

COVID-19 Technical Advisory Cell
WORKING FIGURES AND IN CONFIDENCE

Total Case Projections (Reasonable Worst Case)		Quartiles of RWC			
		25%	50%	75%	100%
Wales population	3,100,000				
People infected	80% of entire population	620,000	1,240,000	1,860,000	2,480,000
People showing symptoms	50% of infected population	387,500	775,000	1,162,500	1,550,000
Time from showing symptoms to being hospitalised	90% of hospitalisations range from 3-8 days post showing first symptoms				
People hospitalised	13% of those symptomatic hospitalised	50,375	100,750	151,125	201,500
Requiring oxygen	4 l/min, average length of stay 7.8 days				
Non invasive ventilation	9% of those hospitalised - 6 l/min, average length of stay 11.7 days	4,534	9,068	13,601	18,135
Invasive ventilation	9% of those hospitalised - 8 l/min, average length of stay 15.6 days	4,534	9,068	13,601	18,135
Infection Fatality Rate	1% of those infected, based on WUHAN - overwhelmed system	6,200	12,400	18,600	24,800

Single Wave (95% cases in 9 weeks) peak Reasonable Worst Case – modelled with no behaviour measures

The attached slide-set includes breakdown projections by NHS Wales Healthboard and also describes the potential impact of possible non-pharmaceutical behavioural interventions:



COVID_RWC_Demand
 Figures_V3_202003