

## Supplementary document: questionnaire(Table version).

### Title:Attitude and willingness of Chinese adults with rheumatic diseases to receive COVID-19 vaccination

Dear friends: In order to inquire the problems,difficulties and needs of rheumatism patients in the process of COVID-19 vaccination,our hospital(Futian Rheumatology Hospital,Shenzhen,China) and a team from the Public Health Department of Sun Yat-sen University,China conduct a survey.The questionnaire we provided is answered anonymously.Completion of the network survey did not result in any benefit or financial compensation for respondents who finish this survey.This questionnaire contains 22 questions and takes about 3 minutes. Thank you for your support and cooperation!

Number	Item	Choice
Q1	Gender	<input type="checkbox"/> Male <input type="checkbox"/> Female
Q2	Age	<input type="checkbox"/> 18-35 years old <input type="checkbox"/> 36-45 years old <input type="checkbox"/> 46-60 years old
Q3	Educational level	<input type="checkbox"/> High school and below <input type="checkbox"/> University <input type="checkbox"/> Master degree or above
Q4	Current marital status	<input type="checkbox"/> Unmarried <input type="checkbox"/> Married without child <input type="checkbox"/> Married with children <input type="checkbox"/> Others
Q5	Monthly income(yuan)	<input type="checkbox"/> ≤5000 <input type="checkbox"/> 5001-10000 <input type="checkbox"/> ≥10001
Q6	Employment status	<input type="checkbox"/> Yes <input type="checkbox"/> No
Q7	Current medical expenses	<input type="checkbox"/> Personal expense <input type="checkbox"/> Medical insurance
Q8	Rheumatism duration (years)	<input type="checkbox"/> <2 <input type="checkbox"/> 2-5 <input type="checkbox"/> >5
Q9	Diagnosis	<input type="checkbox"/> SLE <input type="checkbox"/> RA <input type="checkbox"/> AS <input type="checkbox"/> GOUT <input type="checkbox"/> PSS
Q10	Concomitant systemic impairment	<input type="checkbox"/> Yes <input type="checkbox"/> No
Q11	Drugs used within three months	<input type="checkbox"/> Corticosteroid <input type="checkbox"/> HCQ <input type="checkbox"/> MTX <input type="checkbox"/> LEF <input type="checkbox"/> FEBOXOSTAT <input type="checkbox"/> bDMARDs

Q12	Way of communication with doctors	<input type="checkbox"/> Hospital <input type="checkbox"/> WeChat <input type="checkbox"/> Medical online platform <input type="checkbox"/> Phone
Q13	Why didn't you intent to be vaccinated?	<input type="checkbox"/> There are contraindications to vaccination <input type="checkbox"/> In the acute stage of acute diseases and chronic diseases <input type="checkbox"/> Plan for pregnancy <input type="checkbox"/> Worried that the disease will worsen due to the discontinuation of Rheumatism drugs during vaccination <input type="checkbox"/> Worried about the side effects of vaccines <input type="checkbox"/> There are no cases of COVID-19 in the local area and there is no need to vaccinate <input type="checkbox"/> Vaccination is inconvenient <input type="checkbox"/> Not informed <input type="checkbox"/> Vaccine shortage <input type="checkbox"/> Currently vaccinated with other vaccines (such as HPV vaccine)
Q14	Do you think it is important to receive COVID-19 vaccine for RD patients?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Q15	Have you known the COVID-19 vaccination guidelines (the first edition) issued by China Health and Health Commission in March 2021?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Q16	What types of COVID-19 vaccine do you know at present?	<input type="checkbox"/> Inactivated vaccine <input type="checkbox"/> Adenovirus vector vaccine <input type="checkbox"/> Recombinant subunit vaccine <input type="checkbox"/> Nucleic acid vaccine <input type="checkbox"/> Attenuated influenza virus vector vaccine <input type="checkbox"/> mRNA vaccine <input type="checkbox"/> Don't know
Q17	To what extent do you agree that vaccination against COVID-19 is one of the important method to prevent and control the epidemic?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5
Q18	Do you think COVID-19 vaccine should be vaccinated for all?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Q19	Which aspects are you most concerned about COVID-19 vaccine?	<input type="checkbox"/> Security <input type="checkbox"/> Curative effect <input type="checkbox"/> Impact on rheumatism
Q20	Do you think COVID-19 vaccine is effective?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3
Q21	What do you think about the level of risk degree of the COVID-19 vaccine?	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5

Q22	Did you intent to be vaccinated against COVID-19?	<input type="checkbox"/> Yes <input type="checkbox"/> No
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**Abbreviations:** Systemic Lupus Erythematosus (SLE), rheumatoid arthritis (RA), ankylosing spondylitis (AS), primary Sjogren 's syndrome (PSS ), hydroxychloroquine (HCQ), Methotrexate (MTX), Leflunomide (LEF), Biological disease relief anti-rheumatic drugs (bDMARDs), rheumatoid arthritis (RA).

**Notes:**Please select the appropriate option for the following statements based on your actual situation,where the degree of importance is expressed as:1-very important,2-more important,3-uncertain,4-less important,5-very unimportant; agree The degree is expressed as:1-very important,2-relatively agree,3-indifferent,4-relatively agree,5-very agree; the effective degree is expressed as 1-effective,2-general,3-invalid;the degree of risk is expressed as:1 -The risk is extremely small,2- the risk is small,3- the risk is average,4- the risk is greater,and the 5- risk is extremely high.