

VentMon: A Free-Libre Open Source Tester/Monitor for Pandemic Ventilators

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Abstract

1 Pandemic Response Demand Testing and Monitoring

Collecting long-term ventilation data is important [1].

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- 2 The VentMon Device
- 3 PIRDS: The Public Invention Respiration Data Standard
- 4 Breath Plot: An Open Clinical Analysis
- 5 A Public Data Lake
- 6 Future Plans
 - 6.1 Standalone Testing
 - 6.2 Itegration as a Monitor
 - 6.3 Multi-day Data Collection

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References

- [1] REHM, G. B., KUHN, B. T., DELPLANQUE, J.-P., GUO, E. C., LIENG, M. K., NGUYEN, J., ANDERSON, N. R., AND ADAMS, J. Y. Development of a research-oriented system for collecting mechanical ventilator waveform data. *Journal of the American Medical Informatics Association* 25, 3 (2018), 295–299.