## Improve my RIS file project

### Scope

- Proof of concept of sharing meta-data from existing repositories
- "Meta-data" is the added value of "appraised" evidence products
- The focus is
  - not on RIS, (i.e. can be RIS, CSV, Jason (HL7 FHIR))
  - But on building a shared knowledge base.

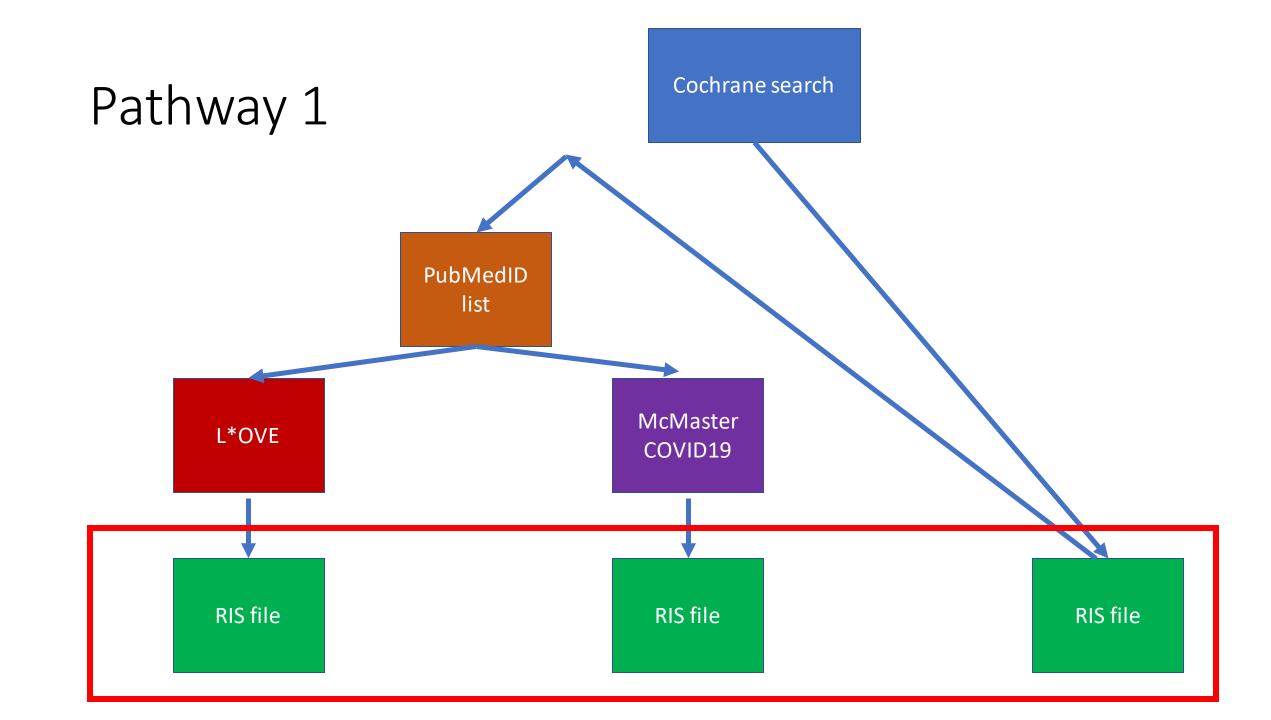
# What does this address and what does it not address?

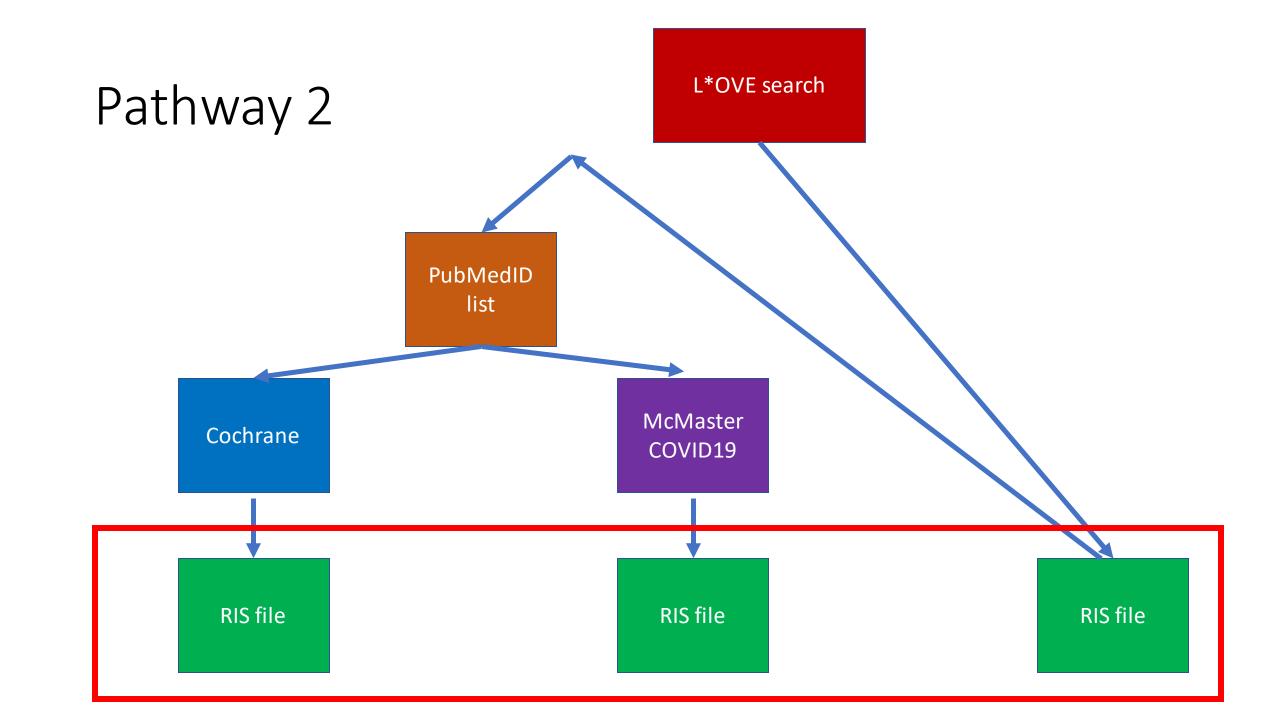
- It is a proof of concept for and approach to:
  - Obtaining meta-data for records from existing repositories
- It does not address:
  - Comprehensive searching (retrieving all references from all databases)
  - Federated searching (searching multiple databases at the same time)
  - De-duplication, or finding references unique to each repository
- It is a starting, not final point

## Worked example

Performing/updating a review on the value of quarantine

- Search string:
  - quarantine isolation lockdown "lock down" cordon "community containment" "containment area"
- Background:
  - ORing the terms on PubMed: 2,034,420 results
  - ANDing COVID19: 3,736 results





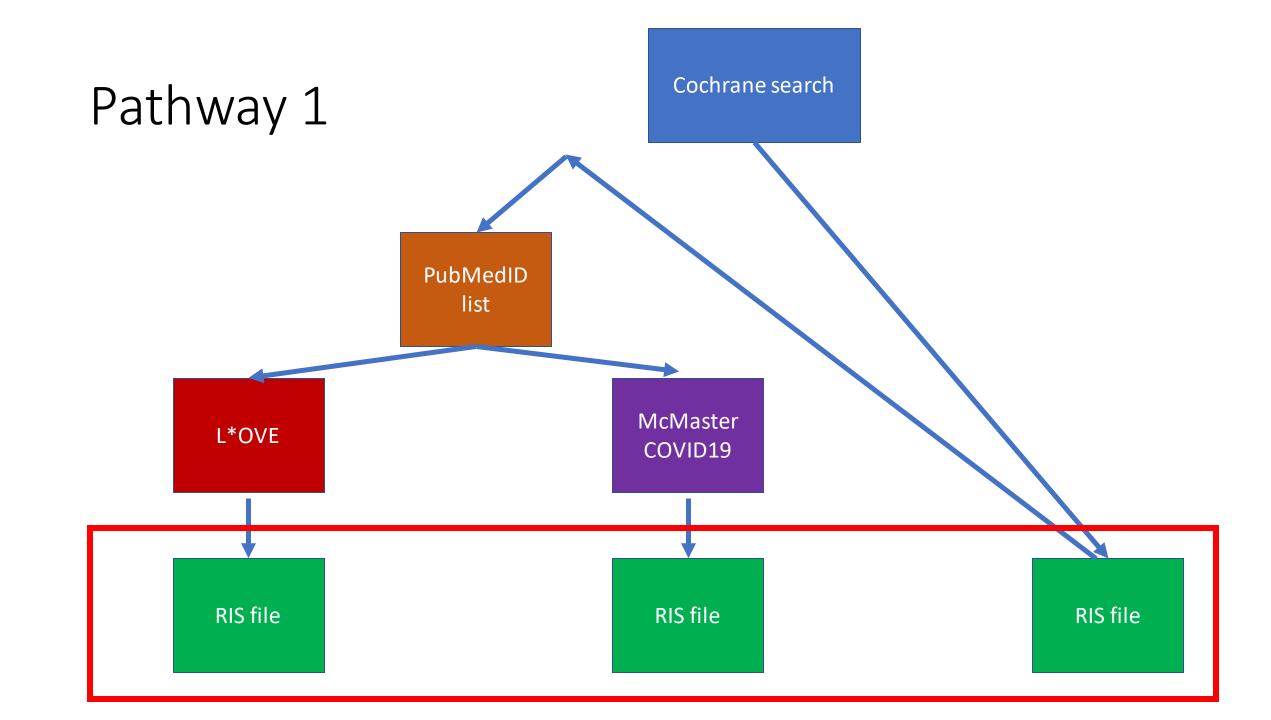
### End-result: merged RIS

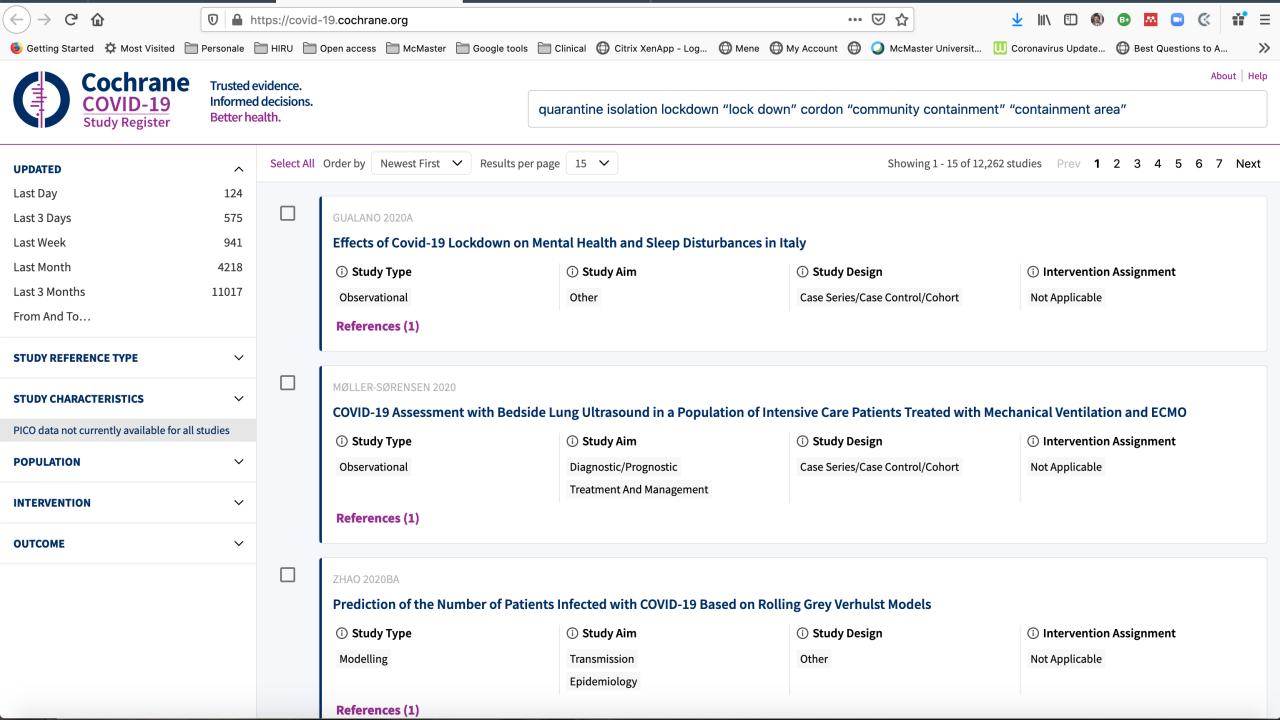
PMID	C-D	E-D	P-D	C-PICO	E-used in SR	P-quality grade
1	RCT	RCT	RCT			
2	Obs	Non-RCT	Obs			
3	Modeling	Non-RCT	Obs			
4	•••					
5	••••					

#### Still to agree on:

- Which field to export
- How to code them
- RIS vs CSV
- FIHR Json

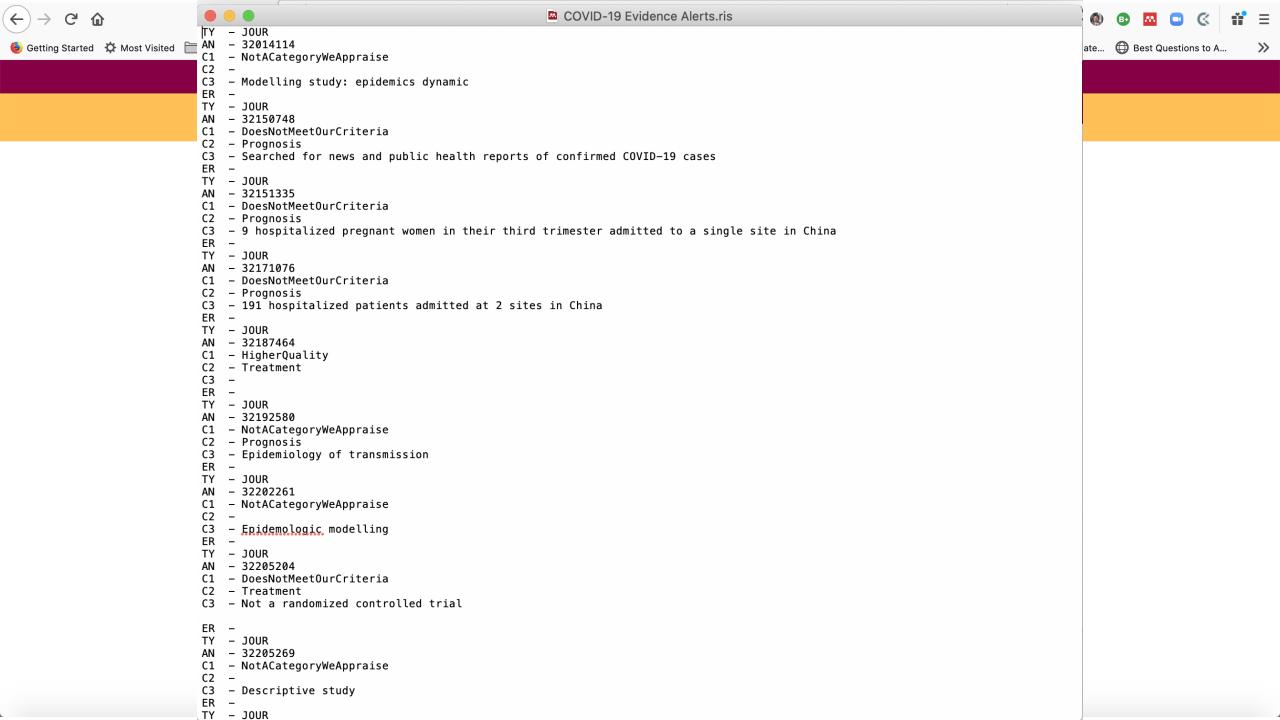
RIS/CSV/Jason availability is the base for building a RIS/CSV/json "manager" to automate querying, merging, deduplication, etc

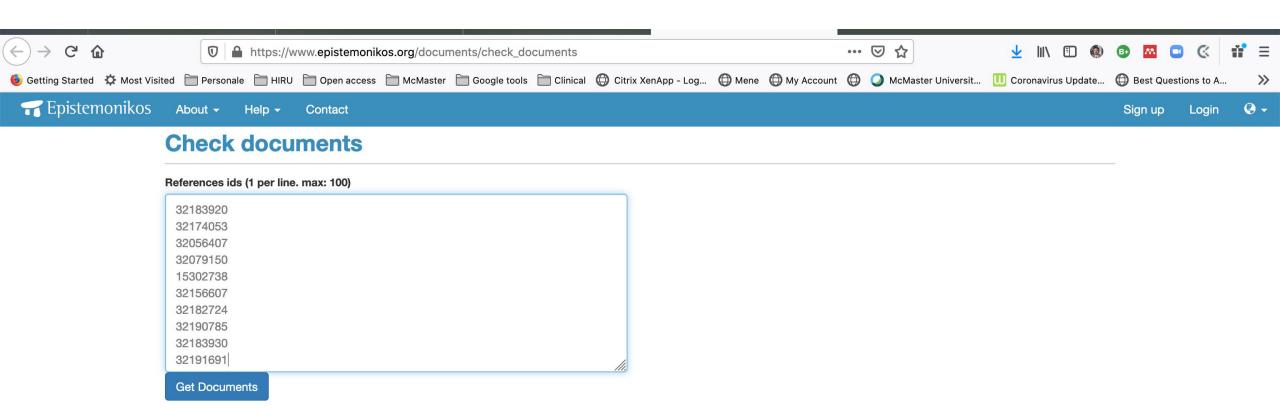




		CochraneCovidExport.txt	
		- JOUR - 7245989	
Cochran		- NCT02735707 - NCT02735707	About He
COVID-19		- 13266293 - NCT02735707	
Study Register	TI	- Randomized, Embedded, Multifactorial Adaptive Platform Trial for Community- Acquired Pneumonia - MJM Bonten	
	PY	- 2015 - ClinicalTrials.gov	
UPDATED	UR	- https://clinicaltrials.gov/show/NCT02735707	
Last Day	AB	<ul> <li>REMAP-CAP is a randomised, embedded, multifactorial, adaptive platform trial for community-acquired pneumonia.</li> </ul>	<b>1</b> 2 3 4 5 6 7 Next
Last 3 Days		The purpose of this study is to evaluate the effect of a range of interventions to improve outcome of outcome outcome of outcome of outcome of outcome of outcome of outcome outcome outcome outcome outcome of outcome	
Last Week		In addition, REMAP-CAP provides and adaptive research platform for evaluation of multiple	
Last Month	KW	treatment modalities in the event of a respiratory pandemic resulting in critical illness Pneumonia // Lung Diseases // Respiratory Tract Diseases // Respiratory Tract Infections // Anti-Bacterial Agents // Moxifloxacin // ofloxacin // Antibiotics // Hydrocortisone // Anti-Infective Agents // Ceftriaxone // Piperacillin-tazobactam // Ceftaroline // Amoxicillin-	
Last 3 Months	cla	vulanate // Oseltamivir // COVID-19 // Influenza // Intensive care // Critical care	i Ai
From And To	M3 DB	<ul> <li>ClinicalTrials.gov</li> <li>Interventional; Randomised; Parallel/Crossover; Treatment and management; Trial registry record; OTHER; Trial record</li> <li>Cochrane COVID-19 Register</li> </ul>	ion Assignment le
CTUDY DEFENDANCE TYPE	ER		
STUDY REFERENCE TYPE		- JOUR - 8246901	
STUDY CHARACTERISTICS		- NCT02517489 - NCT02517489	
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PICO data not currently available for	OITI	<ul> <li>Community—Acquired Pneumonia: Evaluation of Corticosteroids</li> <li>University Hospital, Tours</li> </ul>	
POPULATION	PY	- 2015 - Cortisol succinate // Hydrocortisone // Hydrocortisone 17-butyrate 21-propionate // Hydrocortisone acetate // Pneumonia	
	T2	- ClinicalTrials.gov - https://clinicaltrials.gov/show/NCT02517489	
INTERVENTION		- Mortality of severe Community-Acquired Pneumonia (CAP) has not declined over time and is between 25 and 30% in sub-groups of patients. Corticosteroids (CTx) could down-regulate pulmonary and systemic inflammation, accelerate clinical resolution and decrease the rate of	ion Assignment
ОUTCOME		inflammation—associated systemic complications. Two recent meta—analyses suggest a positive effect on severe CAP day 28 survival when CTx are added to standard therapy. However they are based on only four trials gathering less than 300 patients, of which only one was positive.  Recently published guidelines do not recommend CTx as part of CAP treatment. Therefore a	le i
		well-powered trial appears necessary to test the hypothesis that CTx – and more specifically	
		hydrocortisone — could improve day 28 survival of critically—ill patients with severe CAP, severity being assessed either on a Pulmonary Severity Index ≥ 130 (Fine class V) or by the use of mechanical ventilation or high–Fi02 high–flow oxygen therapy.	
		A phase—III <u>multicenter</u> add—on randomized controlled double—blind superiority trial assessing the efficacy of hydrocortisone vs. placebo on Day 28 all—causes mortality, in addition to antibiotics and supportive care, including the correction of <u>hypoxemia</u> .	e - January 2-February 29,
		Randomization will be stratified on: (i) centers; (ii) use of mechanical ventilation at the time of inclusion.	Selected <u>Export</u>   <u>Clear</u>
	KW T2	<ul><li>Community-Acquired Pneumonia (CAP) // Hydrocortisone // Corticosteroids // COronaVIrus Disease</li><li>ClinicalTrials.gov</li></ul>	le
	М3	<ul> <li>Interventional; Randomised; Parallel/Crossover; Treatment and management; Trial registry record; Other; Trial record</li> <li>Cochrane COVID-19 Register</li> </ul>	

Home		AA	AB	AC	AD	ents
	-	Study Type	Intervention assignment	Study design detail	Study aim	
Paste	Ø,	Interventional	Randomised	Parallel/Crossover	Treatment and management	
A1	ossible	ticle				As
	A	Observational	Not applicable	Cross-sectional	Diagnostic/Prognostic // Epiden	1900 00000
2	record 7245989 8246901	Observational	Not applicable	Cross-sectional	Diagnostic/Prognostic // Mecha	neadir Ot Pn I succ Co
5	8314390 8486785	Observational	Not applicable	Cross-sectional	Diagnostic/Prognostic // Mecha	
7 1	.2586637 .3089848 .3102447	Observational	Not applicable	Case report	Epidemiology // Mechanism	predn Pn cent / Co
10 1	3102537 3102545	Modelling // Observation	Not applicable		Epidemiology // Prevention //	An ic) // ep
12 1	.3102548 .3102558 .3102569	Observational	Not applicable	Case series/Case contro	Transmission	2077 en cent // A ronav Be
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19 1 20 1	3102679 3102685	Modelling	Not applicable		Epidemiology // Prevention //	oronaviru ronav 20
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24 <b>1</b> 25 <b>1</b>	.3102714 .3102715	Observational	Not applicable	Case series/Case contro	Diagnostic/Prognostic // Mecha	Ad oronaviru
27 1	.3102716 .3102735 .3102748	Observational	Not applicable	Unclear	Diagnostic/Prognostic	ic) // 089 ic) // 003 20
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38 1	3102874	Modelling	Not applicable		Transmission	Со
Rea	ady	port Non-US Gov't				0%





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Our methods Updated report **Key Concepts** Multilinguality

Epistemonikos API

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**T** Epistemonikos



#### References ids (1 per line, max: 100)

32183920 32174053 32056407 32079150 15302738 32156607 32182724 32190785 32183930 32191691 Not\_found

[]
Unrecognized

Get Documents

#### Total: 57 references 🔁 Export all

57 articles (57 References) Revert

#### Primary study

#### First case of Coronavirus Disease 2019 (COVID-19) pneumonia in Taiwan.

Authors » Cheng SC , Chang YC , Fan Chiang YL , Chien YC , Cheng M , Yang CH , Huang CH , Hsu YN

Journal » Journal of the Formosan Medical Association = Taiwan yi zhi

Year » 2020

Links » Pubmed, DOI, PubMed Central

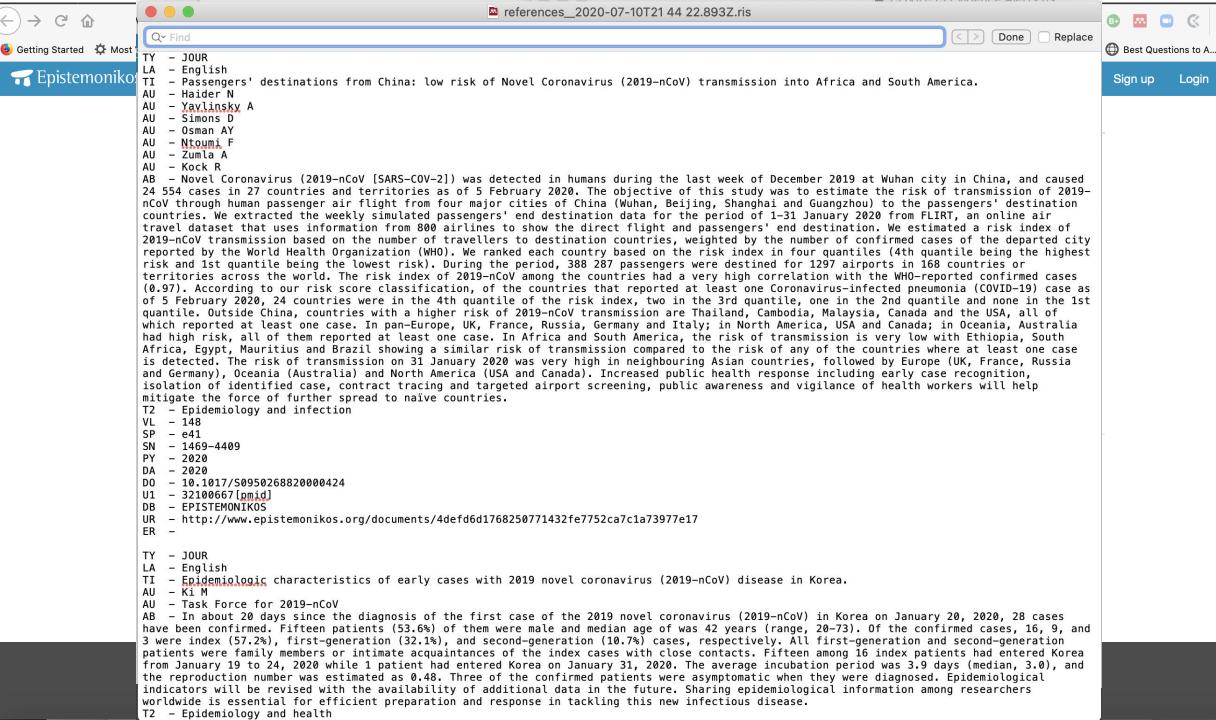
This article is included in 6 Systematic reviews

Abstract

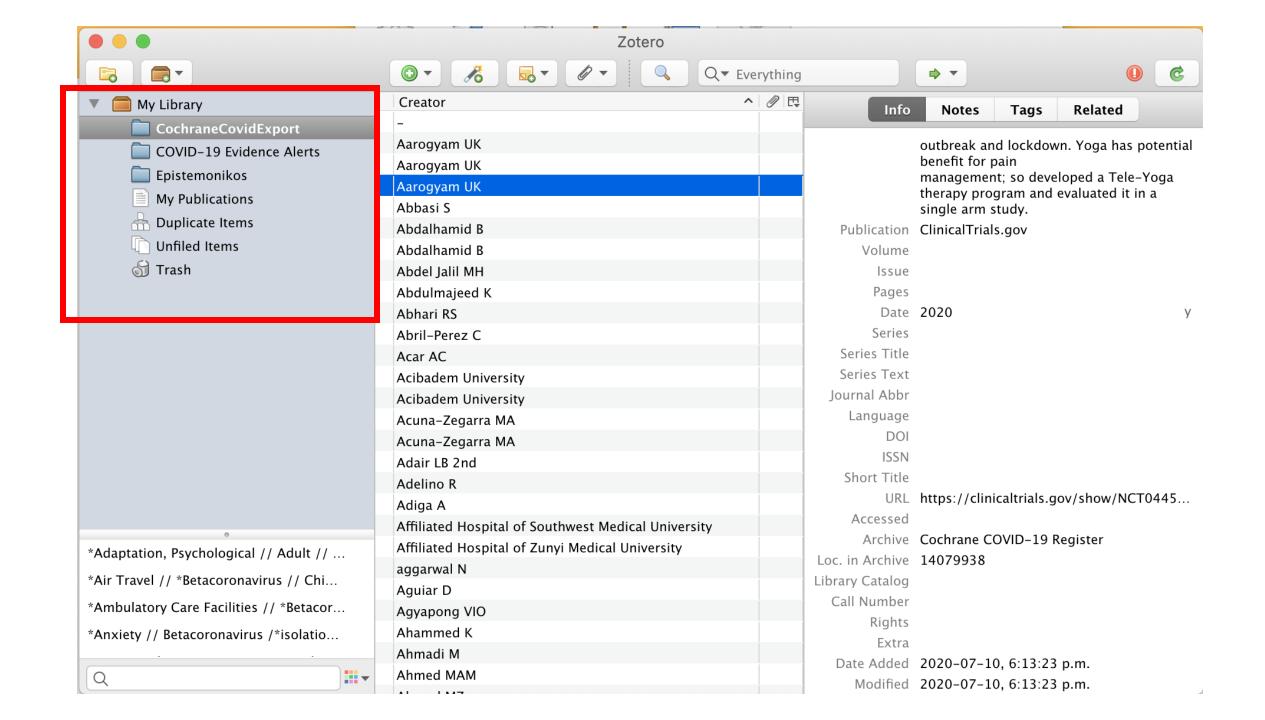
About this article

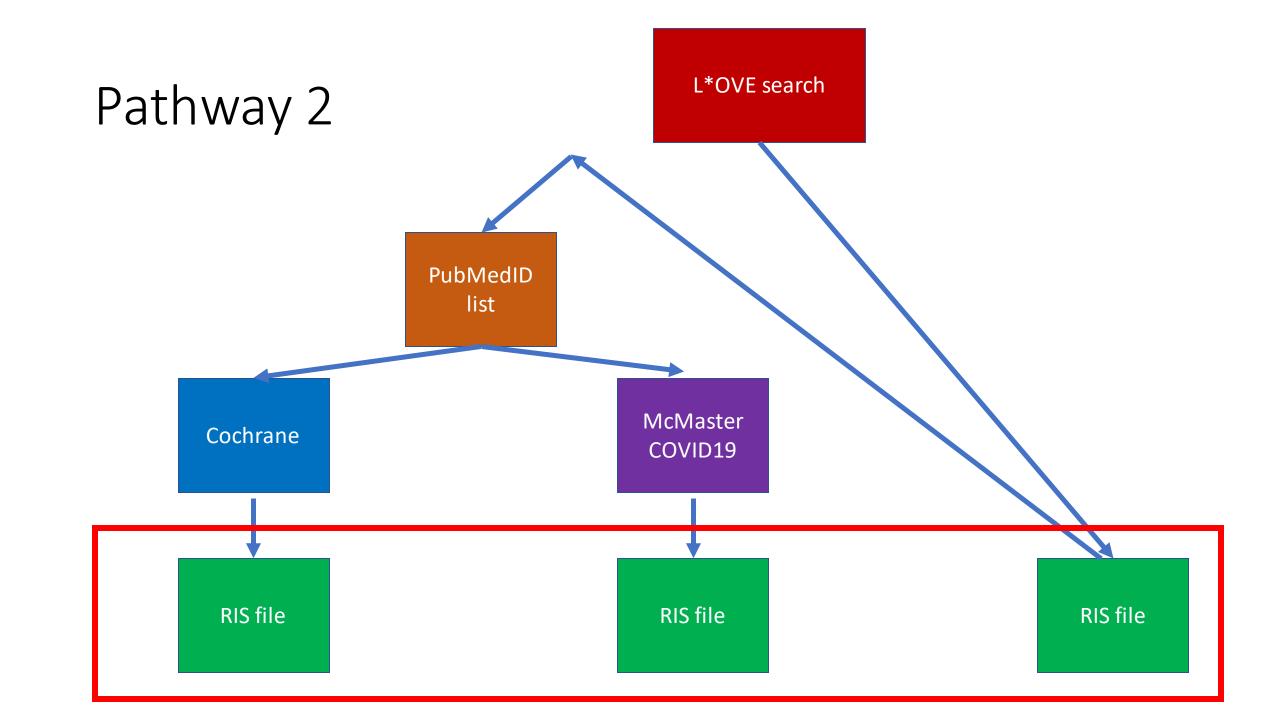
Related evidence

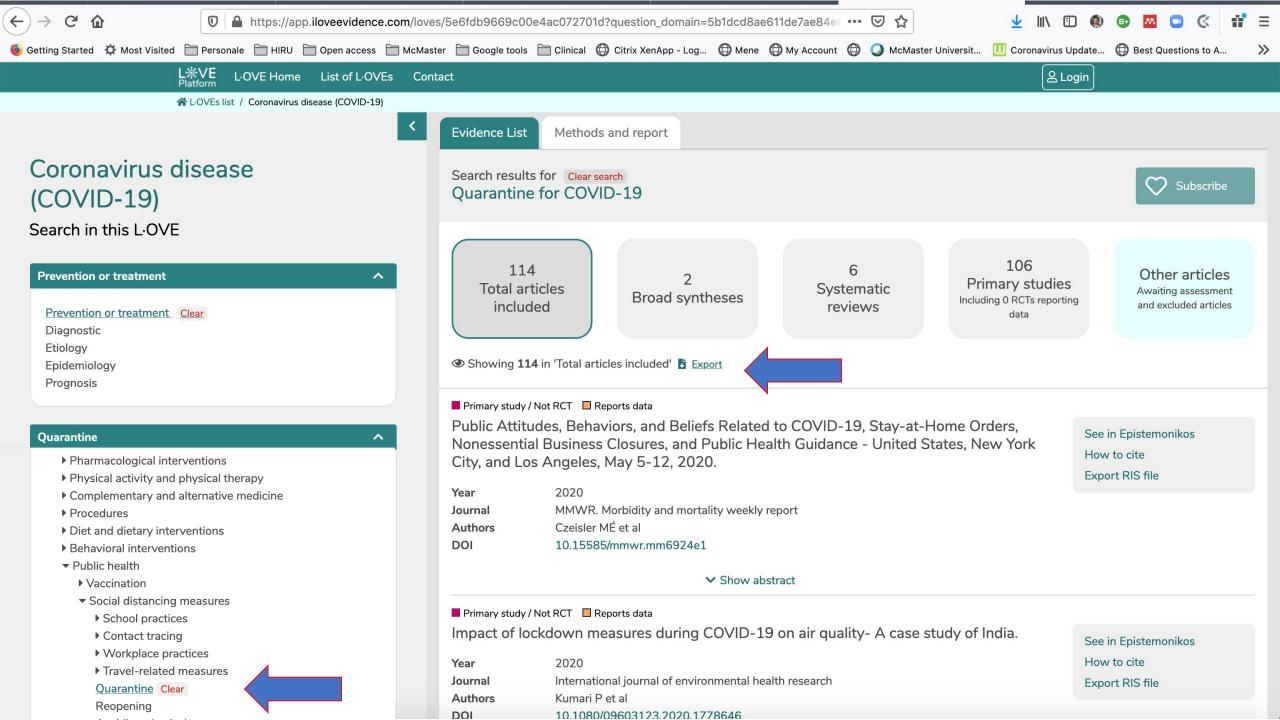
An outbreak of respiratory illness proved to be infected by a 2019 novel coronavirus, officially named Coronavirus Disease 2019 (COVID-19), was notified first in Wuhan, China, and has spread rapidly in China and to other parts of the world. Herein, we reported the first confirmed case of novel coronavirus pneumonia (NCP) imported from China in Taiwan. This case report revealed a natural course of NCP with self-recovery, which may be a good example in comparison with medical treatments.



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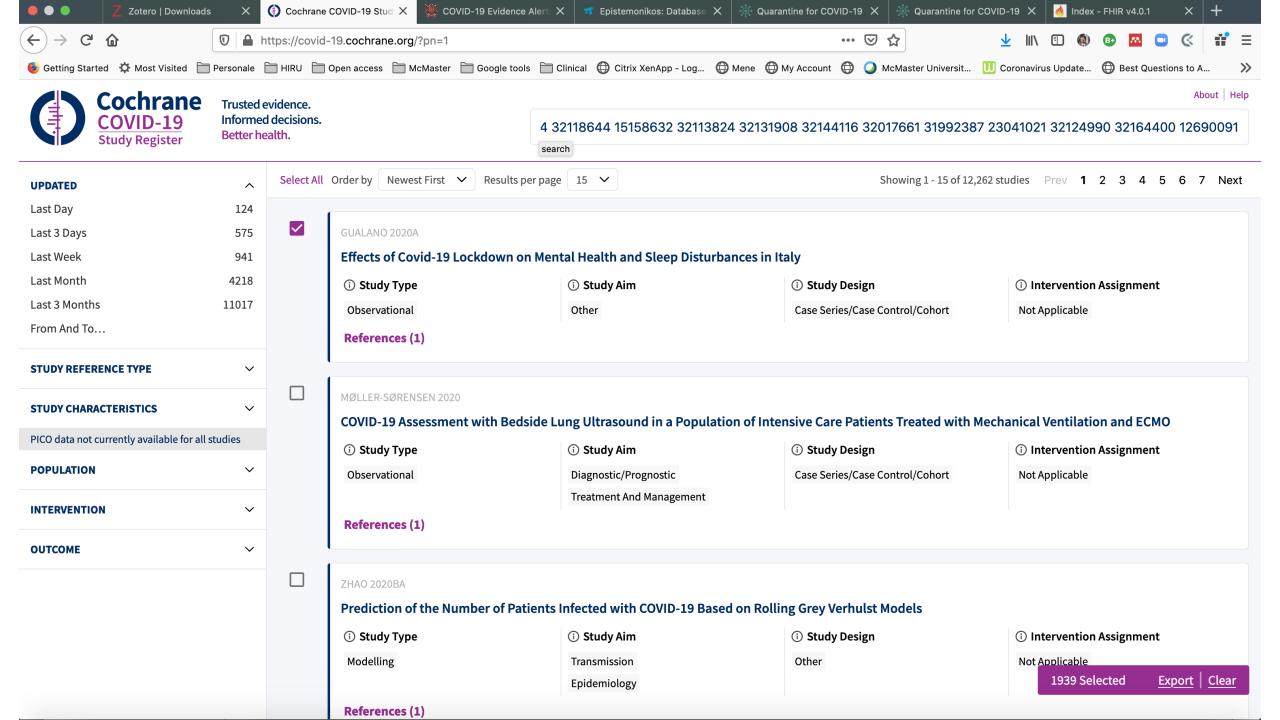


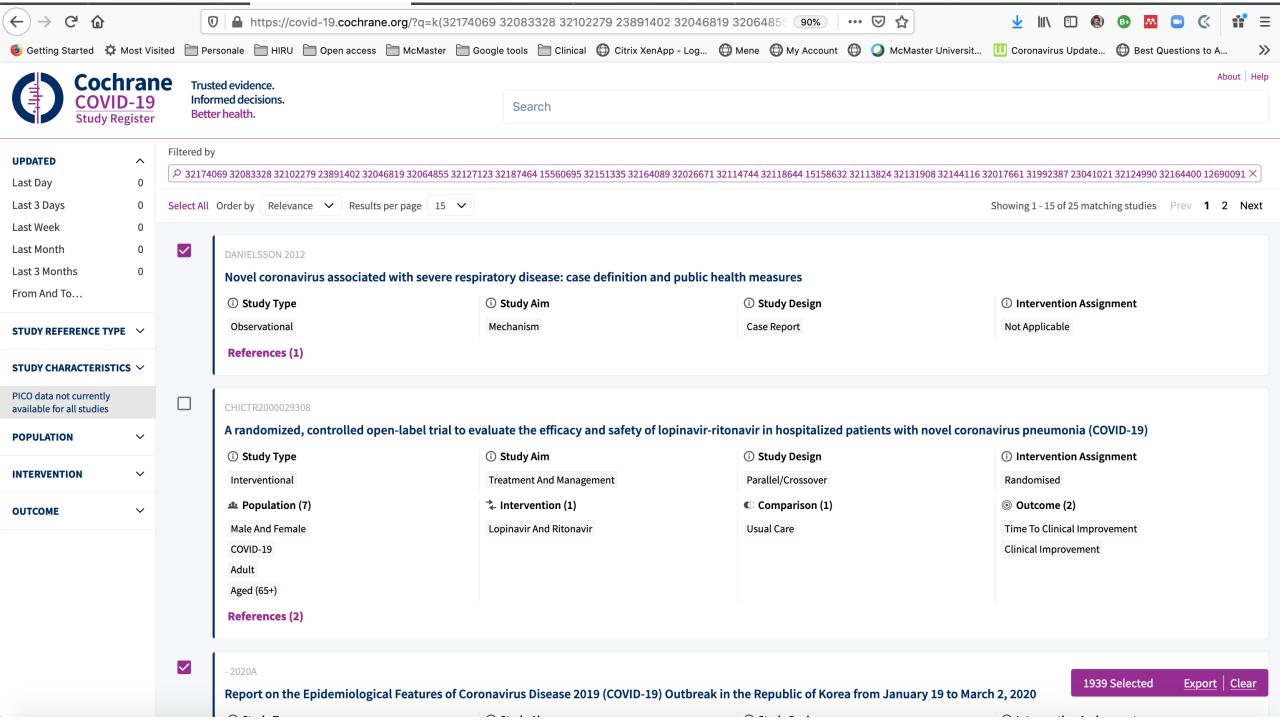




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- 32541210[pmid]
            ER -
            TY - JOUR
            TI - Accelerated launch of video visits in ambulatory neurology during COVID-19; Key lessons from the Stanford experience.
            PY - 2020
            AU - Yang L
            AU - Brown-Johnson CG
Coron: AU - Miller-Kuhlmann R
AU - Kling SMR
                                                                                                                                                                                           Subscribe
           AU - Saliba-Gustafsson EA
          AU - Shaw JG
            AU - Gold CA
Search in AU - Winget M
            AB - The COVID-19 pandemic has rapidly moved telemedicine from discretionary to necessary. Here we describe how the Stanford Neurology Department: 1) rapidly adapted
            to the COVID-19 pandemic, resulting in over 1000 video visits within four weeks and 2) accelerated an existing quality improvement plan of a tiered roll out of video
            visits for ambulatory neurology to a full-scale roll out. Key issues we encountered and addressed were related to: equipment/software, provider engagement, workflow/
 Prevention triage, and training. Upon reflection, the key drivers of our success were provider engagement and a supportive physician champion. The physician champion played a
                                                                                                                                                                                           articles
            critical role understanding stakeholder needs, including staff and physicians' needs, and creating workflows to coordinate both stakeholder groups. Prior to COVID-19,
                                                                                                                                                                                           assessment
            physician interest in telemedicine was mixed. However, in response to county and state stay-at-home orders related to COVID-19, physician engagement changed
  Prevention completely; all providers wanted to convert a majority of visits to video visits as quickly as possible. Rapid deployment of neurology video visits across all its
                                                                                                                                                                                           ded articles
            subspecialties is feasible. Our experience and lessons learned can facilitate broader utilization, acceptance, and normalization of video visits for neurology patients
  Diagnostic in the present as well as the much anticipated post-pandemic era.
            UR - http://www.epistemonikos.org/documents/08715a1bacffee8d4b3eae2d012fba42380de39e
            T2 - Neurology
  Epidemiol SN - 1526-632X
  Prognosis D0 - 10.1212/WNL.0000000000010015
            U1 - 32611634[pmid]
            ER -
 Ouarantine TY - JOUR
            TI - Associations of stay-at-home order and face-masking recommendation with trends in daily new cases and deaths of laboratory-confirmed COVID-19 in the United
            States
            PY - 2020
            AU - Jie Xu
            AU - Sabiha Hussain
     ▶ Pharn AU - Guanzhu Lu
     ▶ Phvsi AU - Shi Wei
            AU - Wei Bao
     ► Comp AU - Lanjing Zhang
     Proce AB - OBJÉCTÍVE: To examine the associations of stay-at-home order and face-masking recommendation with trends in daily new cases and deaths of laboratory-confirmed
            coronavirus disease 2019 (COVID-19) in the United States DESIGN: Piecewise log-linear modelling of temporal trends with turning-points, followed by guasi-experimental
     Diet a study on trend turning-point. Simulation studies were carried out to understand the outcomes under the scenarios if early-implementation and removal of stay-at-home
     ▶ Beha\ order occurred. SETTING: Population data in the United States PARTICIPANTS: Residents in the U.S., who were affected by the stay-at-home and face-masking policies MAIN
            OUTCOME MEASURES: Turning-points of the daily new cases and deaths of COVID-19, and COVID-19 time-varying reproduction numbers (Rt) in the U.S. RESULTS: The number and
     Publi the proportion of U.S. residents under SAHO increased between March 19 and April 7, and plateaued at 29,0829,980 and 88.6%, respectively. The trend in COVID-19 daily
        ▶ Va cases reduced after March 23 (P<0.001) and further reduced on April 3 (P<0.001), which was associated with implementation of SAHO by 10 states on March 23, and the
        Sc Centers for Disease Control and Preventions recommendation of face-masking, respectively. Similar turning points were identified in the trends of daily deaths with a lag time. The estimates of Rt based on the 3 reported mean serial-intervals of COVID-19 all started to decline on March 19, when SAHO was first implemented in the U.S.
          ▶ and declined faster after March 23. After a short plateau, Rt continued to decline after April 3 and fell below/around 1.0 on April 13. CONCLUSIONS: There were 2
          turning points of COVID-19 daily new cases or deaths in the U.S., which appeared to associate with implementation of SAHO and the CDC face-masking recommendation.
            Simulation on early-implementation and removal of SAHO reveals considerable impact on COVID-19 daily new cases and deaths. These findings may inform decision-making of
          ▶ lifting SAHO and face.
           UR - http://www.epistemonikos.org/documents/09a544128bf0f39bbaf3a35c0dc4c98f48c83fd2
            T2 - medRxiv
            DO - 10.1101/2020.05.01.20088237
           UI1 - 32637067[nmid]
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References.ris





# What does this address and what it does not address

- It is a proof of concept for and approach to:
  - Obtaining meta-data for records from existing repositories
- It does not address:
  - Comprehensive searching (retrieving all references from all databases)
  - Federated searching (searching multiple databases at the same time)
  - De-duplication, or finding references unique to each repository
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### Another use case

 Identifying the most current and comprehensive living review on social distancing

- If repositories of living review on social distancing were allowing extraction of meta-data (eg # of trials included, search end date) ina RIS-like format (e.g. COKA FHIR)
- If one had a tool to combine/compare the RIS
- The task would be solved

### Why Improve my RIS is important?

 Because the problem in achieving most of our goals is not technical (how to handle the data), but political (willingness to share data).

 Choosing a simple solution offers a cheap way of proofing the concept that data can be AND ARE shared

Improve my RIS would provide pilot data for fundraising

real add the Episternomicos, E o v E part.

Is it OK if I upload to google docs and edit there?
I would paste screenshots following the following script

- 1 Paste in Epipstemonikos 'improve my RIS' a list of PMID from your example (this is the preliminary URL [limited to 100 IDs by now]: <a href="https://www.epistemonikos.org/documents/check\_documents">https://www.epistemonikos.org/documents/check\_documents</a>)
- 2 Return the % of articles from that list that are in our database
- 3- Export a RIS with the following metadata in M3 field (the same you are using): Primary study/RCT or non-RCT / reports data or does not report data.

Then,

Starting from the question of the example review in

L·OVE: <a href="https://app.iloveevidence.com/loves/5e6fdb9669c00e4ac072701d?question\_domain=5b1dcd8ae611de7">https://app.iloveevidence.com/loves/5e6fdb9669c00e4ac072701d?question\_domain=5b1dcd8ae611de7</a>
<a href="mailto:ae84e8f14&population=5e7fce7e3d05156b5f5e032a&intervention=5e93a6fc3552583c288cc9c7">https://app.iloveevidence.com/loves/5e6fdb9669c00e4ac072701d?question\_domain=5b1dcd8ae611de7</a>
<a href="mailto:ae84e8f14&population=5e7fce7e3d05156b5f5e032a&intervention=5e93a6fc3552583c288cc9c7">https://app.iloveevidence.com/loves/5e6fdb9669c00e4ac072701d?question\_domain=5b1dcd8ae611de7</a>

- 1- Export a RIS
- 2- (I would not explain again how to go get from RIS to list of PMIDs)
- 3- Paste list of IDs in Cochrane Register
- -- End of demo --

Any suggestion is more than welcome Gabriel