1. Record Nr. UNINA9910574857303321 Autore Hellwig Marcus Titolo SIR - Model Supported by a New Density: Action Document for an Adapted COVID - Management / / by Marcus Hellwig Pubbl/distr/stampa Cham: .: Springer International Publishing: .: Imprint: Springer. . 2022 **ISBN** 3-031-05273-0 Edizione [1st ed. 2022.] Descrizione fisica 1 online resource (73 pages) Collana Springer essentials, , 2731-3115 Disciplina 614.592414 Soggetti Statistics Public health **Biometry Probabilities** Mathematical statistics Virology **Applied Statistics** Public Health **Biostatistics Applied Probability Mathematical Statistics** Epidemiologia COVID-19 Llibres electrònics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references. Occasion -- Objectives -- SIR model as the basis for a probabilistic Nota di contenuto model -- Preventive consideration using probabilistic SIR modelling --The "infection curve" I (t) is replaced by the inclined, steep Eqb density function -- Events and findings from the recent past -- Ways out of symmetry, union with asymmetry -- Random scatter areas of the NV and the Egb -- Presentation of the Equibalance Distribution, Egb --

Infection management in relation to the course of incidence.

The SIR - model supported by a new density and its derivatives receive

Sommario/riassunto

a statistical data background from frequency distributions, from whose parameter values over the new density distribution a quality-oriented probability of the respective infection process and its future can be concluded. Thus the COVID - management receives a functionally model basis for the preventive control of the components time planning, cost development, quality management and personnel and material employment. The content SIR model as the basis for a probabilistic model Preventive consideration using probabilistic SIR modeling The "infection curve" I (t) is replaced by the inclined, steep Egb density function Events and findings from the recent past Ways out of symmetry, union with asymmetry Random scatter areas of the NV and the Eqb Presentation of the Equibalance Distribution, Eqb Infection management in relation to the course of incidence The target groups Health resources and services management, virology, students. statisticians. The author Marcus Hellwig is a quality manager according to the qualification by the German Society for Quality DGQ and author of technical books.