



2019 WV Black Lung Conference

Pipestem, WV
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Assistant Secretary of Labor
Mine Safety and Health Administration



The MSHA Mission

“to prevent death, illness, and injury from mining and promote safe and healthful workplaces for U.S. miners”



MSHA's Tools

- Fair and consistent enforcement, including mandated inspections
- Compliance and technical assistance
- Training and education
- Rulemaking and policy guidance



MSHA's Mine Portfolio

Trailing 4 Quarters, 2018 Q2 – 2019 Q1

Mine Type	Number of Mines	Share of Total
UG Coal Only	422	3%
UG MNM Only	239	1.7%
UG Total	661	4.7%
All Surface	12,416	89.1%
Facilities	859	6.2%



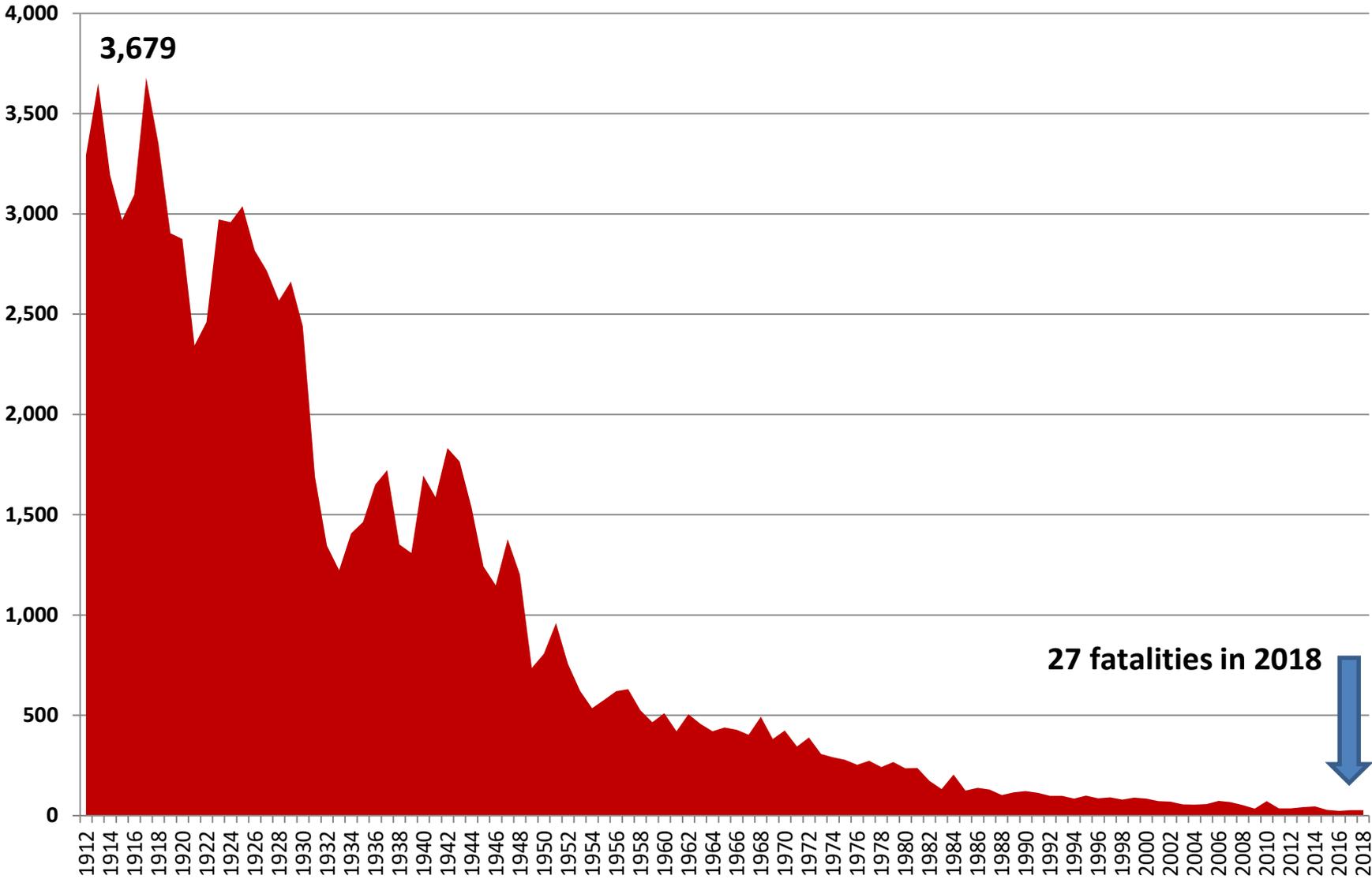
MSHA Data for 2018

	New Mexico	NATION
# of Mines Reporting Employment	202	13,044
- Coal Mines Only	4	1,192
- Metal/Nonmetal Mines Only	198	11,852
Total Operator Employment*	4,356	229,119
MSHA E01 Inspections Completed	259	19,214
Citations & Orders Issued	1,054	97,722
Dollars Assessed	\$608k	\$55.7M

*The Nation's total employment, including contractors is 331,879. Given contractor data limitations, a similar breakout of employment inclusive of contractors cannot be provided for New Mexico.



All Mining Fatalities 1912-2018

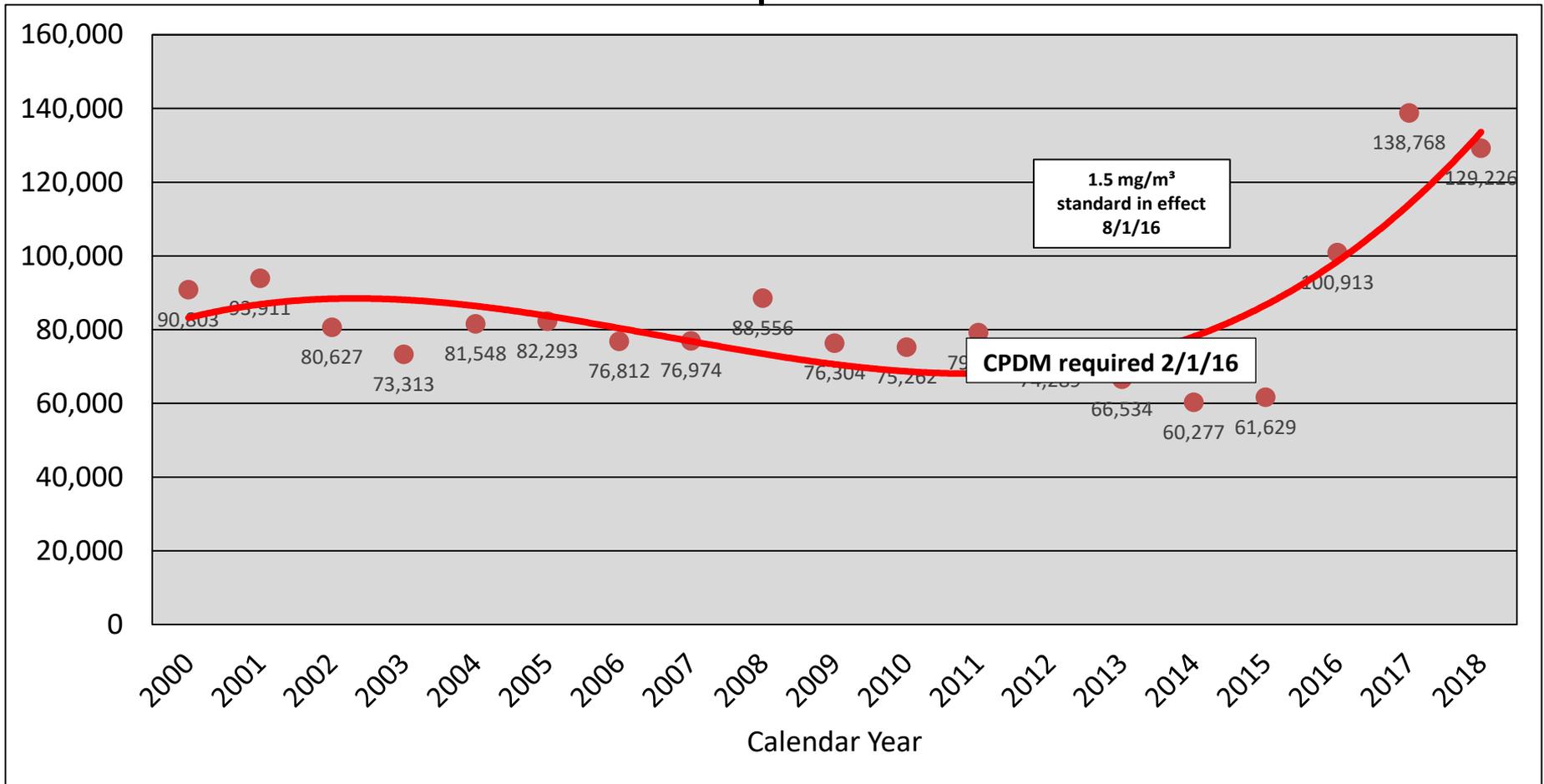


Dust Sampling Trends

- Increased sampling of key positions in coal mines was mandated by 2014 dust rule
- What trends are we seeing?



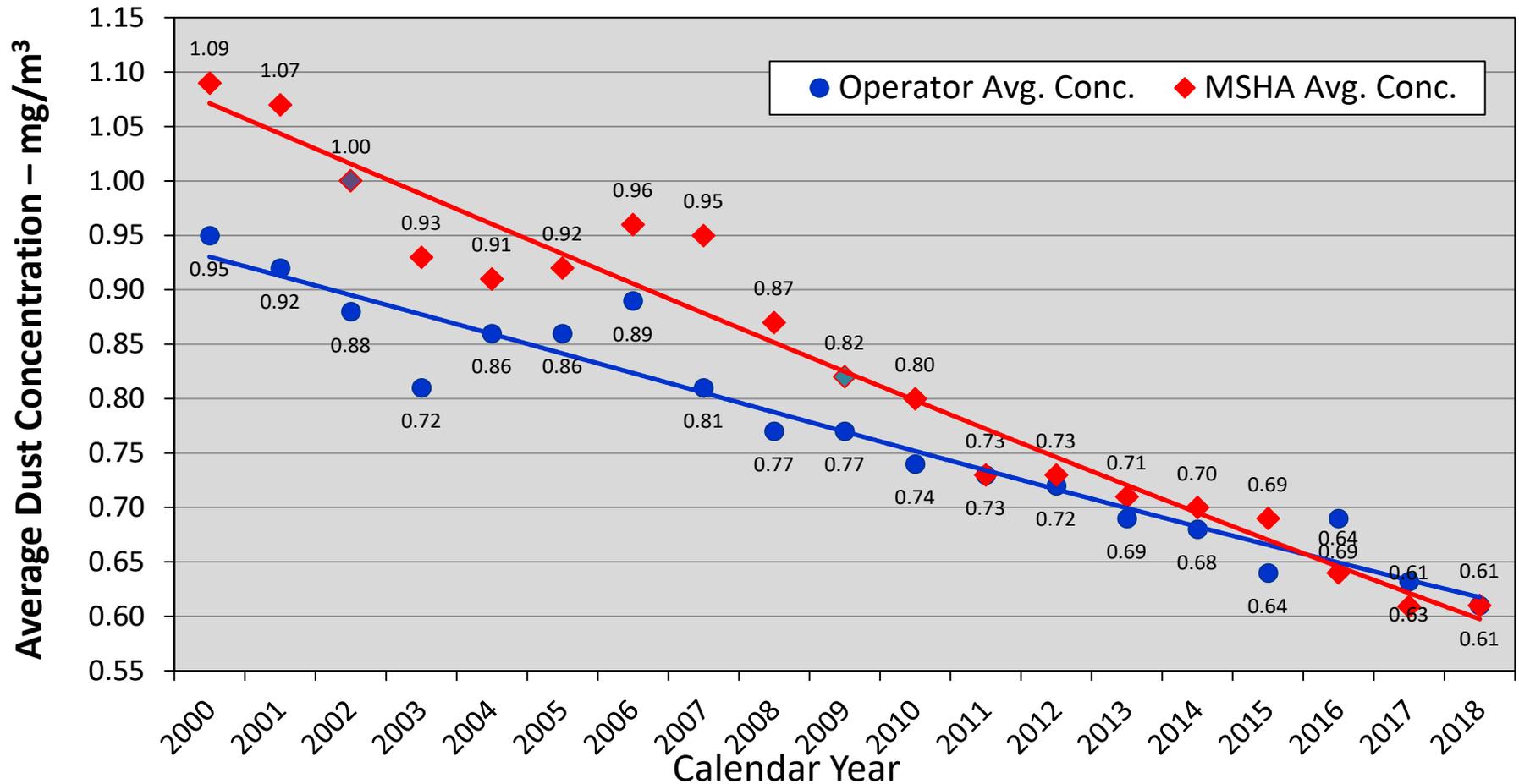
Coal - Number of Valid MSHA & Operator Respirable Dust Samples



Data as of 1/30/2019



Average DO* Dust Concentration in Underground Coal Mines, by MSHA and Operator Samples

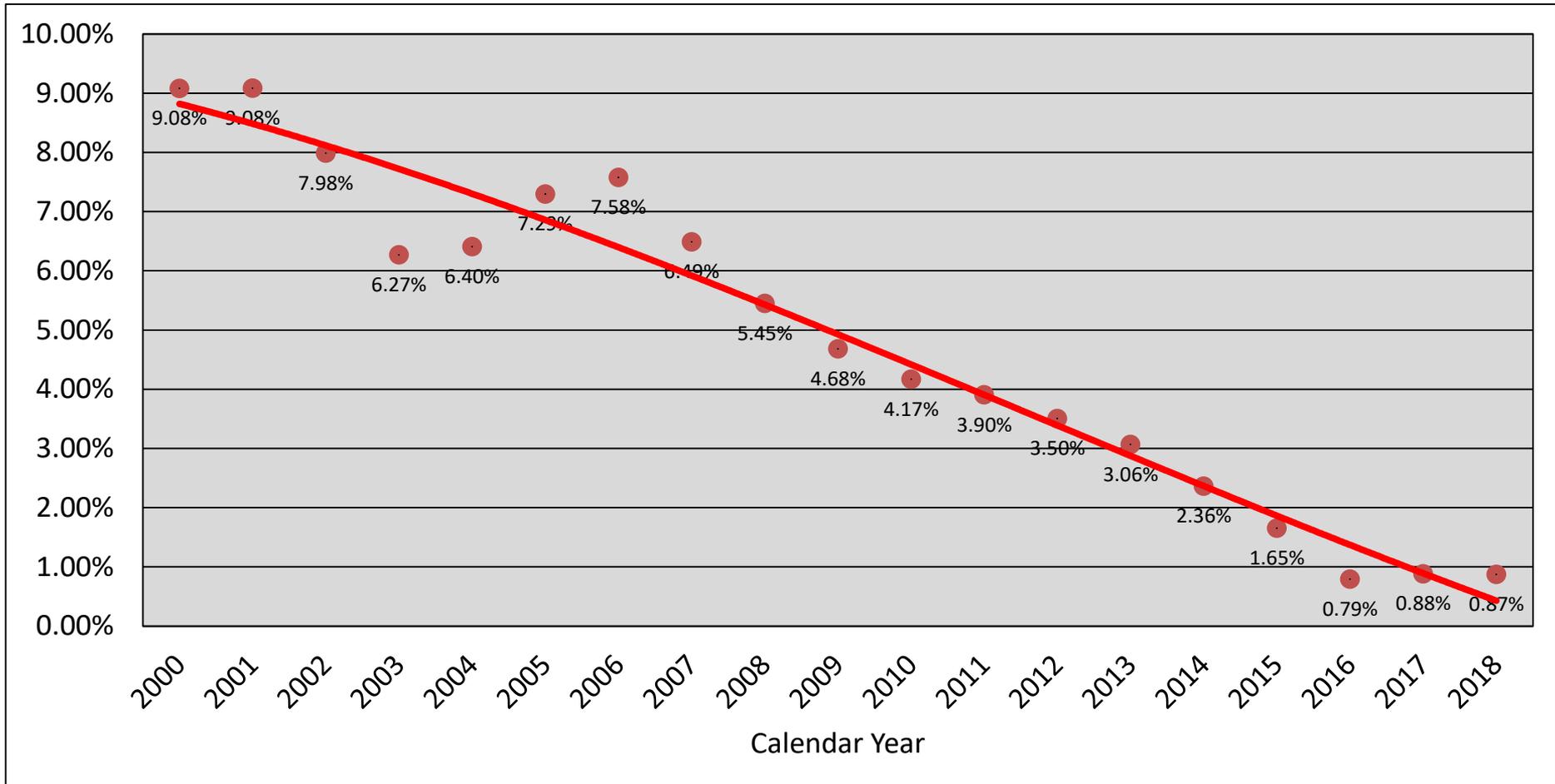


* Designated occupations (DO) exposed to the highest levels of respirable coal mine dust.

Data as of 1/30/2019



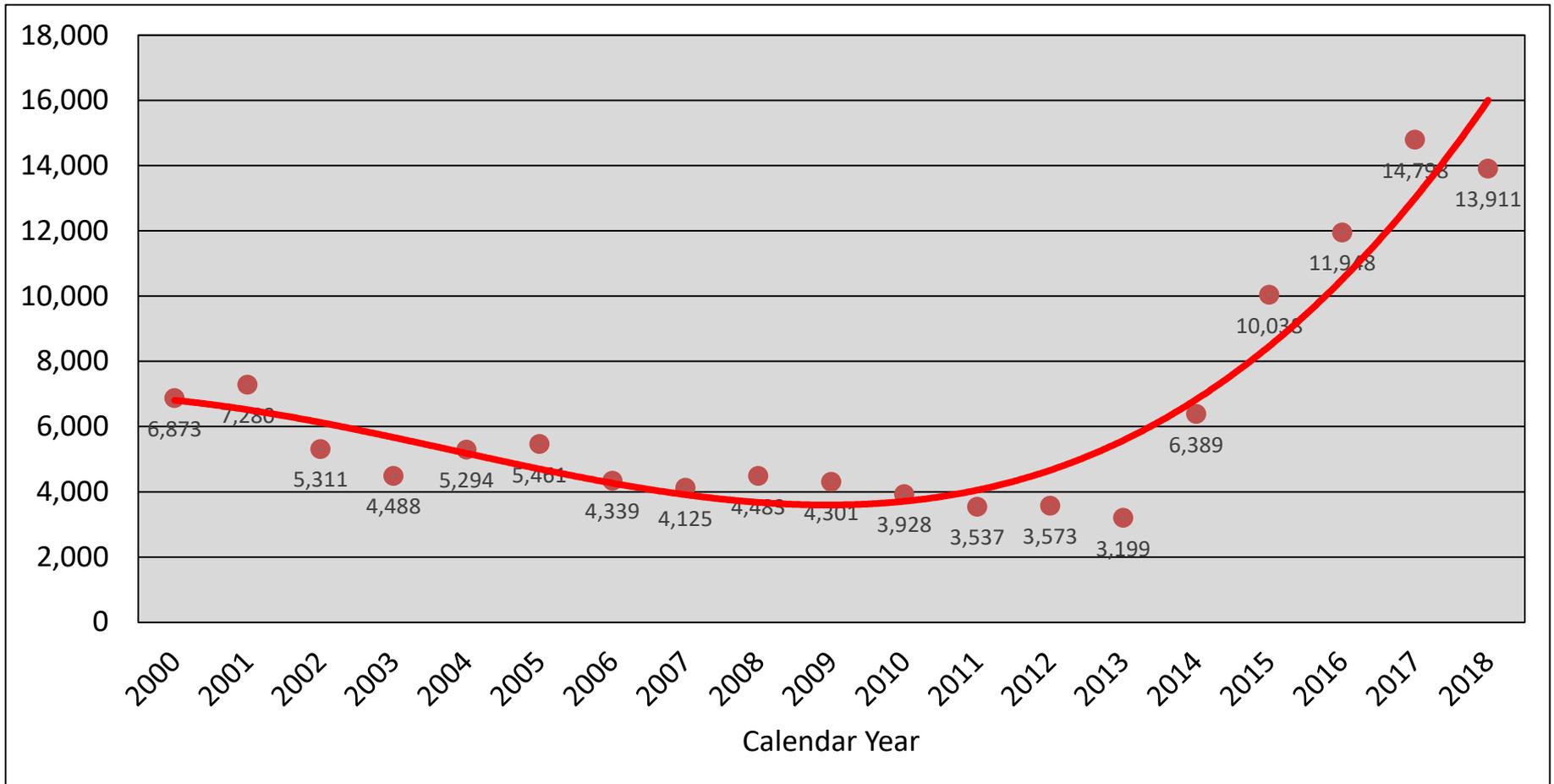
Coal - MSHA & Operator Respirable Dust Samples % > Standard



Data as of 1/30/2019



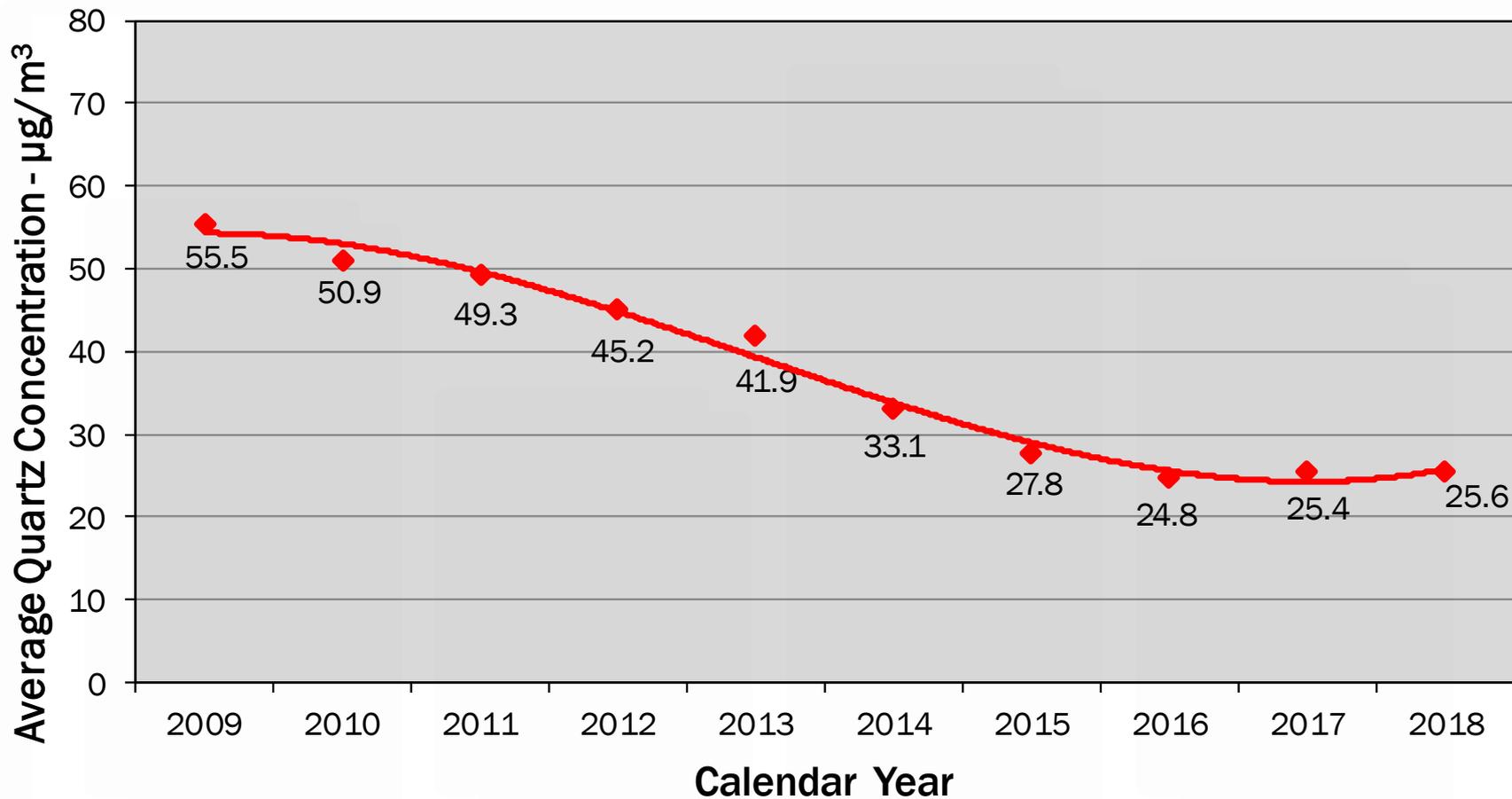
Coal - Number of Valid MSHA Quartz Samples



Data as of 2/5/2019



Underground Coal Mines MSHA Average Designated Occupation* Quartz Concentration by Calendar Year

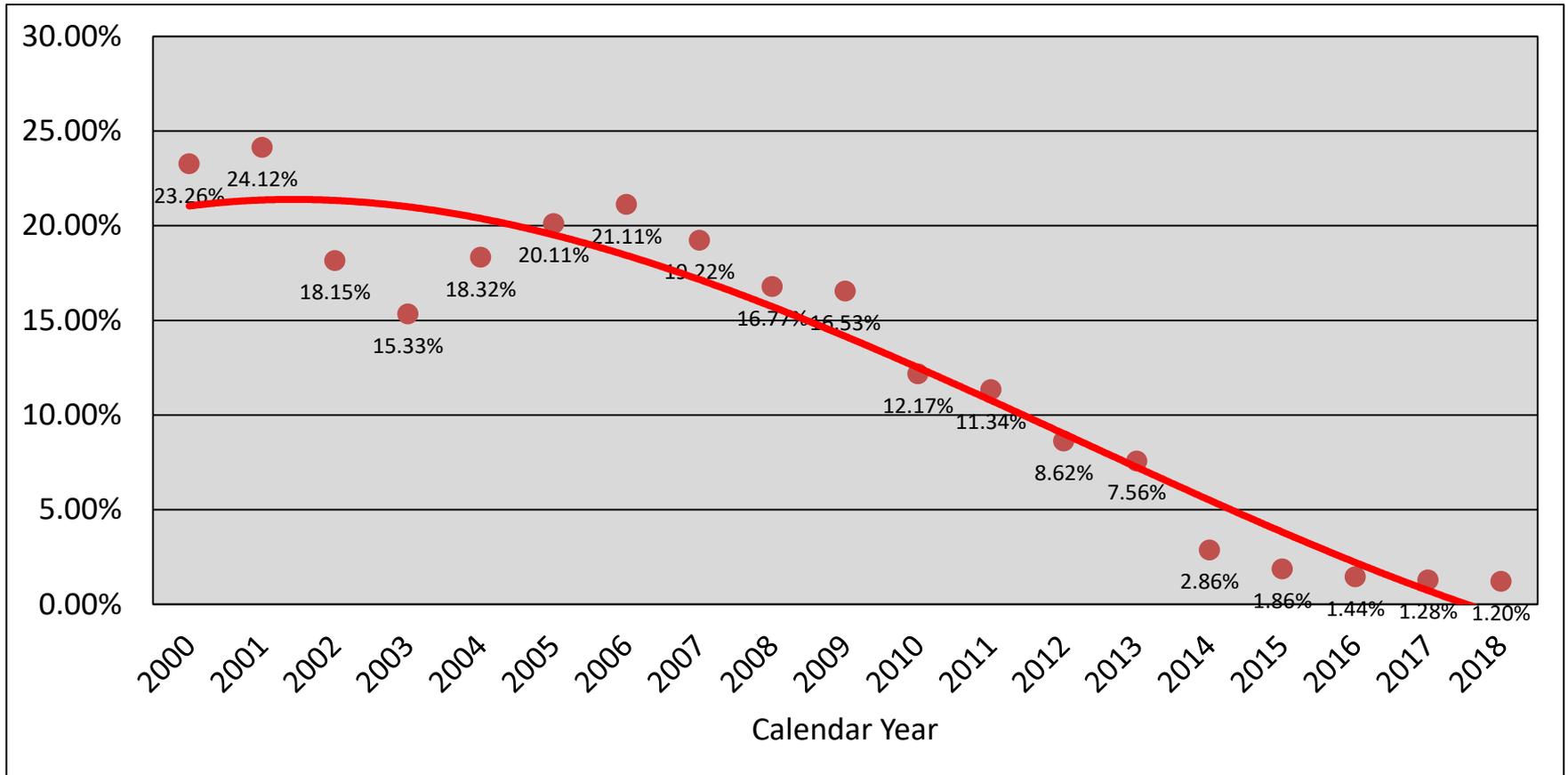


* Designated occupations (DO) exposed to the highest levels of respirable coal mine dust.

Data as of 1/30/2019



Coal - MSHA Quartz Samples % >100 $\mu\text{g}/\text{m}^3$



Data as of 2/5/2019

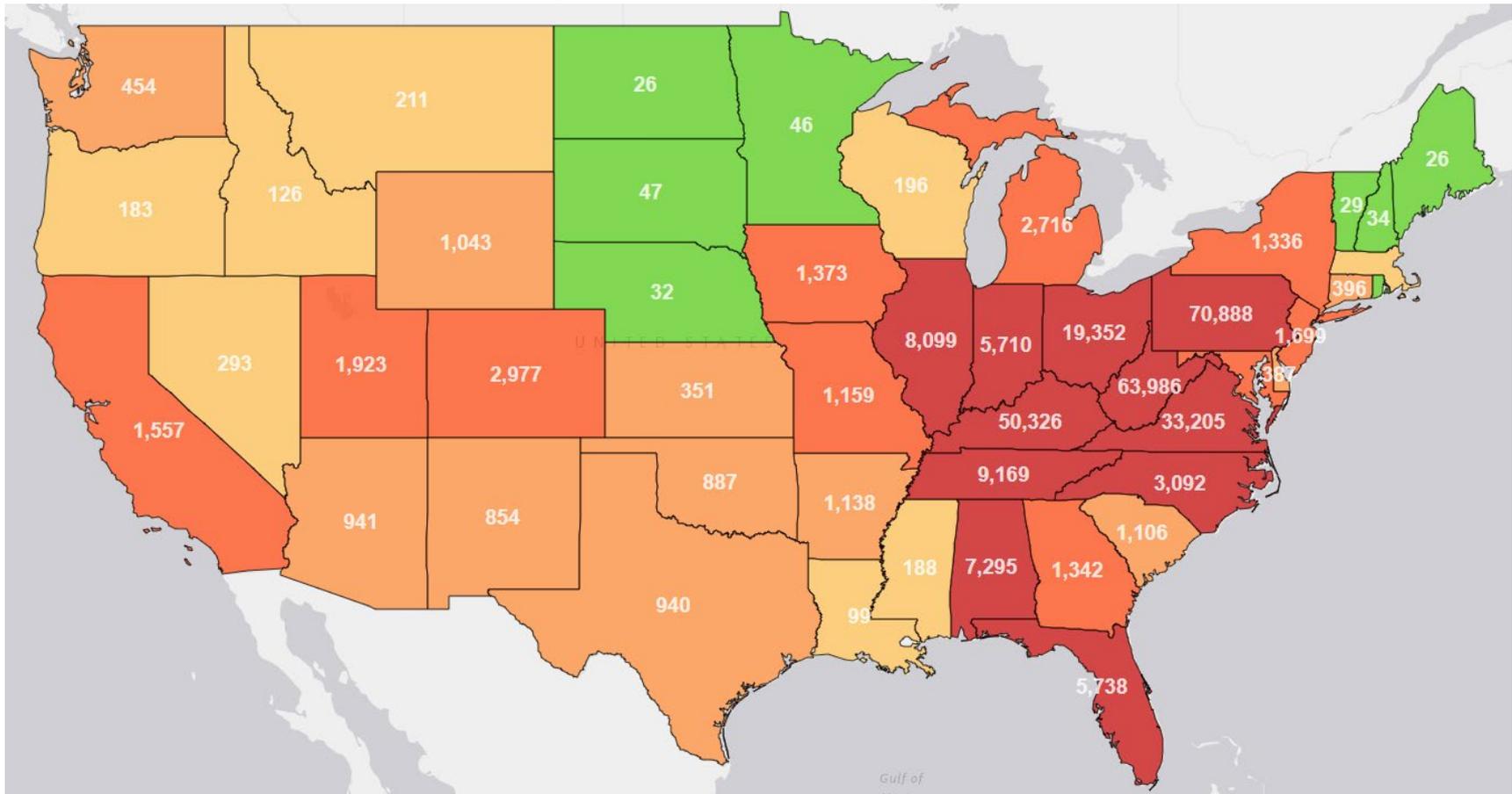


Black Lung Issues Are Localized

- Reported Black Lung resurgence is concentrated in certain areas
- Coal production is declining in those areas



Number of Black Lung Claims Paid by State (FY 2007-2018)

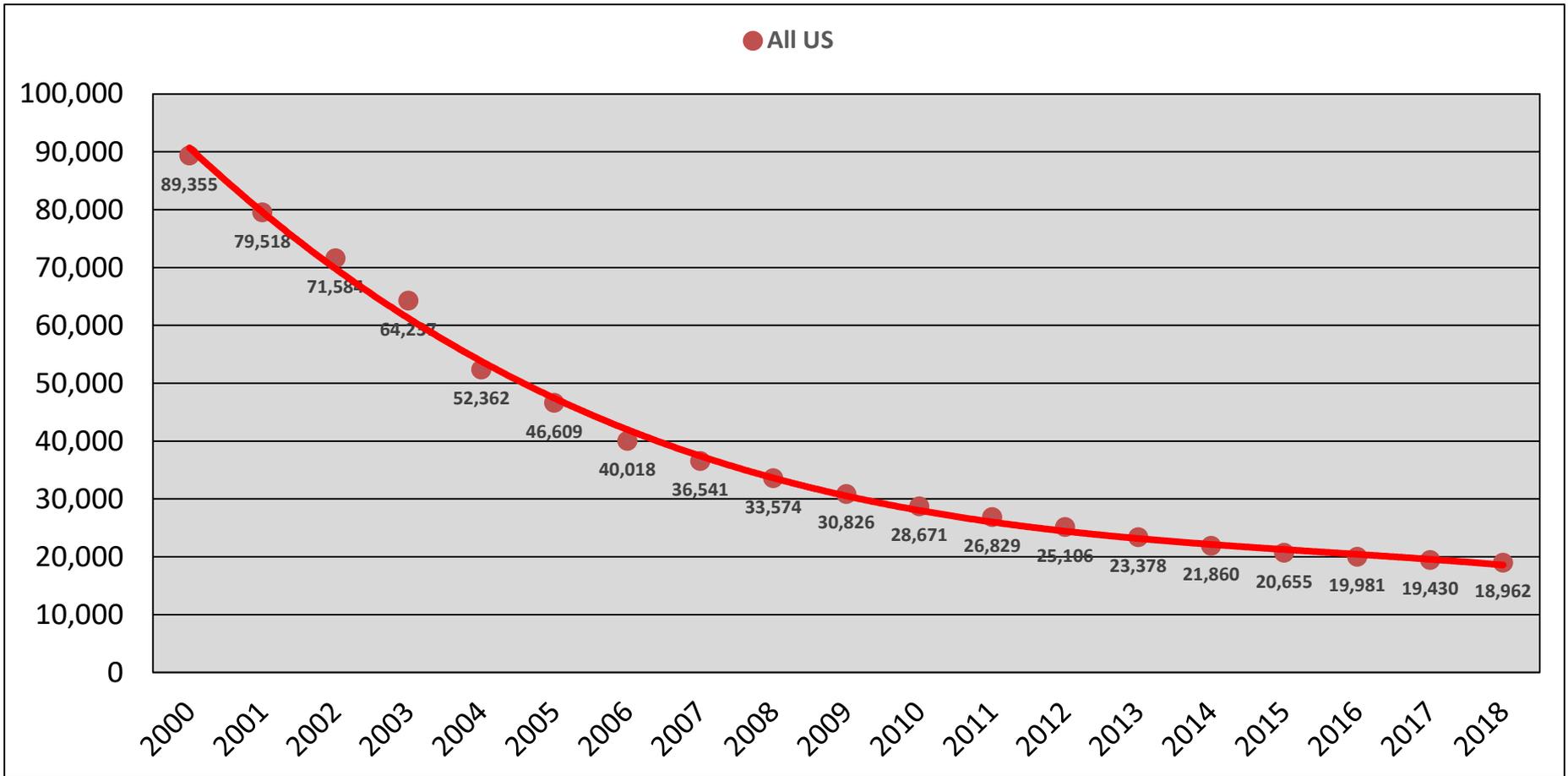


Data retrieved from <https://www.dol.gov/owcp/dcmwc/statistics/statistics.htm>

Claims counts are based on number of payments made to miners, widows, or dependents in the state in which the beneficiary resides.



Number of Black Lung Claims Paid

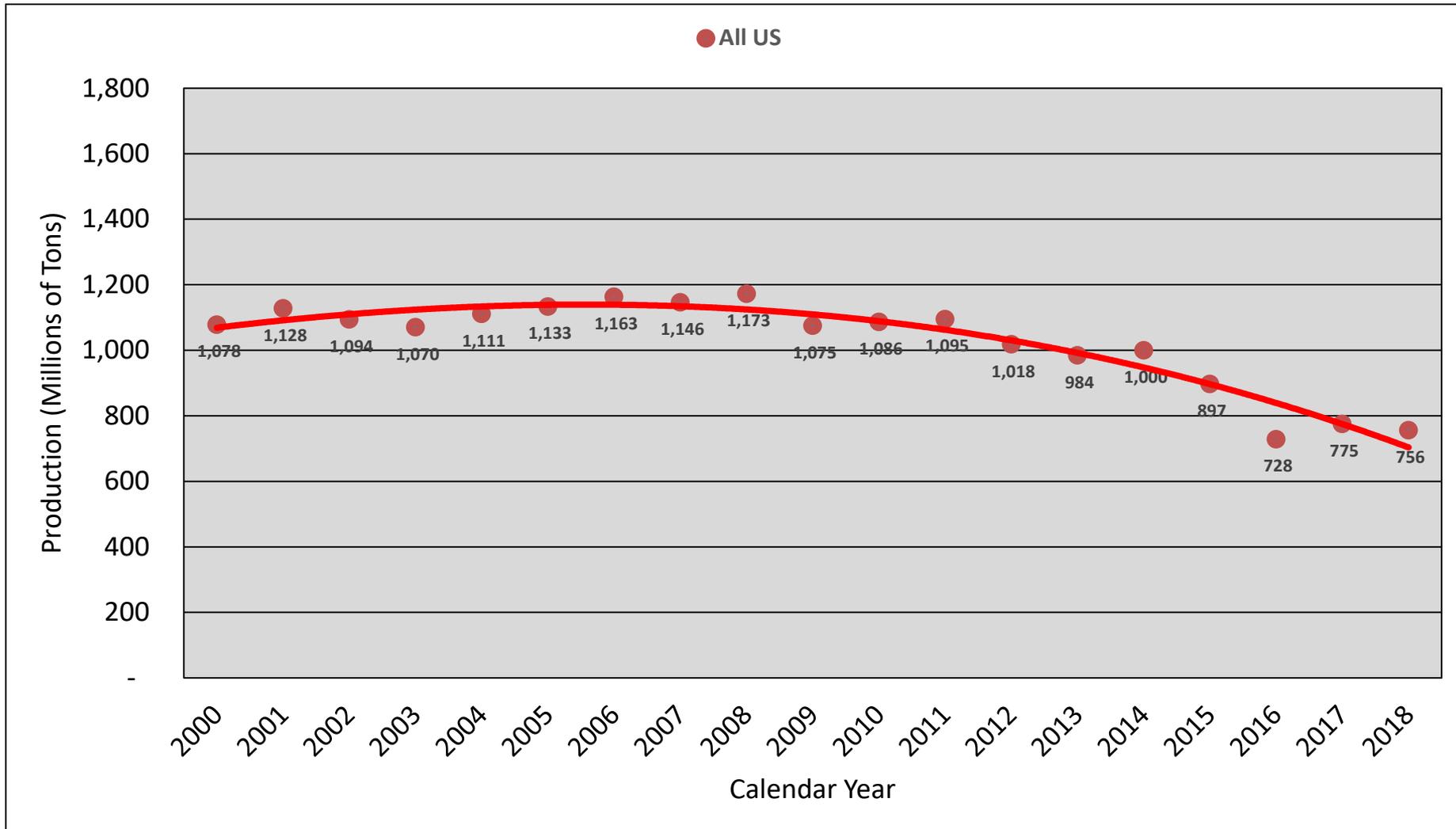


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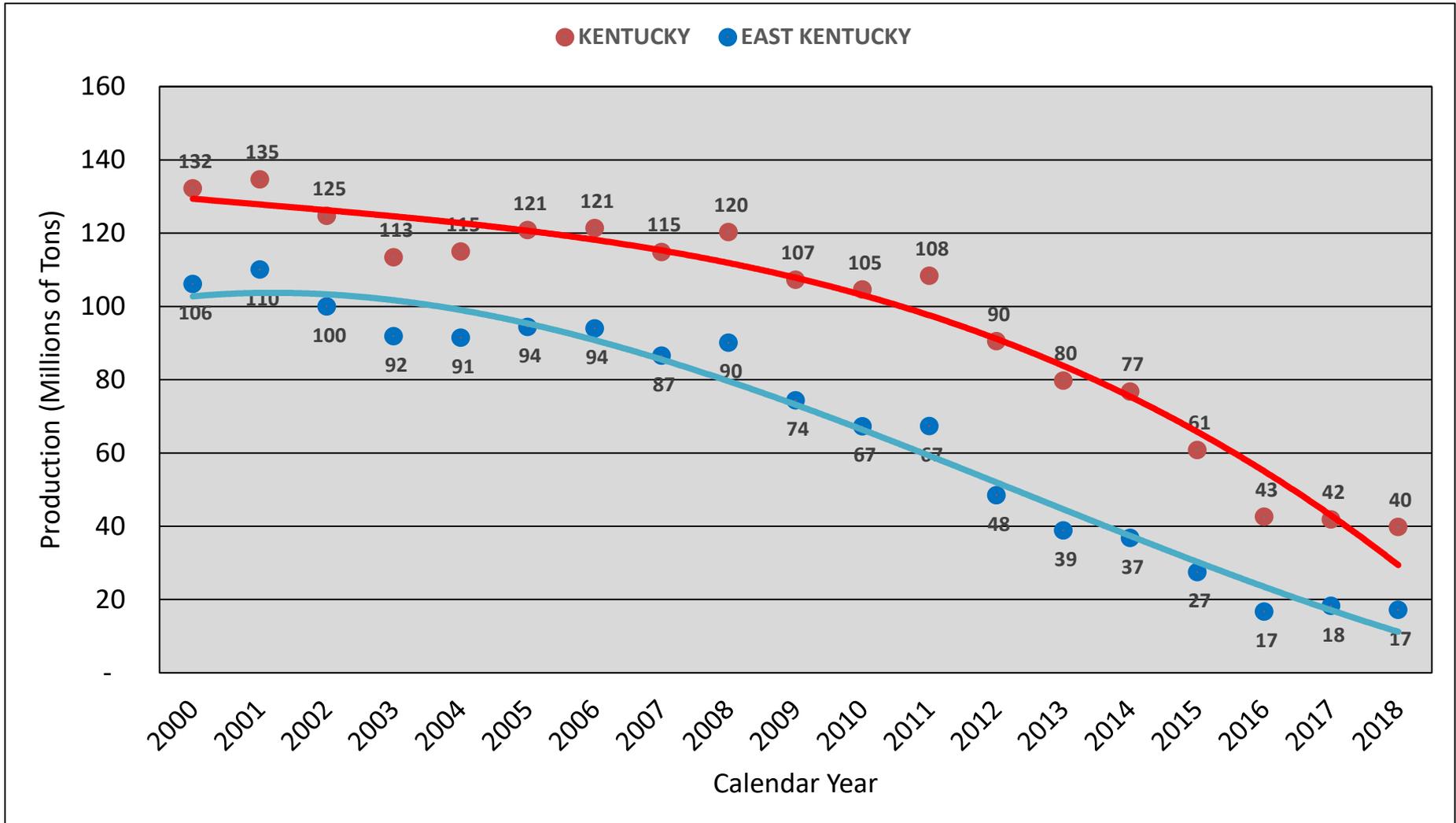
Coal Production CY 2000-2018



Data generated on 5/31/2019



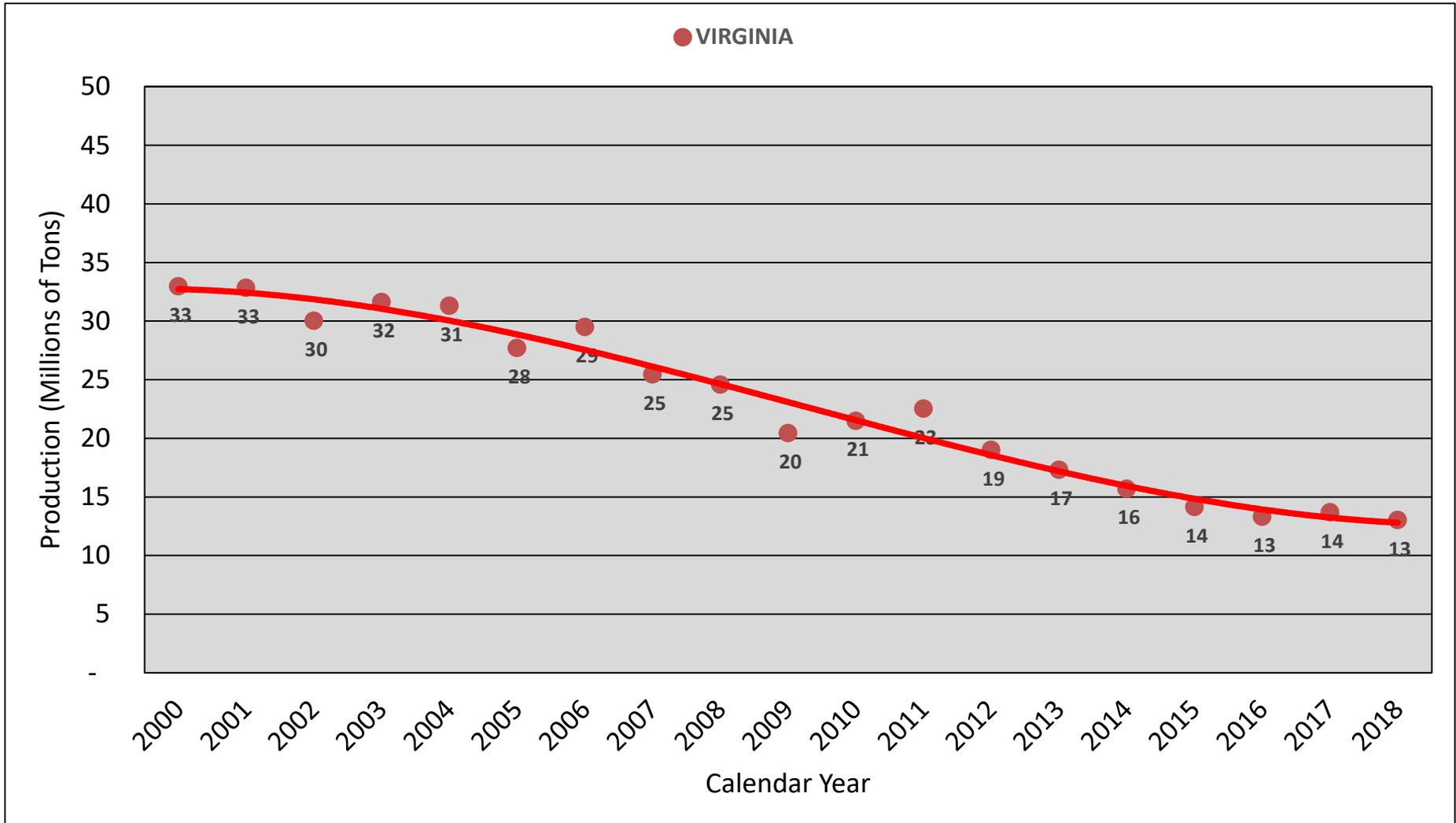
Coal Production CY 2000-2018



Data generated on 5/31/2019



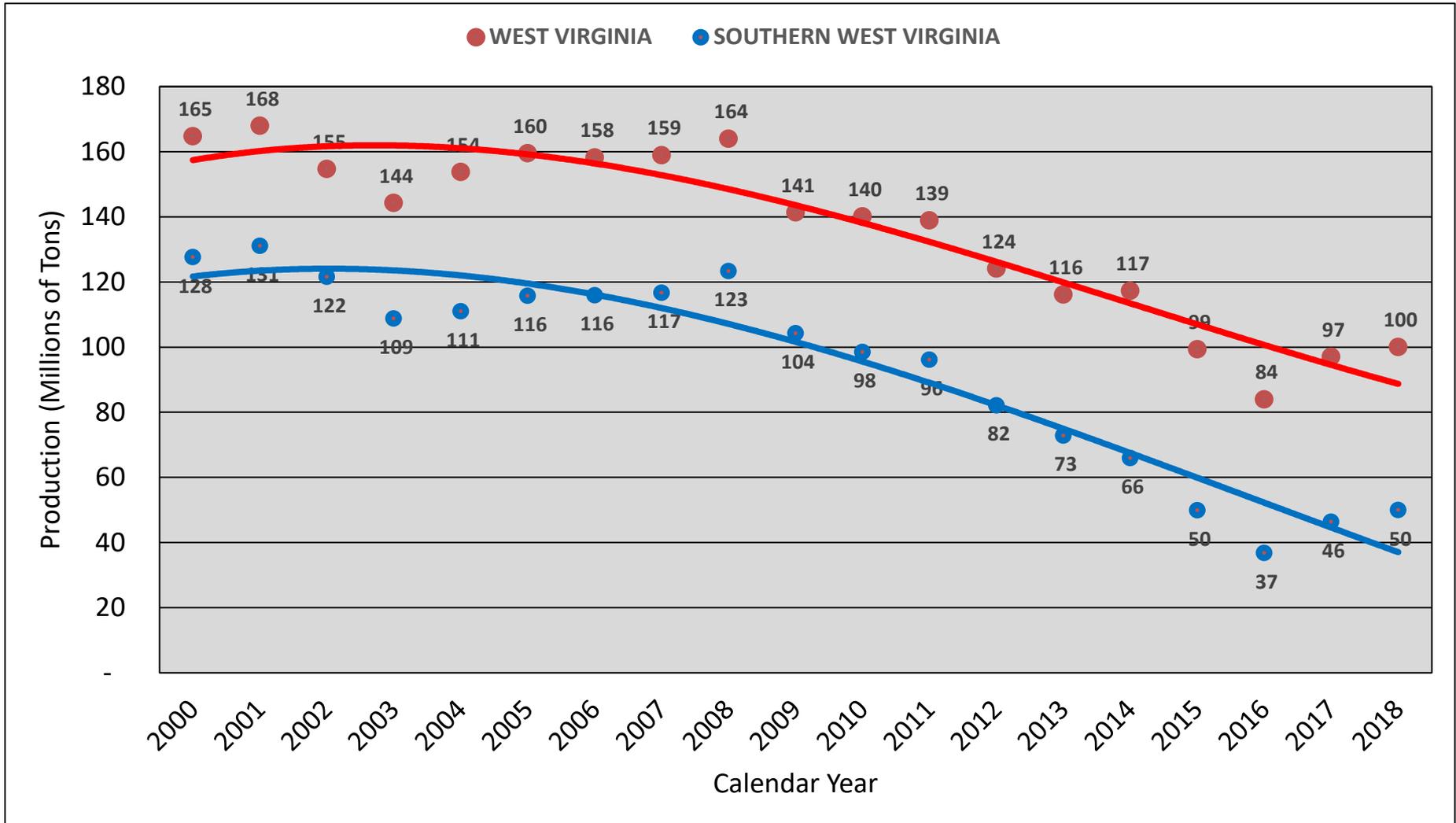
Coal Production CY 2000-2018



Data generated on 5/31/2019



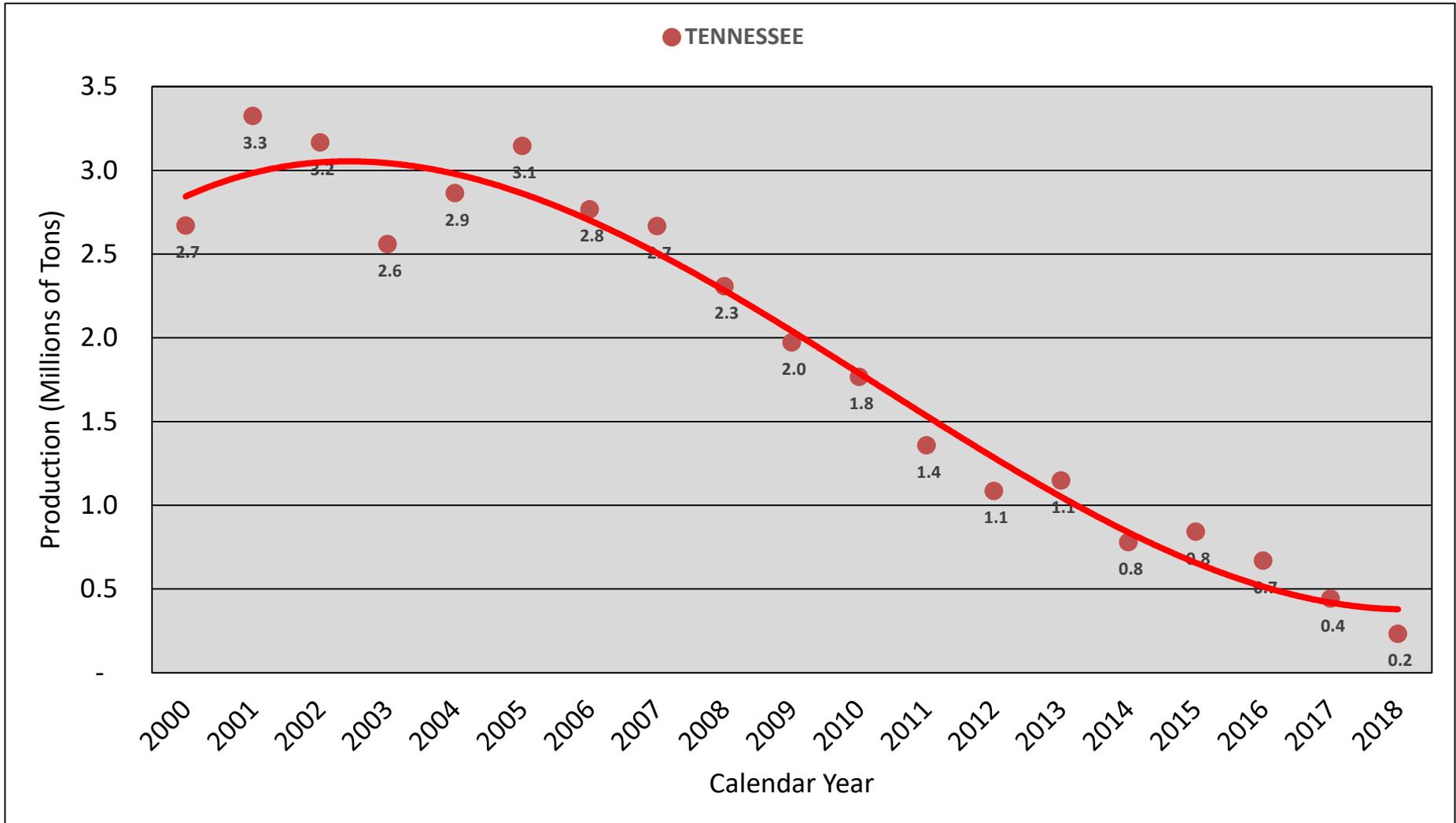
Coal Production CY 2000-2018



Data generated on 5/31/2019



Coal Production CY 2000-2018



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Powered Haulage Safety Initiative

Powered Haulage accidents were responsible for 50% of fatalities in recent years; 13 of 27 (48%) in 2018

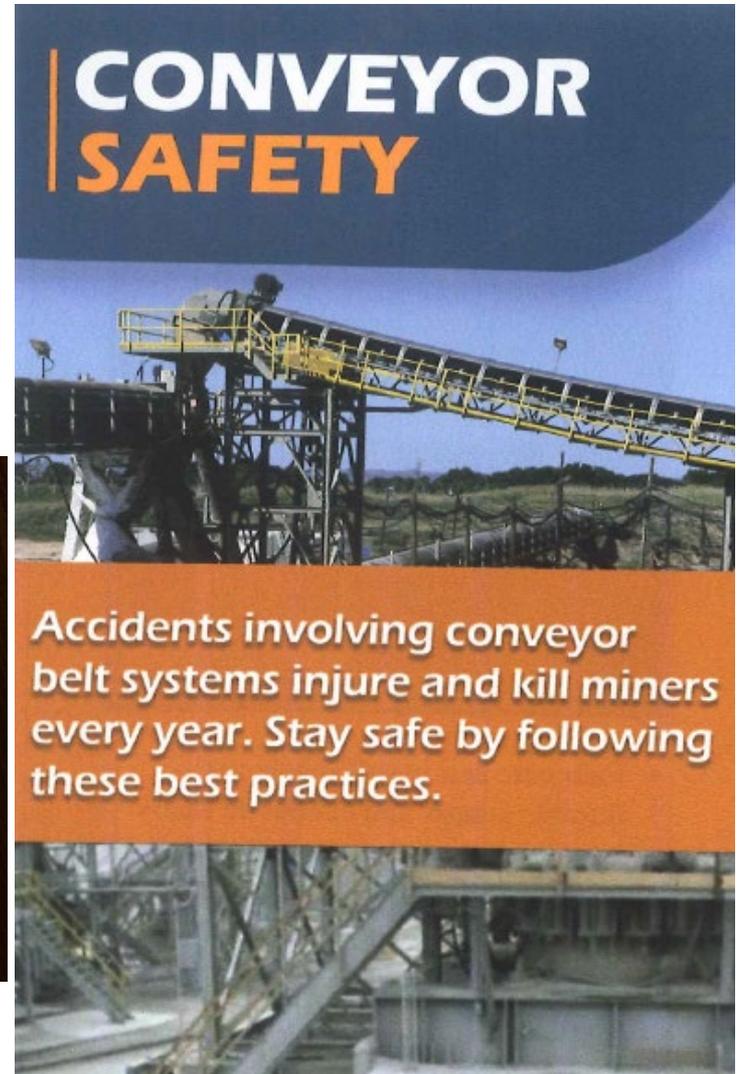
Preventing these accidents is a priority for MSHA, with a focus on:

- Mobile Equipment
- Belt Conveyors
- Seat Belt Safety



Powered Haulage Safety Outreach

We are distributing stickers, brochures and more to spread the word



One MSHA Initiative

- Blurring the distinction between Coal and Metal/Nonmetal enforcement for more efficient use of resources
- Cross training inspectors and updating systems to accommodate change where it makes sense
- Inspector expertise still required for certain mines
- Moving to Phase 2 with an additional 117 mines



Scofflaw Initiative

- Small share of operators are chronically delinquent and have poor safety records; worst violators selected each month
- Payment plans proposed/established or operator paid in full with total commitment of \$7.1 million
- 24 mines paid in full for \$1.7 million
- 43 104(a) citations issued; 21 104(b) orders issued, but none currently active



In Summary: MSHA Today & Tomorrow

- Health Focus – Black Lung on the way out
- Regulatory Review
 - Dust
 - Diesel Emissions
 - Powered Haulage





Questions?

*"Daddy
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