

1. Record Nr.	UNINA9910734840103321
Autore	Hellwig Marcus
Titolo	The Probabilistic SIR Model (PSIR) in the Pandemic Process : Project Management in Prevention and Support / / by Marcus Hellwig
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer Vieweg, , 2023
ISBN	3-031-31190-6
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (78 pages)
Collana	Springer essentials, , 2731-3115
Disciplina	614.5924144
Soggetti	Statistics Public health Probabilities Applied Statistics Public Health Applied Probability
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Occasion, derived from a letter to the editor -- Objectives -- SIR model as a basis for a probabilistic model -- Introduction: Consideration of an infection interval for a federal state -- The "infection curve" $I(t)$ is replaced by the skewed, steep E_{qb} density function -- Random ranges of NV and E_{qb} -- Presentation of the equilibrium distribution, E_{qb} -- Infection management in connection with the course of the incidence -- Infection, avoidance and healing process, feedback -- Representation of a process management -- Pre-phase planning supported by network planning technology -- Summary.
Sommario/riassunto	With all the insights experienced in the COVID process, one essential remains: "The virus remains a constant companion". In contrast to regularly occurring infection processes, a COVID infection takes a different course. This is characterized by a dynamic that deviates from conventional, well-known processes in that the originators change their identity and develop corresponding variants. Therefore, preventive infection management - supported by statistical-probabilistic analyzes with PSIR - is important for preventive management of resources and

infrastructure for the "waves ahead of the wave". Content The "infection curve" $I(t)$ is replaced by the skewed, steep Eqb - density function
Representation of a process management Pre-phase planning supported by network planning technology Target Groups Virology, Departments of Health and Human Services Statistics Departments The Author Marcus Hellwig is a quality manager as qualified by the German Society for Quality DGQ and author of specialist books.
