substantially transparent shield component from the seat.