

Chart Collection for Morning Briefing

Yardeni Research, Inc.

December 20, 2021

Dr. Edward Yardeni

516-972-7683
eyardeni@yardeni.com

Mali Quintana

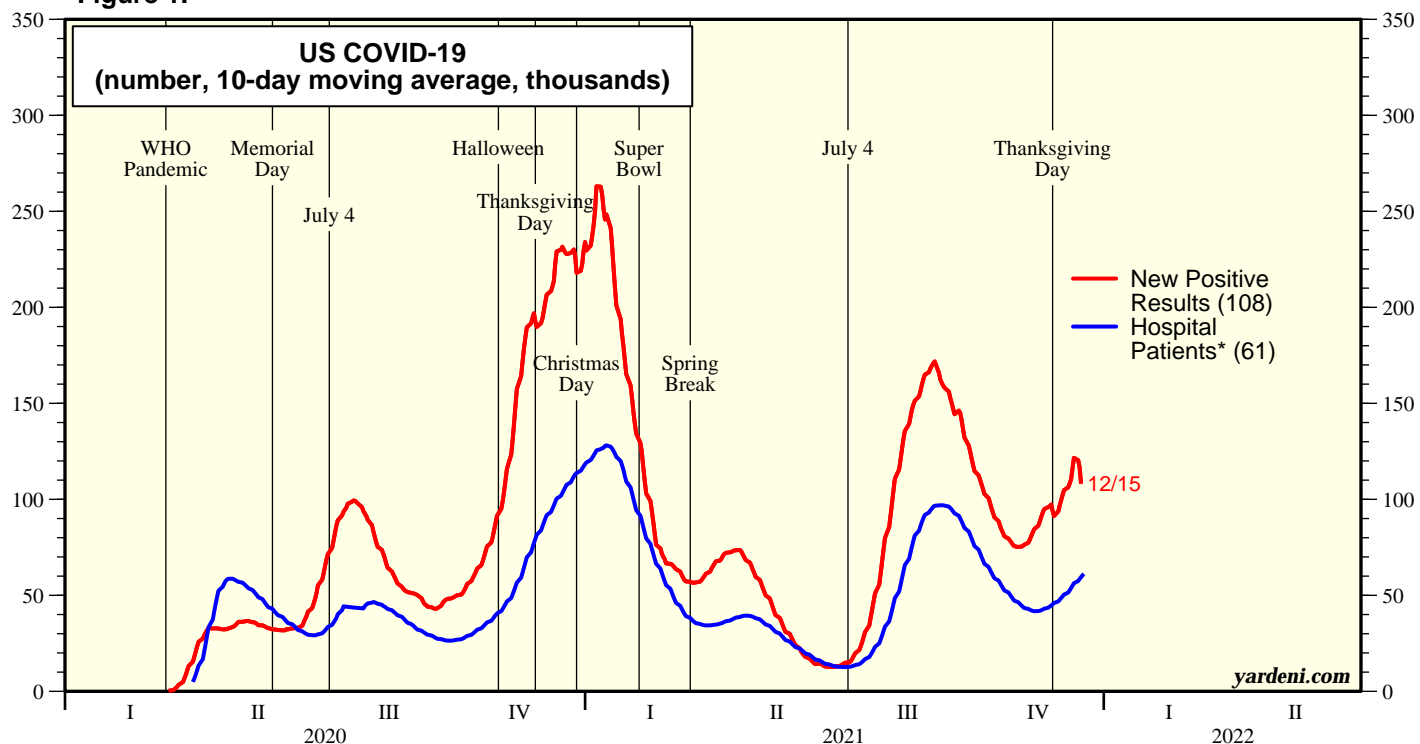
480-664-1333
aquintana@yardeni.com

Please visit our sites at
www.yardeni.com
blog.yardeni.com



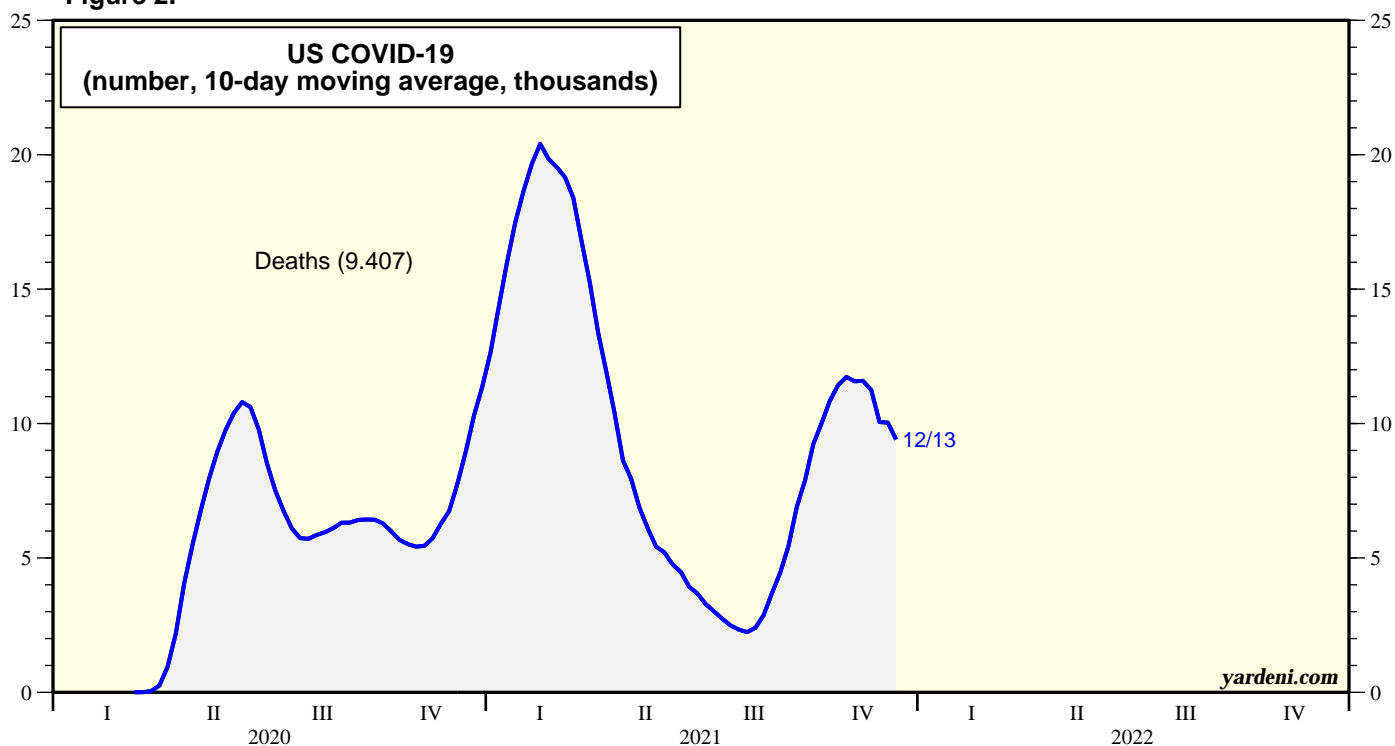
thinking outside the box

Figure 1.



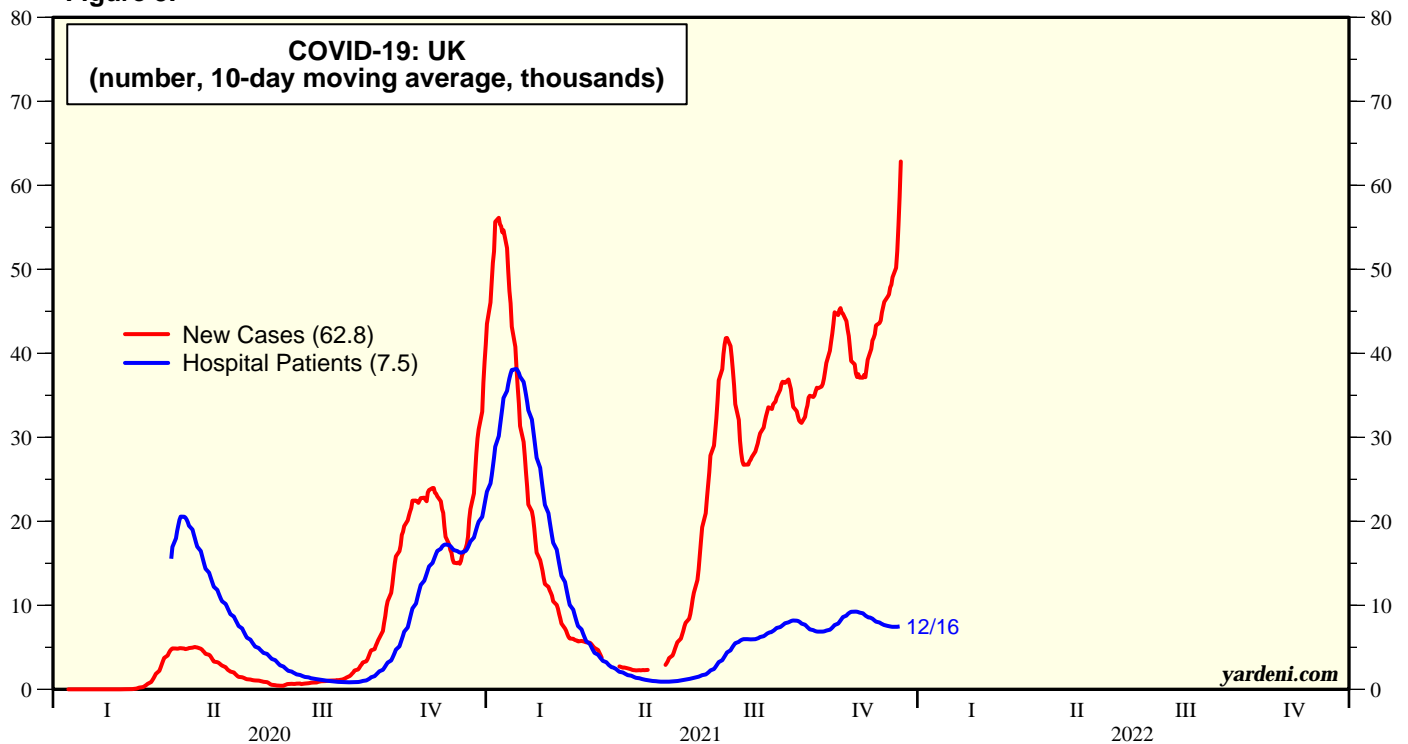
* Note: Data for hospital patients from July 2020 to the present is from Oxford University, prior to that data is from COVID Tracking Project.
 Source: Department of Health & Human Services, Centers for Disease Control & Prevention, COVID Tracking Project and Oxford University.

Figure 2.



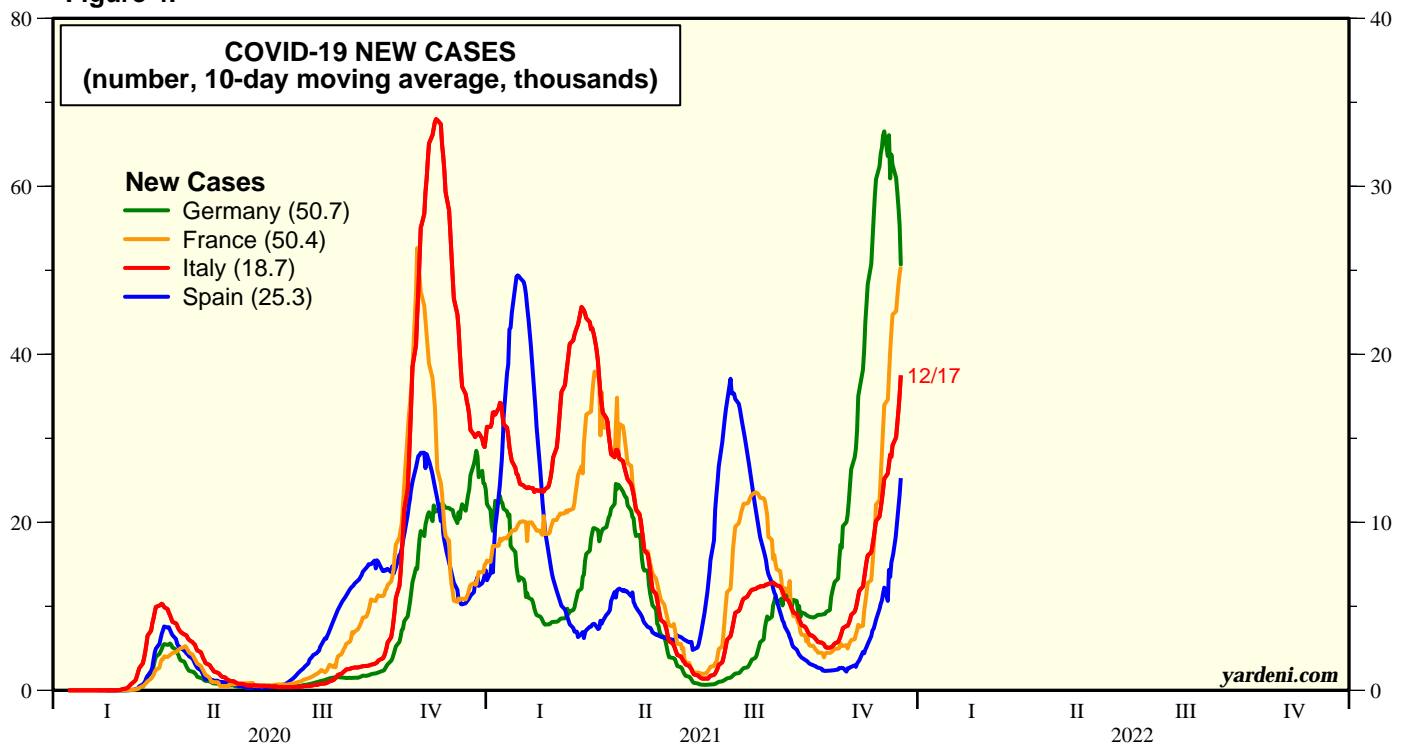
Source: European Centre for Disease Prevention and Control.

Figure 3.



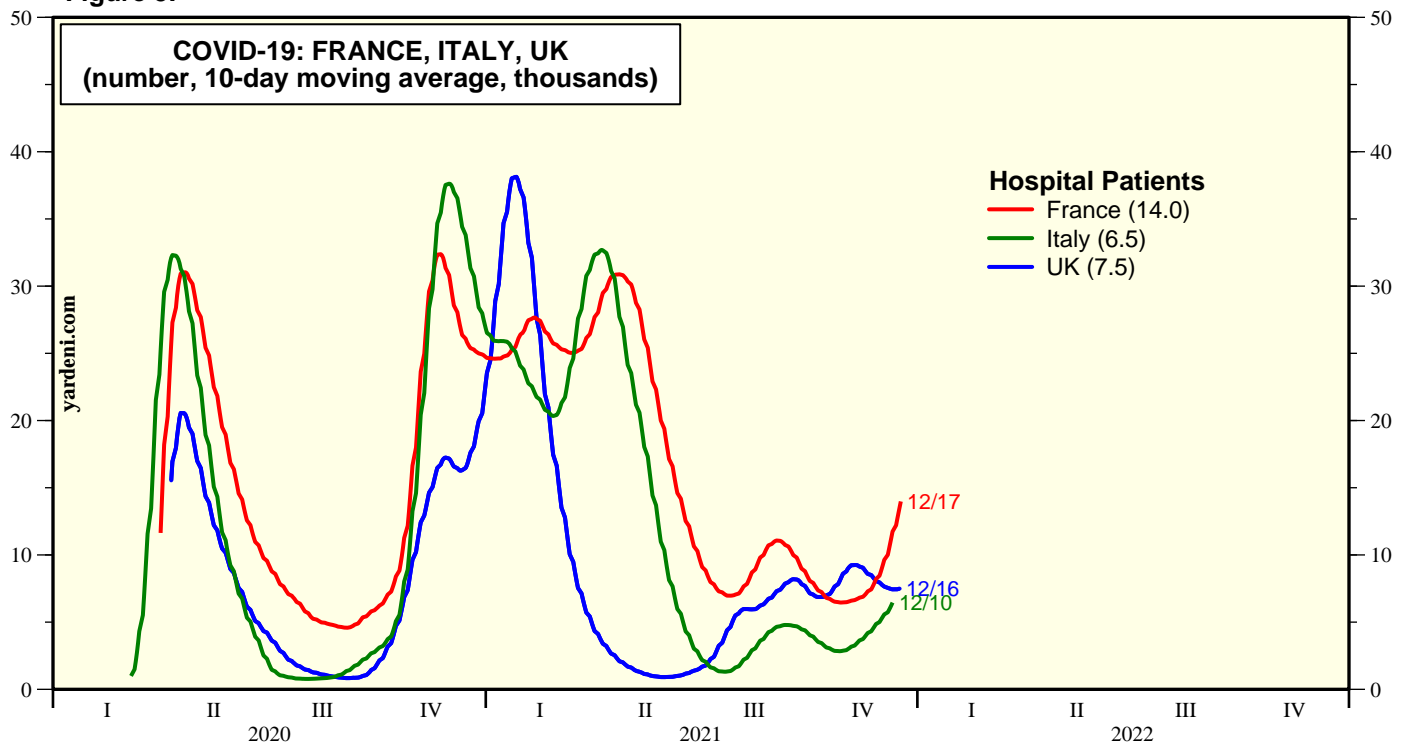
Source: Oxford University.

Figure 4.



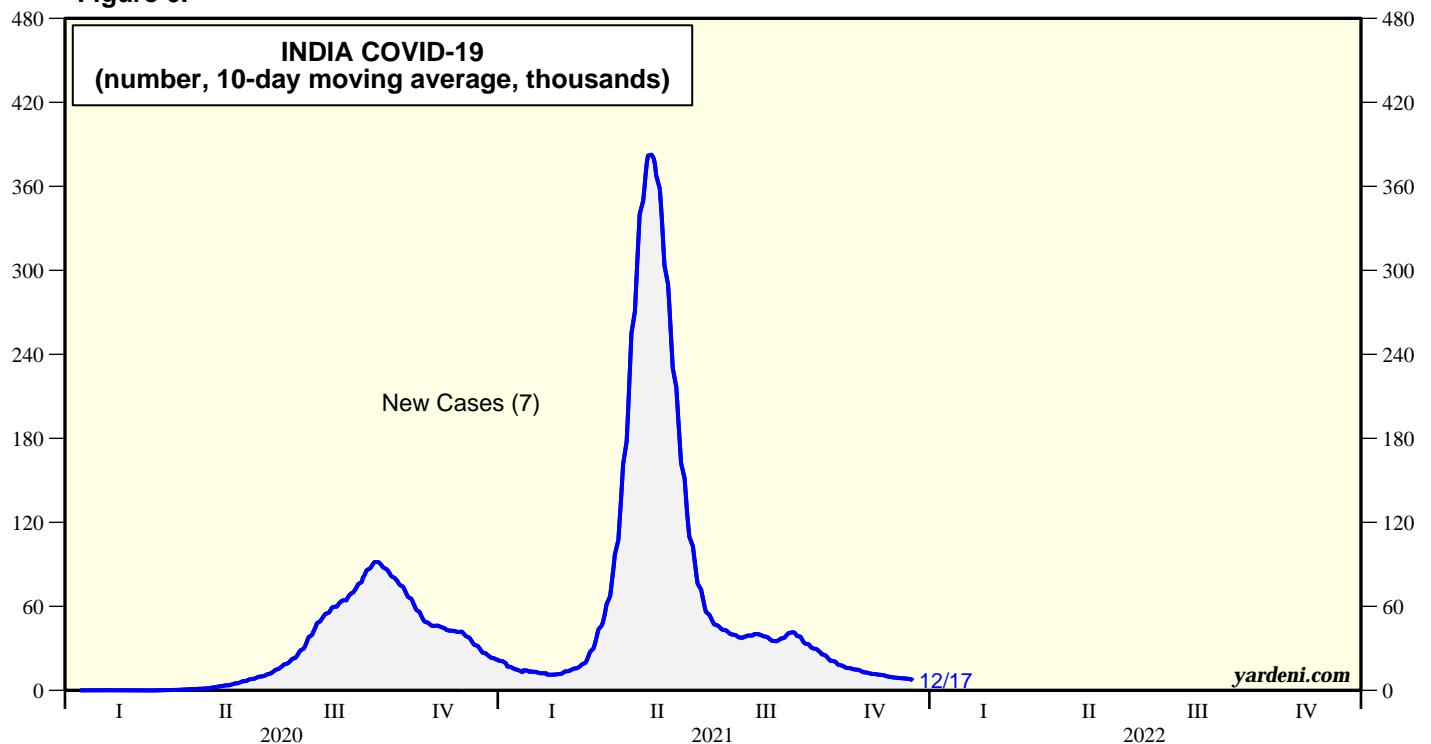
Source: Oxford University.

Figure 5.



Source: Oxford University.

Figure 6.



Source: Oxford University.

Figure 7.

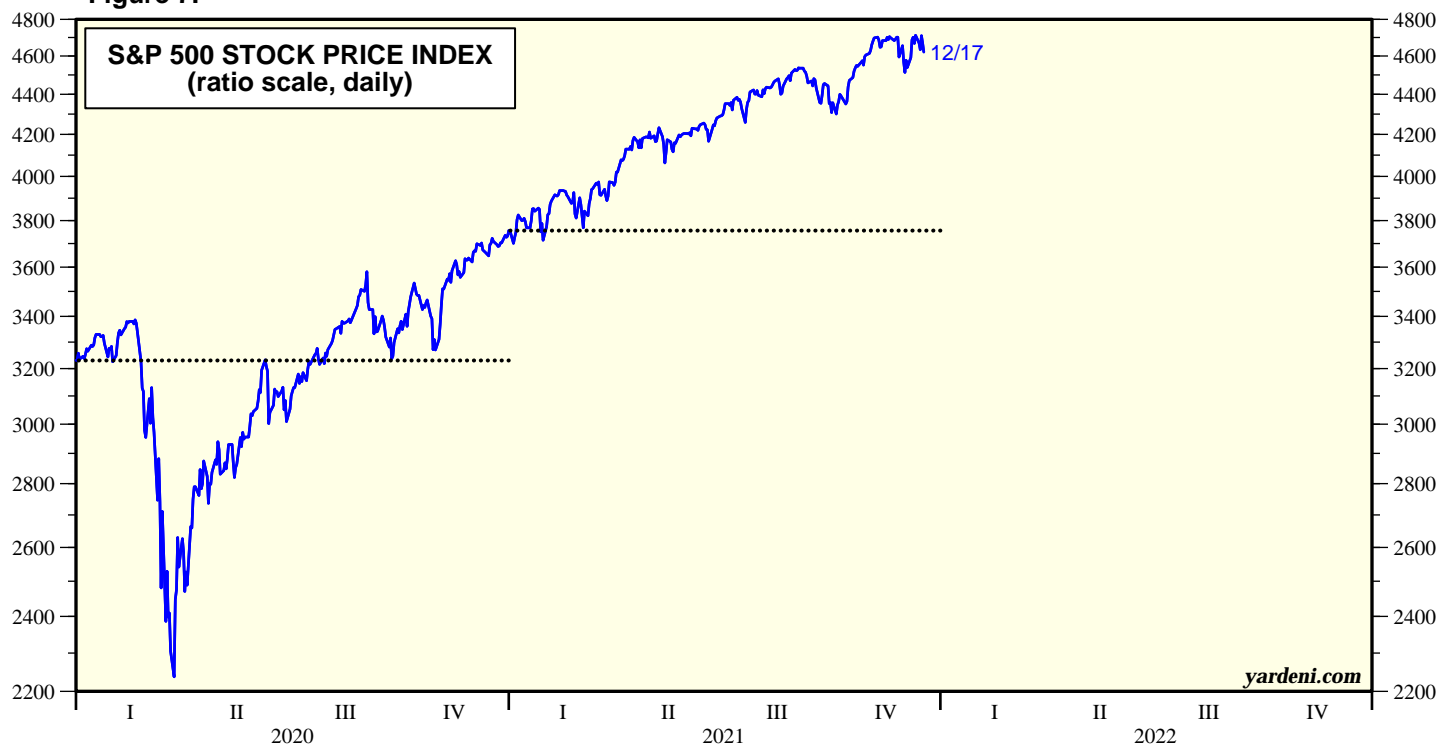
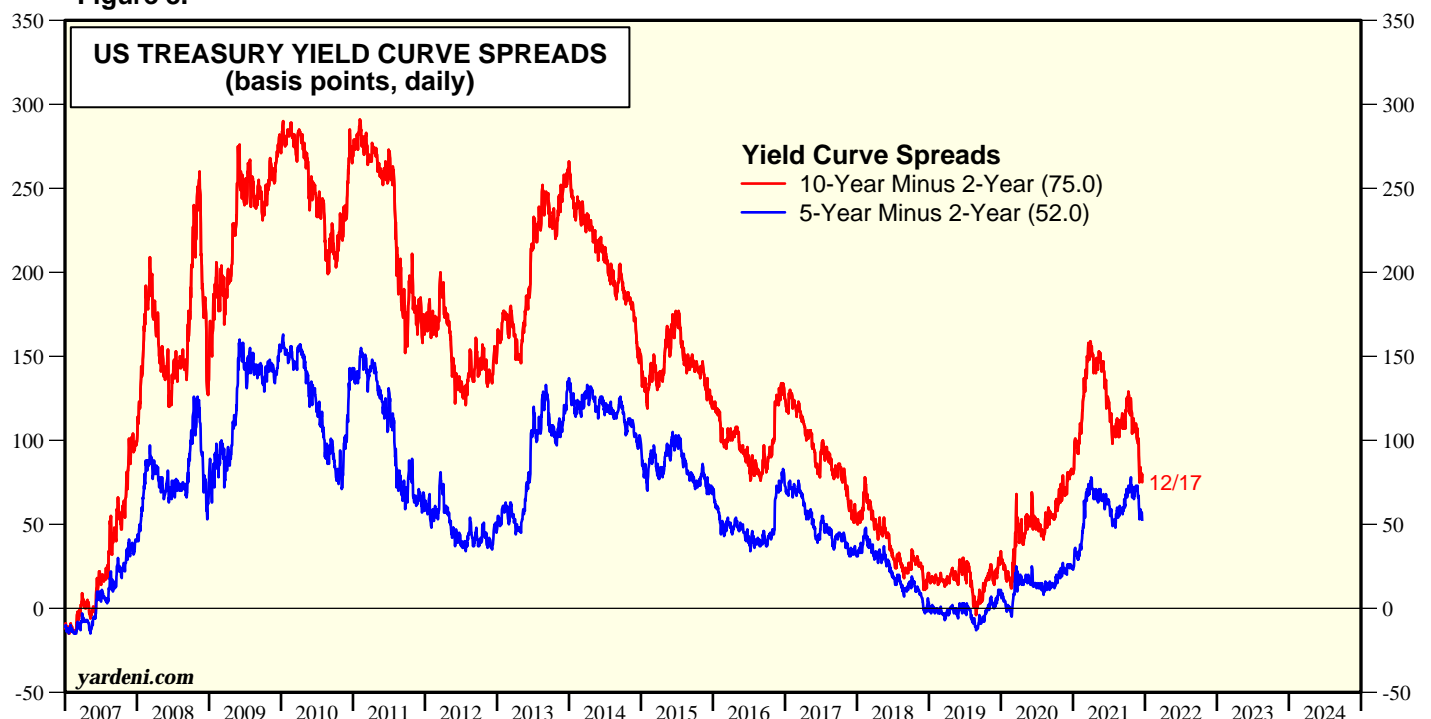
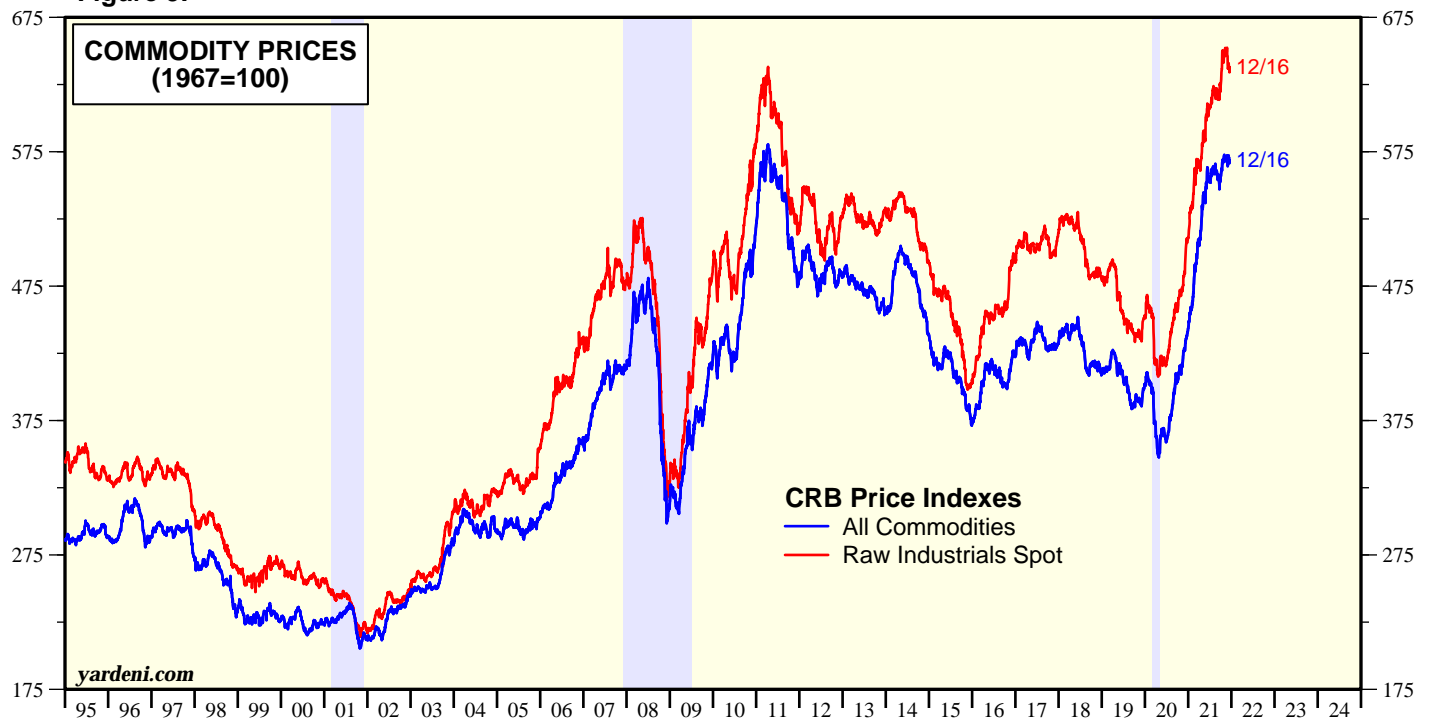


Figure 8.



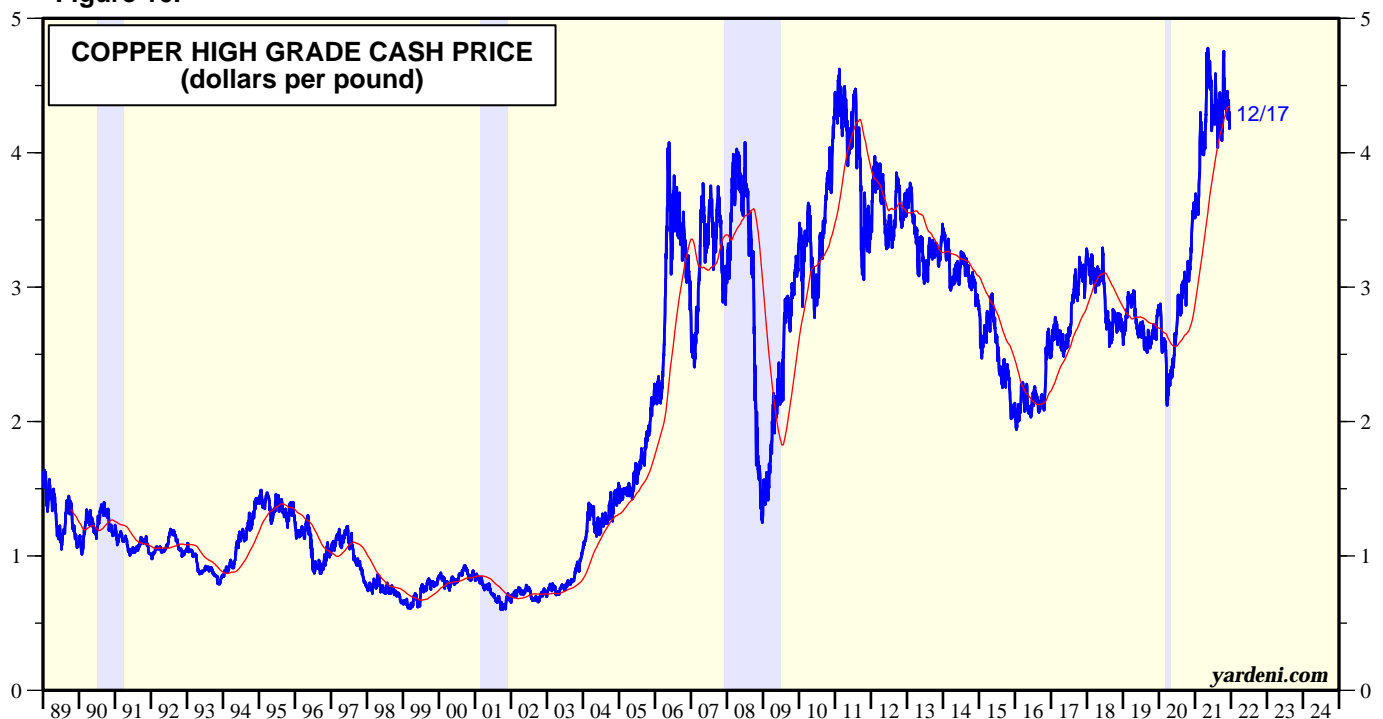
Source: Federal Reserve Board.

Figure 9.



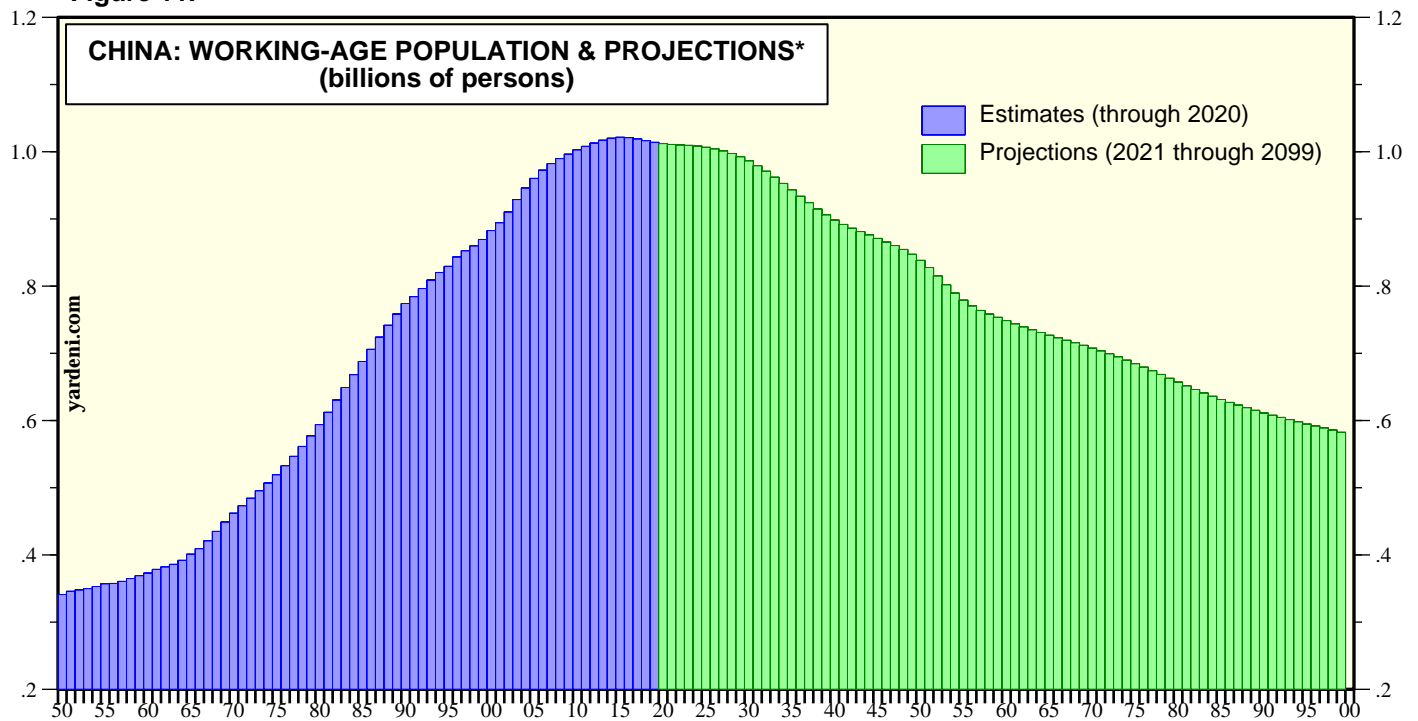
Note: Shaded areas are recessions according to the National Bureau of Economic Research.
Source: Haver Analytics.

Figure 10.



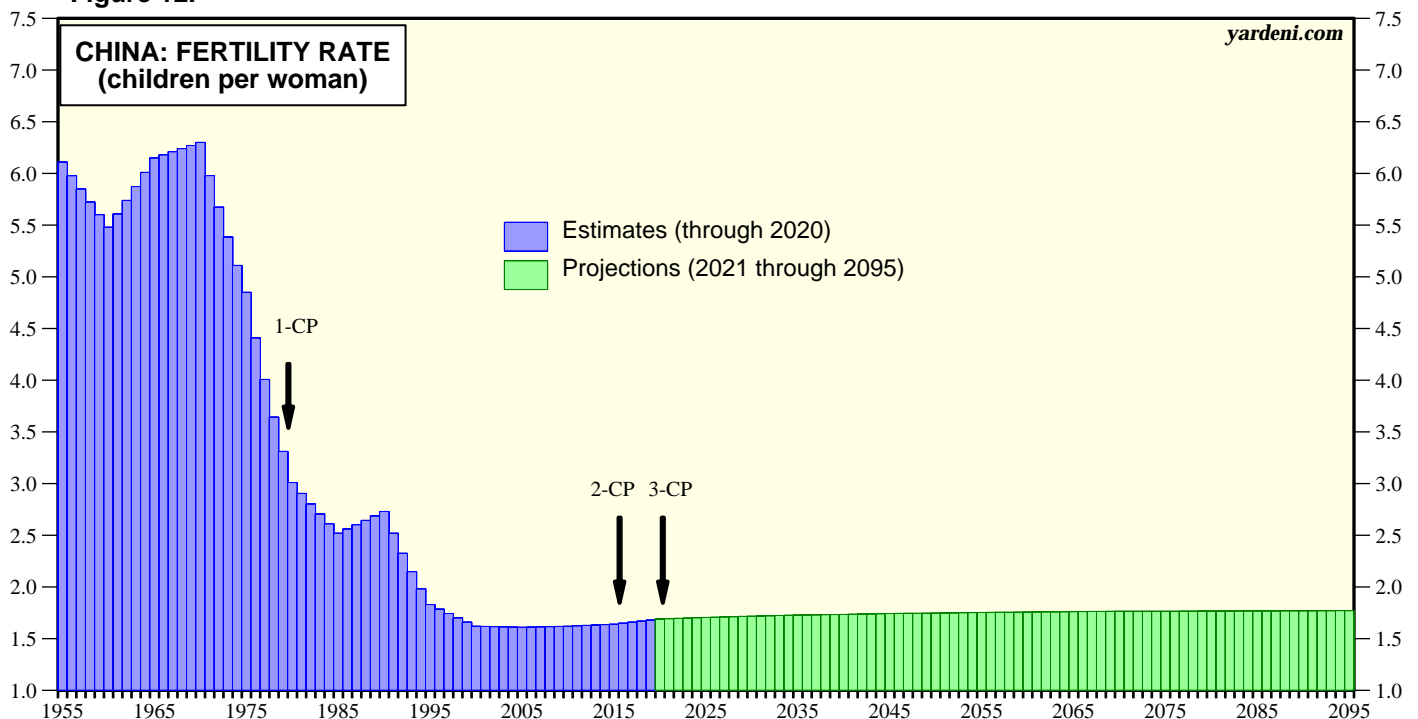
Note: Shaded areas are recessions according to the National Bureau of Economic Research.
Source: Haver Analytics.

Figure 11.



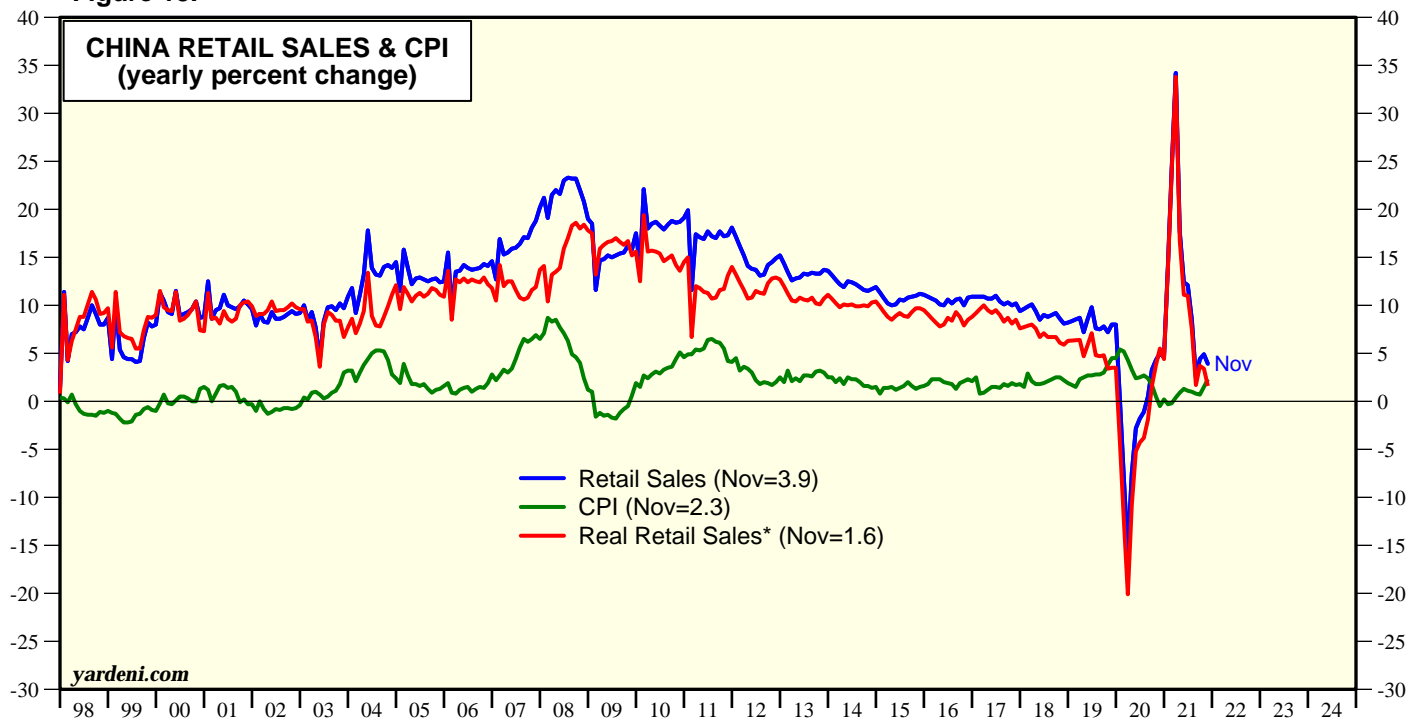
* Persons 15-64 years old.
Source: United Nations.

Figure 12.



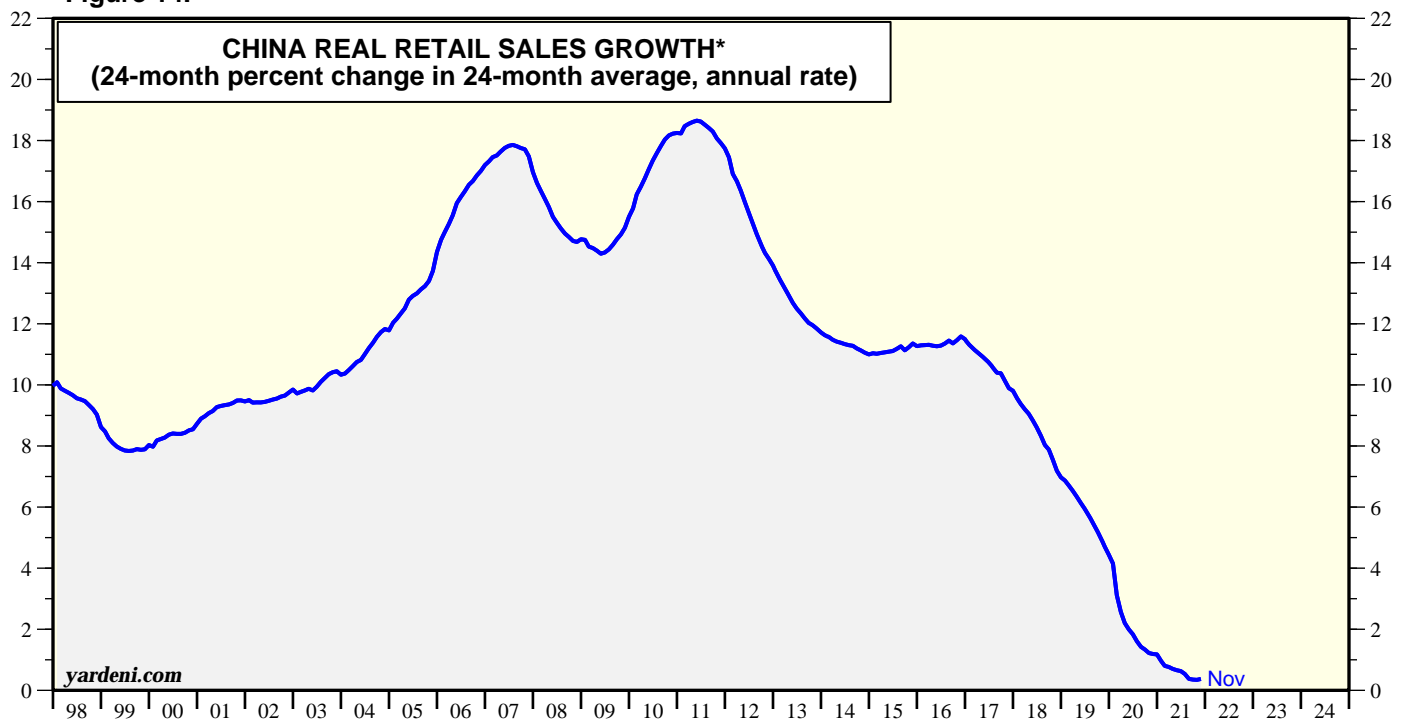
Note: 1-CP = China officially adopts one-child policy in 1979. 2-CP = China officially adopts two-child policy in 2016. 3-CP = China officially adopts three-child policy.
Source: United Nations.

Figure 13.



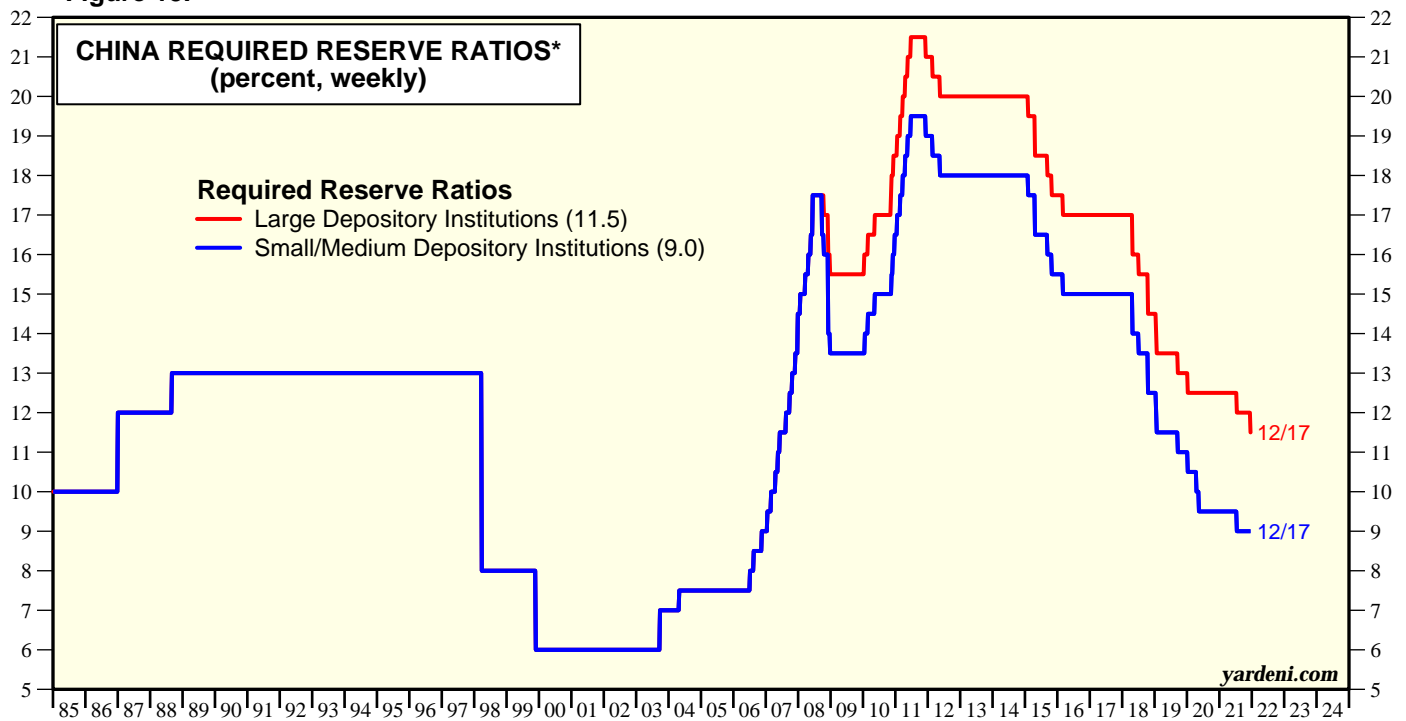
* Yearly percent change in retail sales minus yearly percent change in CPI.
Source: China National Bureau of Statistics.

Figure 14.



* Using nominal retail sales divided by CPI.
Source: China National Bureau of Statistics.

Figure 15.



* The PBOC announced a change in the Required Reserve Ratios in two steps and specified that it would drop 0.5% effective January 15, 2019 and to drop another 0.5% effective January 25, 2019. The rates were updated accordingly into the future.
Source: People's Bank of China.

Copyright (c) Yardeni Research, Inc. 2021. All rights reserved. The information contained herein has been obtained from sources believed to be reliable, but is not necessarily complete and its accuracy cannot be guaranteed. No representation or warranty, express or implied, is made as to the fairness, accuracy, completeness, or correctness of the information and opinions contained herein. The views and the other information provided are subject to change without notice. All reports and podcasts posted on www.yardeni.com, blog.yardeni.com, and YRI's Apps are issued without regard to the specific investment objectives, financial situation, or particular needs of any specific recipient and are not to be construed as a solicitation or an offer to buy or sell any securities or related financial instruments. Past performance is not necessarily a guide to future results. Company fundamentals and earnings may be mentioned occasionally, but should not be construed as a recommendation to buy, sell, or hold the company's stock. Predictions, forecasts, and estimates for any and all markets should not be construed as recommendations to buy, sell, or hold any security--including mutual funds, futures contracts, and exchange traded funds, or any similar instruments.

The text, images, and other materials contained or displayed on any Yardeni Research, Inc. product, service, report, email or website are proprietary to Yardeni Research, Inc. and constitute valuable intellectual property. No material from any part of www.yardeni.com, blog.yardeni.com, and YRI's Apps may be downloaded, transmitted, broadcast, transferred, assigned, reproduced or in any other way used or otherwise disseminated in any form to any person or entity, without the explicit written consent of Yardeni Research, Inc. All unauthorized reproduction or other use of material from Yardeni Research, Inc. shall be deemed willful infringement(s) of this copyright and other proprietary and intellectual property rights, including but not limited to, rights of privacy. Yardeni Research, Inc. expressly reserves all rights in connection with its intellectual property, including without limitation the right to block the transfer of its products and services and/or to track usage thereof, through electronic tracking technology, and all other lawful means, now known or hereafter devised. Yardeni Research, Inc. reserves the right, without further notice, to pursue to the fullest extent allowed by the law any and all criminal and civil remedies for the violation of its rights.

The recipient should check any email and any attachments for the presence of viruses. Yardeni Research, Inc. accepts no liability for any damage caused by any virus transmitted by this company's emails, website, blog and Apps. Additional information available on [request](#).