



Trusted Advisors for Growth

**Webinar
8.13.2020**

With BioKansas



COVID-19. The Next Wave.

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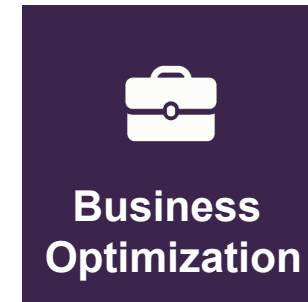
- **Everyone attending the webinar is muted. To ask a question, type your question in the Q/A text box using your GoToWebinar panel.**
- **We will ask questions at the end of the presentation.**
- **This webinar is being recorded. The link to the recording will be included in a follow-up email being distributed tomorrow.**
- **Please check our website www.wearekms.com frequently for new webinars and events. (or register to receive our KMS newsletter)**

Kansas Manufacturing Solutions

Kansas Manufacturing Solutions (KMS)

KMS' mission is to grow Kansas manufacturing by delivering solutions to small and medium sized manufacturers with value driven results.





5 Core Competencies

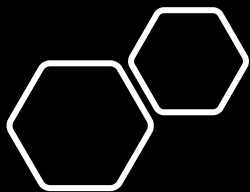


Kansas Manufacturing Solutions

KMS has published third party quarterly surveys of KMS clients to ensure full accountability and a performance scorecard of certified value for the manufacturing customers we serve.

KMS' IMPACT on Kansas Manufacturers in 2019

	Increased/Retained Sales	\$181.8 M
	Jobs Saved/Created:	3,541
	Cost Savings:	\$8.3 M
	Increased Investments:	\$96.2 M



Sonia M. Hall, PhD
President & CEO |
BioKansas

Looking Back To Move Forward

- Who we are
- Our members
- What we do



Pandemics In History





Pandemics In History

- Economic impact
- Political change
- Scientific advancement
- Technological growth
- Social change



The Plague

- Yersinia pestis pandemic
- Multiple waves
- Economic impacts
- Emergence of middle class
- Improved technology
- First quarantine



Pandemic of 1918-1920

- H1N1 Influenza pandemic
- Multiple waves
- Intercontinental travel
- Military movement
- Understanding of viruses
- Interest in flu vaccine



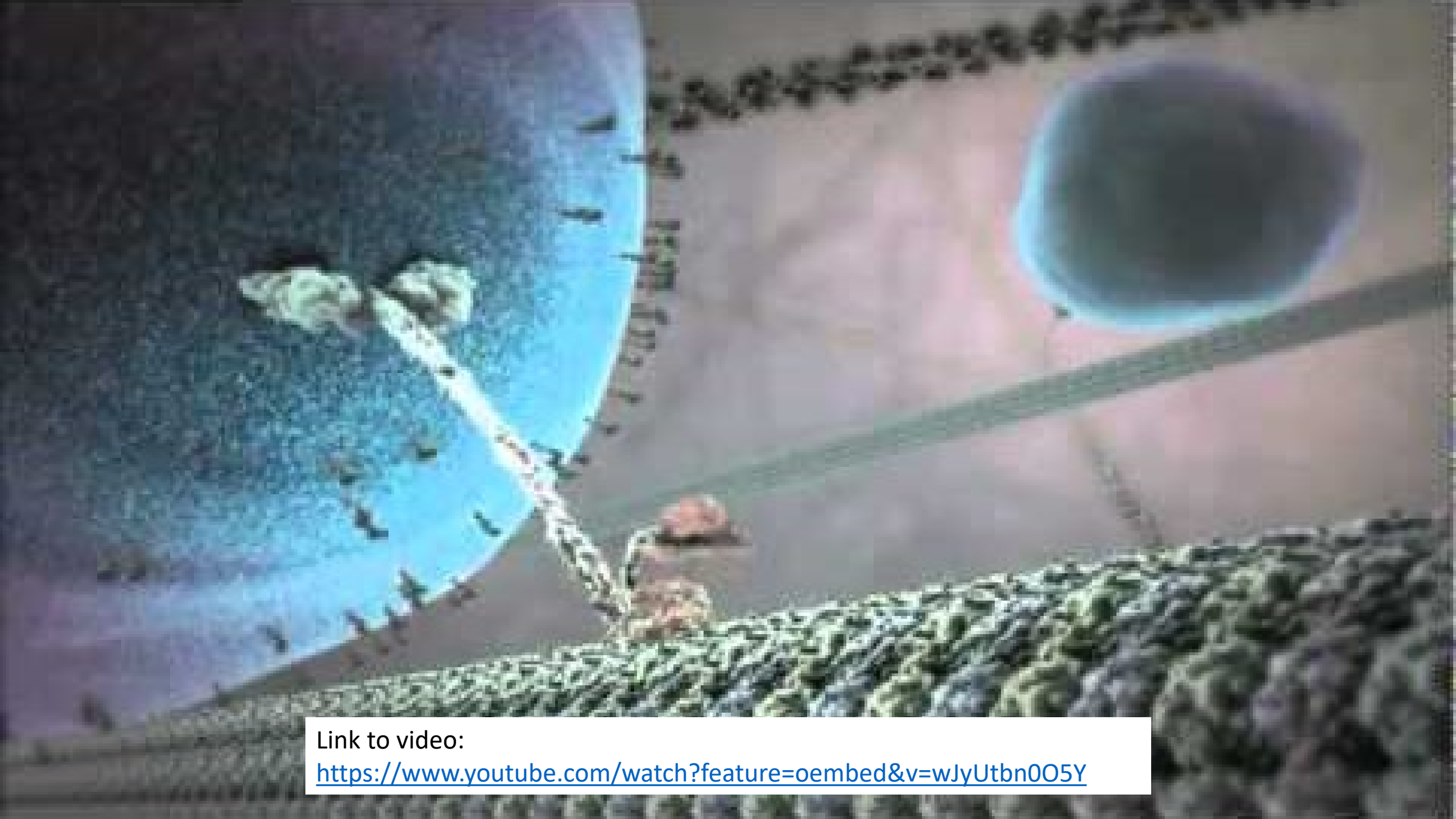
Multiple Pandemics & Outbreaks

- Ebola
- Zika
- Smallpox
- SARS



Viruses & Genetics





Link to video:

<https://www.youtube.com/watch?feature=oembed&v=wJyUtbn0O5Y>

The Basics

- Cellular environment
- DNA or RNA genomes
- Viruses interact with receptors



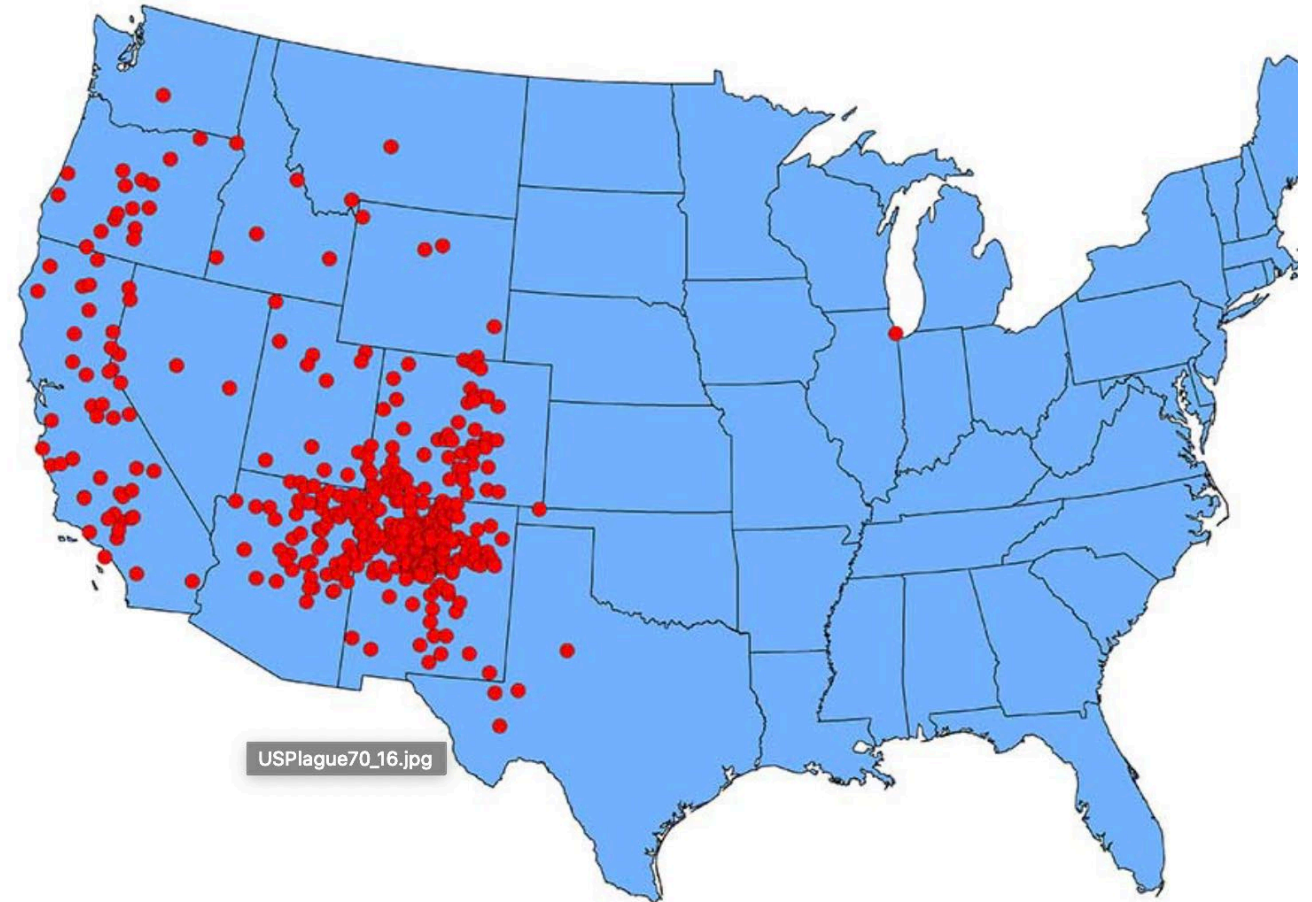
Link to video:

<https://www.youtube.com/watch?feature=oembed&v=oXzwtGFyBik>

Genetics and Disease

- 8% of the human genome is composed of viral gene sequences
- Mutations can be good and bad
- Understanding mutations leads to medical advancement

Reported Cases of Human Plague - United States, 1970-2018



Centers for Disease Control – [cdc.gov](https://www.cdc.gov)

1 dot placed randomly in most likely county of exposure for each confirmed plague case

What's Next



Resources



Centers for Disease Control

<http://www.preparemetrokc.org/covid19/safereturnkc.htm>

Get the Facts About Coronavirus

Take steps to care for yourself and help protect others in your home and community.

HOW TO PROTECT YOURSELF >

WHAT TO DO IF YOU ARE SICK >



Symptoms of COVID-19



Self check symptoms



People at increased risk



Should you get tested?



Cases in the US



Masks



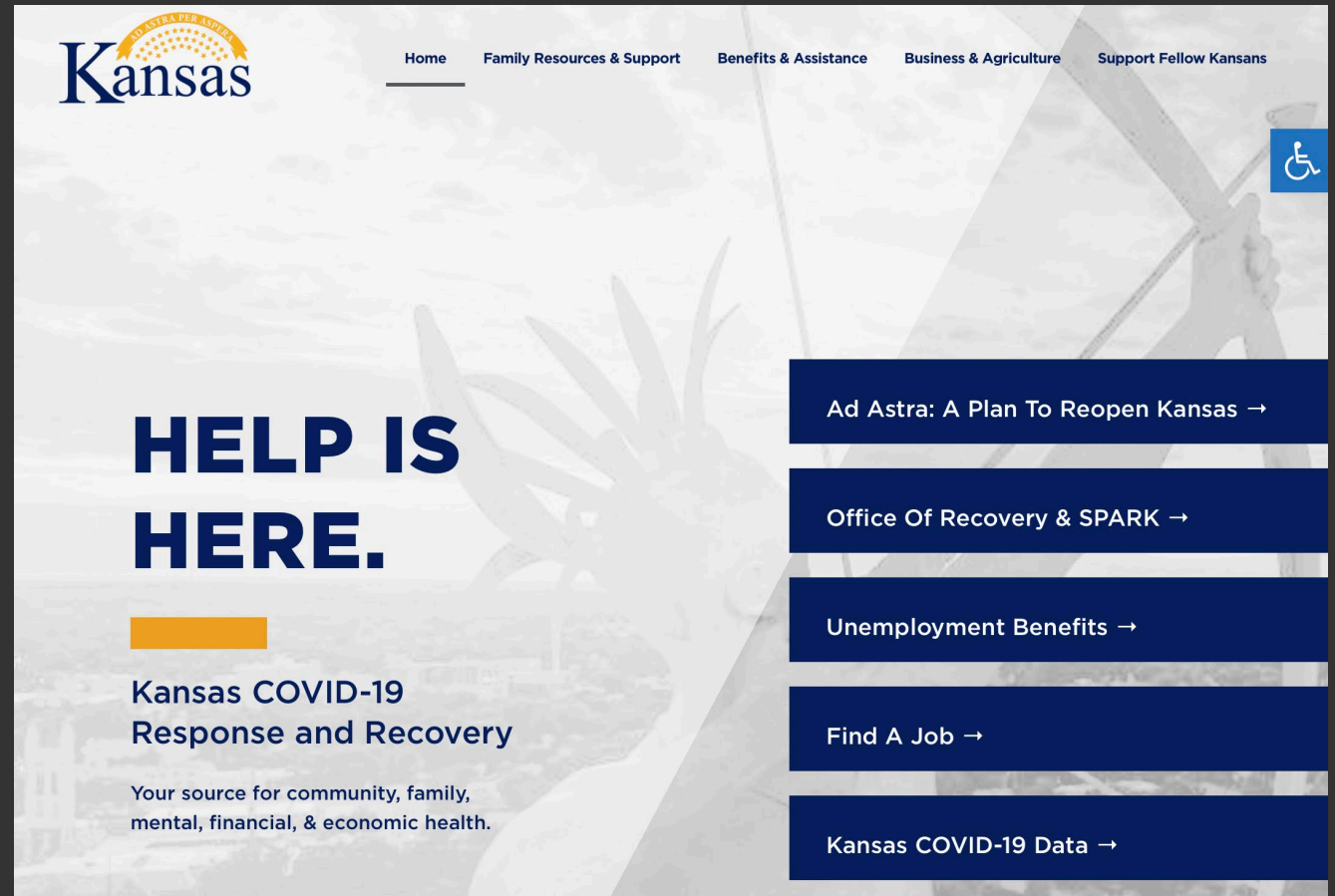
Back to School



Travel

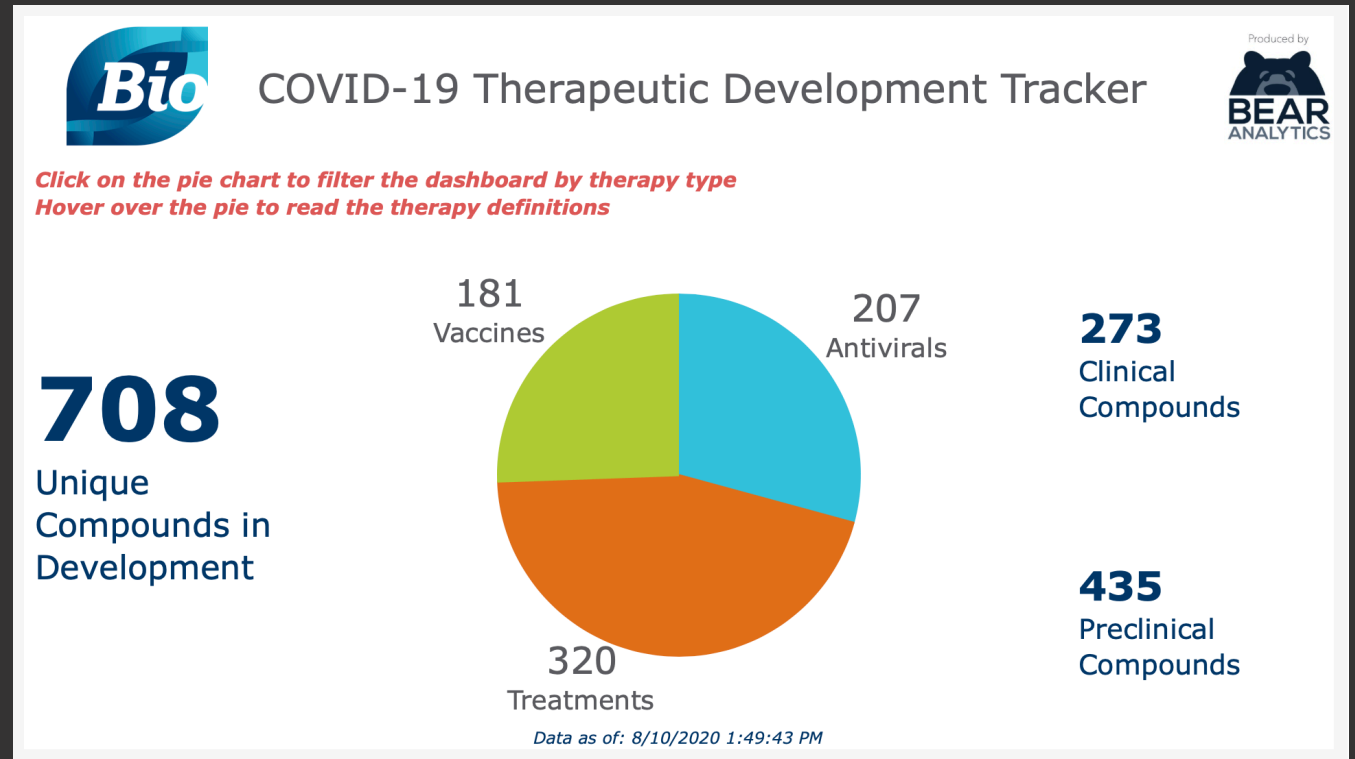
Kansas Response & Recovery

<https://covid.ks.gov>



Tracking vaccines and therapeutics

<https://www.bio.org/policy/human-health/vaccines-biodefense/coronavirus/pipeline-tracker>



Prepare Metro KC

<http://www.preparemetrokc.org/covid19/safereturnkc.htm>

K-12 Regional Reopening Plans

See the latest school reopening plans for districts across our region in the [K-12 Regional Reopening Plan document](#).

Child Care Programs

The [Preparedness and Planning for Child Care Programs](#) guide helps programs assess their ability to reopen during the first phase of local and state governments lifting stay-at-home orders.

Regional Reopening Plans

A [summary of reopening plans for our region](#) is available.

Contact Tracing

Contact tracing is a key strategy for preventing further spread of COVID-19. Download our [contact tracing infographic](#).

Personal Protective Equipment (PPE)

Explore MARC's [list of potential PPE vendors and resources](#).

Recovery Plans

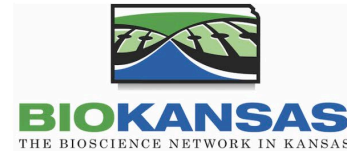
Kansas City Metro Area RecoveryPlans

- [State of Missouri](#)
- [Clay County](#)
- [Platte County](#)

Essential Supplier Site – KMS & BioKansas

<http://www.preparemetrokc.org/covid19/safereturnkc.htm>

CURRENT AREA SUPPLIERS OF COVID-19 CRITICAL ITEMS



Below are regional companies that are currently taking orders for critical supplies. In partnership with [Kansas Manufacturing Solutions](#), we have also identified companies that can retool to make additional supplies if provided access to capital. To be added as a supplier or for other inquiries, email manufacturing@biokansas.org.

Non-healthcare organizations can consult FEMA's fact sheet for addressing, sourcing, and preserving personal protective equipment [here](#).

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Thank You

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Final Notes

- **KMS will continue to post COVID-19 updates on our website www.wearekms.com**
- **Webinar Replay information**
 - **Webinar replay information will be distributed to you tomorrow via email**
- **Thank you for joining the webinar**