

Emerging Evidence Search Request

Please note: Our “Emerging Evidence” feature is based on the existing literature at the time the question is asked to provide the most informed answers possible to questions about COVID-19, and the science continues to evolve. As with any research, studies need to be replicated and there needs to be a strong body of evidence before any absolute conclusions can be made.

Questions about UHN policy or practice are best directed to the appropriate department (e.g. IPAC, Occupational Health).

Question:

How is race and/or racism impacting COVID-19 exposure/testing/treatment/outcomes?

How is COVID-19 impacting racialized/marginalized people in terms of testing/treatment/outcome?

Social determinants of health/postal code, and disparities in access to care related to COVID-19;

Are there any studies/info on increased exposure of/vulnerability of essential workers from diverse backgrounds?

[Additional Results from an Updated Search October 5, 2020](#)

Bibliography:

1.

Risk Factors for In-hospital Mortality from COVID-19 Infection among Black Patients - An Urban Center Experience.

Bhargava A; Sharma M; Riederer K; Fukushima EA; Szpunar SM; Saravolatz L.

Clinical Infectious Diseases. 2020 Sep 28.

[Journal Article]

UI: 32986102

Authors Full Name

Library staff make every effort to provide accurate and complete database search results. However, we assume no liability for information retrieved, its interpretation, applications or omissions.

Bhargava, Ashish; Sharma, Mamta; Riederer, Kathleen; Fukushima, Elisa Akagi; Szpunar, Susanna M; Saravolatz, Louis.

Link to the Ovid Full Text or citation:

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2.

Disparities in SARS-CoV-2 Positivity Rates: Associations with Race and Ethnicity.

Kaufman HW; Niles JK; Nash DB.

Population Health Management. 2020 Sep 23.

[Journal Article]

UI: 32985959

Authors Full Name

Kaufman, Harvey W; Niles, Justin K; Nash, David B.

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3.

The Perfect Storm: COVID-19 Health Disparities in US Blacks. [Review]

Phillips N; Park IW; Robinson JR; Jones HP.

Journal of Racial & Ethnic Health Disparities. 2020 Sep 23.

[Journal Article. Review]

UI: 32965660

Authors Full Name

Phillips, Nicole; Park, In-Woo; Robinson, Janie R; Jones, Harlan P.

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4.

Intersectionality and inequalities in medical risk for severe COVID-19 in the Canadian Longitudinal Study on Aging.

Lin SL.

Gerontologist. 2020 Sep 24.

[Journal Article]

UI: 32969470

Authors Full Name

Lin, Shen Lamson.

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5.

Exposure of hospital healthcare workers to the novel coronavirus (SARS-CoV-2).

Razvi S; Oliver R; Moore J; Beeby A.

Clinical Medicine. 2020 Sep 22.

[Journal Article]

UI: 32962975

Authors Full Name

Razvi, Salman; Oliver, Rahima; Moore, Jonathan; Beeby, Andrew.

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Revealing the Unequal Burden of COVID-19 by Income, Race/Ethnicity, and Household Crowding: US County Versus Zip Code Analyses.

Chen JT; Krieger N.

Journal of Public Health Management & Practice. 2020 Sep 09.

[Journal Article]

UI: 32956299

Authors Full Name

Chen, Jarvis T; Krieger, Nancy.

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7.

The Disproportionate Impact of COVID-19 on Older Latino Mortality: The Rapidly Diminishing Latino Paradox.

Saenz R; Garcia MA.

Journals of Gerontology Series B-Psychological Sciences & Social Sciences. 2020 Sep 08.

[Journal Article]

UI: 32898235

Authors Full Name

Saenz, Rogelio; Garcia, Marc A.

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8.

How Do Presenting Symptoms and Outcomes Differ by Race/Ethnicity Among Hospitalized Patients with COVID-19 Infection? Experience in Massachusetts.

McCarty TR; Hathorn KE; Redd WD; Rodriguez NJ; Zhou JC; Bazarbashi AN; Njie C; Wong D; Trinh QD; Shen L; Stone VE; Chan WW.

Clinical Infectious Diseases. 2020 Aug 22.

[Journal Article]

UI: 32827436

Authors Full Name

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McCarty, Thomas R; Hathorn, Kelly E; Redd, Walker D; Rodriguez, Nicolette J; Zhou, Joyce C; Bazarbashi, Ahmad Najdat; Njie, Cheikh; Wong, Danny; Trinh, Quoc-Dien; Shen, Lin; Stone, Valerie E; Chan, Walter W.

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9.

SARS-CoV-2 Community Transmission disproportionately affects Latinx population during Shelter-in-Place in San Francisco.

Chamie G; Marquez C; Crawford E; Peng J; Petersen M; Schwab D; Schwab J; Martinez J; Es DJ; Black D; Gandhi M; Kerkhoff AD; Jain V; Sergi F; Jacobo J; Rojas S; Tulier-Laiwa V; Gallardo-Brown T; Appa A; Chiu C; Rodgers M; Hackett J; Kistler A; Hao S; Kamm J; Dynerman D; Batson J; Greenhouse B; DeRisi J; Havlir DV; CLIAhub Consortium.

Clinical Infectious Diseases. 2020 Aug 21.

[Journal Article]

UI: 32821935

Authors Full Name

Chamie, Gabriel; Marquez, Carina; Crawford, Emily; Peng, James; Petersen, Maya; Schwab, Daniel; Schwab, Joshua; Martinez, Jackie; Es, Diane Jon; Black, Douglas; Gandhi, Monica; Kerkhoff, Andrew D; Jain, Vivek; Sergi, Francesco; Jacobo, Jon; Rojas, Susana; Tulier-Laiwa, Valerie; Gallardo-Brown, Tracy; Appa, Ayesha; Chiu, Charles; Rodgers, Mary; Hackett, John; Kistler, Amy; Hao, Samantha; Kamm, Jack; Dynerman, David; Batson, Joshua; Greenhouse, Bryan; DeRisi, Joe; Havlir, Diane V; CLIAhub Consortium.

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Racial and ethnic disparities in COVID-19 infections and deaths across U.S. nursing homes.

Li Y; Cen X; Cai X; Temkin-Greener H.

Journal of the American Geriatrics Society. 2020 Sep 21.

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UI: 32955105

Authors Full Name

Li, Yue; Cen, Xi; Cai, Xueya; Temkin-Greener, Helena.

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Racial Disparities in COVID-19 Hospitalization and In-hospital Mortality at the Height of the New York City Pandemic.

Renelus BD; Khoury NC; Chandrasekaran K; Bekele E; Briggs WM; Ivanov A; Mohanty SR; Jamorabo DS.

Journal of Racial & Ethnic Health Disparities. 2020 Sep 18.

[Journal Article]

UI: 32946070

Authors Full Name

Renelus, Benjamin D; Khoury, Neil C; Chandrasekaran, Karthik; Bekele, Ezana; Briggs, William M; Ivanov, Alexander; Mohanty, Smruti R; Jamorabo, Daniel S.

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The Impact of Sociodemographic Factors, Comorbidities and Physiologic Response on 30-day Mortality in COVID-19 Patients in Metropolitan Detroit.

Miller J; Fadel RA; Tang A; Perrotta G; Herc E; Soman S; Nair S; Hanna Z; Zervos MJ; Alangaden G; Brar I; Suleyman G.

Clinical Infectious Diseases. 2020 Sep 18.

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UI: 32945856

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Miller, Joseph; Fadel, Raef A; Tang, Amy; Perrotta, Giuseppe; Herc, Erica; Soman, Sandeep; Nair, Sashi; Hanna, Zachary; Zervos, Marcus J; Alangaden, George; Brar, Indira; Suleyman, Geehan.

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Regional variation in COVID-19 disparities: Connections with immigrant and Latinx communities in US counties.

Strully K; Yang TC; Liu H.

Annals of Epidemiology. 2020 Sep 11.

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UI: 32927056

Authors Full Name

Strully, Kate; Yang, Tse-Chuan; Liu, Han.

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Blacks/African American Communities are at Highest Risk of COVID-19: Spatial Modeling of New York City ZIP Code-Level Testing Results.

DiMaggio C; Klein M; Berry C; Frangos S.

Annals of Epidemiology. 2020 Aug 20.

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UI: 32827672

Authors Full Name

DiMaggio, Charles; Klein, Michael; Berry, Cherisse; Frangos, Spiros.

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Racial, Economic, and Health Inequality and COVID-19 Infection in the United States.

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Risk factors for detection of SARS-CoV-2 in healthcare workers during April 2020 in a UK hospital testing programme.

Leeds JS; Raviprakash V; Jacques T; Scanlon N; Cundall J; Leeds CM.

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Racial Disparities in COVID-19 Mortality Among Essential Workers in the United States.

Rogers TN; Rogers CR; VanSant-Webb E; Gu LY; Yan B; Qeadan F.

World Medical & Health Policy. 2020 Aug 05.

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UI: 32837779

Authors Full Name

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Assessment of COVID-19 Hospitalizations by Race/Ethnicity in 12 States.

Karaca-Mandic P; Georgiou A; Sen S.

JAMA Internal Medicine. 2020 Aug 17.

[Journal Article]

UI: 32804192

Authors Full Name

Karaca-Mandic, Pinar; Georgiou, Archelle; Sen, Soumya.

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Prevalence of suspected COVID-19 infection in patients from ethnic minority populations: a cross-sectional study in primary care.

Hull SA; Williams C; Ashworth M; Carvalho C; Boomla K.

British Journal of General Practice. 2020 Sep 07.

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UI: 32895242

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Community-Level Factors Associated With Racial And Ethnic Disparities In COVID-19 Rates In Massachusetts.

Figueroa JF; Wadhera RK; Lee D; Yeh RW; Sommers BD.

Health Affairs. 101377hlthaff202001040, 2020 Aug 27.

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Race, Heart Rate and Temperature are Strongly Associated with COVID-19 at a Community-based Clinic in New Orleans.

Kalayjian BC; Conner K; Butler I; Myers L; Telleria C; Panchang D; Halperin J.

Mayo Clinic Proceedings. Innovations, Quality & Outcomes. 2020 Aug 15.

[Journal Article]

UI: 32838207

Authors Full Name

Kalayjian, Benjamin C; Conner, Katherine; Butler, Isolde; Myers, Leann; Telleria, Christian; Panchang, Deepa; Halperin, Jason.

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Social Vulnerability and Equity: The Disproportionate Impact of COVID-19.

Gaynor TS; Wilson ME.

Public Administration Review. 2020 Jun 22.

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UI: 32836465

Authors Full Name

Gaynor, Tia Sheree; Wilson, Meghan E.

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Social Equity and COVID-19: The Case of African Americans.

Wright JE 2nd; Merritt CC.

Public Administration Review. 2020 May 30.

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UI: 32836453

Authors Full Name

Wright, James E 2nd; Merritt, Cullen C.

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Racial Disparities in Incidence and Outcomes Among Patients With COVID-19.

Munoz-Price LS; Nattinger AB; Rivera F; Hanson R; Gmehlin CG; Perez A; Singh S; Buchan BW; Ledebor NA; Pezzin LE.

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UI: 32975575

Authors Full Name

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Association of Race and Ethnicity With Comorbidities and Survival Among Patients With COVID-19 at an Urban Medical Center in New York.

Kabarriti R; Brodin NP; Maron MI; Guha C; Kalnicki S; Garg MK; Racine AD.

JAMA Network Open. 3(9):e2019795, 2020 Sep 01.

[Journal Article]

UI: 32975574

Authors Full Name

Kabarriti, Rafi; Brodin, N Patrik; Maron, Maxim I; Guha, Chandan; Kalnicki, Shalom; Garg, Madhur K; Racine, Andrew D.

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Racism, Not Race, Drives Inequity Across the COVID-19 Continuum.

Khazanchi R; Evans CT; Marcelin JR.

JAMA Network Open. 3(9):e2019933, 2020 Sep 01.

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UI: 32975568

Authors Full Name

Khazanchi, Rohan; Evans, Charlesnika T; Marcelin, Jasmine R.

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27.

COVID-19 Death Rates Are Higher in Rural Counties With Larger Shares of Blacks and Hispanics.

Cheng KJG; Sun Y; Monnat SM.

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[Journal Article]

UI: 32894612

Authors Full Name

Cheng, Kent Jason G; Sun, Yue; Monnat, Shannon M.

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Patterns of COVID-19 testing and mortality by race and ethnicity among United States veterans: A nationwide cohort study.

Rentsch CT; Kidwai-Khan F; Tate JP; Park LS; King JT Jr; Skanderson M; Hauser RG; Schultze A; Jarvis CI; Holodniy M; Lo Re V 3rd; Akgun KM; Crothers K; Taddei TH; Freiberg MS; Justice AC.

PLoS Medicine / Public Library of Science. 17(9):e1003379, 2020 09.

[Journal Article. Research Support, N.I.H., Extramural]

UI: 32960880

Authors Full Name

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COVID-19 outcomes, risk factors and associations by race: a comprehensive analysis using electronic health records data in Michigan Medicine.

Gu T; Mack JA; Salvatore M; Sankar SP; Valley TS; Singh K; Nallamothu BK; Kheterpal S; Lisabeth L; Fritsche LG; Mukherjee BG.

MedRxiv : the Preprint Server for Health Sciences. 2020 Jun 18.

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UI: 32793920

Authors Full Name

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Assessing the Impact of the Covid-19 Pandemic on US Mortality: A County-Level Analysis.

Stokes AC; Lundberg DJ; Hempstead K; Elo IT; Preston SH.

MedRxiv : the Preprint Server for Health Sciences. 2020 Sep 02.

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UI: 32908999

Authors Full Name

Stokes, Andrew C; Lundberg, Dielle J; Hempstead, Katherine; Elo, Irma T; Preston, Samuel H.

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31.

Racial/Ethnic Disparities in Hospital Admissions from COVID-19 and Determining the Impact of Neighborhood Deprivation and Primary Language.

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UI: 32909015

Authors Full Name

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Clinical Characteristics and Outcomes Based on Race of Hospitalized Patients With COVID-19 in a New Orleans Cohort.

Silver V; Chapple AG; Feibus AH; Beckford J; Halapin NA; Barua D; Gordon A; Baumgartner W; Vignes S; Clark C; Kamboj S; Lim SC; Mackey SP; Seal PS; Kanter JM; Bell C; Clement ME.

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EClinicalMedicine. 25:100455, 2020 Aug.

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UI: 32838233

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34.

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Kopel J; Perisetti A; Roghani A; Aziz M; Gajendran M; Goyal H.

Frontiers in Public Health. 8:418, 2020.

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UI: 32850607

Authors Full Name

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Ethnicity and risk of death in patients hospitalised for COVID-19 infection in the UK: an observational cohort study in an urban catchment area.

Sapey E; Gallier S; Mainey C; Nightingale P; McNulty D; Crothers H; Evison F; Reeves K; Pagano D; Denniston AK; Nirantharakumar K; Diggle P; Ball S; All clinicians and students at University Hospitals Birmingham NHS Foundation Trust.

BMJ open respiratory research. 7(1), 2020 09.

[Journal Article. Observational Study]

UI: 32873607

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Sapey, Elizabeth; Gallier, Suzy; Mainey, Chris; Nightingale, Peter; McNulty, David; Crothers, Hannah; Evison, Felicity; Reeves, Katharine; Pagano, Domenico; Denniston, Alastair K; Nirantharakumar, Krishnarajah; Diggle, Peter; Ball, Simon; All clinicians and students at University Hospitals Birmingham NHS Foundation Trust.

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36.

Why are Indigenous communities seeing so few cases of COVID-19?.

Banning J.

CMAJ Canadian Medical Association Journal. 192(34):E993-E994, 2020 08 24.

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Banning, Jolene.

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African-Americans Have a Higher Propensity for Death from COVID-19: Rationale and Causation.

Strickland OL; Powell-Young Y; Reyes-Miranda C; Alzaghari O; Giger JN.

Journal of National Black Nurses Association. 31(1):1-12, 2020 Jul.

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38.

Association of Race With Mortality Among Patients Hospitalized With Coronavirus Disease 2019 (COVID-19) at 92 US Hospitals.

Yehia BR; Winegar A; Fogel R; Fakih M; Ottenbacher A; Jesser C; Bufalino A; Huang RH; Cacchione J.

JAMA Network Open. 3(8):e2018039, 2020 Aug 03.

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UI: 32809033

Title Comment

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Racial and Ethnic Disparities Among COVID-19 Cases in Workplace Outbreaks by Industry Sector - Utah, March 6-June 5, 2020.

Bui DP; McCaffrey K; Friedrichs M; LaCross N; Lewis NM; Sage K; Barbeau B; Vilven D; Rose C; Braby S; Willardson S; Carter A; Smoot C; Winkvist A; Dunn A.

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UI: 32817604

Authors Full Name

Bui, David P; McCaffrey, Keegan; Friedrichs, Michael; LaCross, Nathan; Lewis, Nathaniel M; Sage, Kylie; Barbeau, Bree; Vilven, Dede; Rose, Carolyn; Braby, Sara; Willardson, Sarah; Carter, Amy; Smoot, Christopher; Winkvist, Andrea; Dunn, Angela.

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40.

Disparities in Incidence of COVID-19 Among Underrepresented Racial/Ethnic Groups in Counties Identified as Hotspots During June 5-18, 2020 - 22 States, February-June 2020.

Moore JT; Ricaldi JN; Rose CE; Fuld J; Parise M; Kang GJ; Driscoll AK; Norris T; Wilson N; Rainisch G; Valverde E; Beresovsky V; Agnew Brune C; Oussayef NL; Rose DA; Adams LE; Awel S; Villanueva J; Meaney-Delman D; Honein MA; COVID-19 State, Tribal, Local, and Territorial Response Team.

MMWR - Morbidity & Mortality Weekly Report. 69(33):1122-1126, 2020 Aug 21.

[Journal Article]

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Authors Full Name

Moore, Jazmyn T; Ricaldi, Jessica N; Rose, Charles E; Fuld, Jennifer; Parise, Monica; Kang, Gloria J; Driscoll, Anne K; Norris, Tina; Wilson, Nana; Rainisch, Gabriel; Valverde, Eduardo; Beresovsky, Vladislav; Agnew Brune, Christine; Oussayef, Nadia L; Rose, Dale A; Adams, Laura E; Awel, Sindoos; Villanueva, Julie; Meaney-Delman, Dana; Honein, Margaret A; COVID-19 State, Tribal, Local, and Territorial Response Team.

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2 (black or indigenous or African-American or race or racialized or marginalized or social-determinant?).mp.	300240 Advanced
3 1 or 2	401233 Advanced

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4 limit 3 to covid-19	1019	Advanced
5 remove duplicates from 4	1009	Advanced
6 limit 5 to english language	998	Advanced
7 limit 6 to dt="20200815-20201005"	341	Advanced
8 from 7 keep 1-2, 24, 28, 34, 43, 45...	40	Advanced

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