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** COVID-19 Epidemiologia Estadística matemàtica Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Occasion, derived from a letter to the editor -- Objectives -- SIR model Nota di contenuto 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 Eqb density function -- Random ranges of NV and Eqb -- Presentation of the equibalance distribution, Eqb --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.