

WHO update on the Ebola virus disease outbreak

SAGE, 09 Oct 2019



World Health
Organization

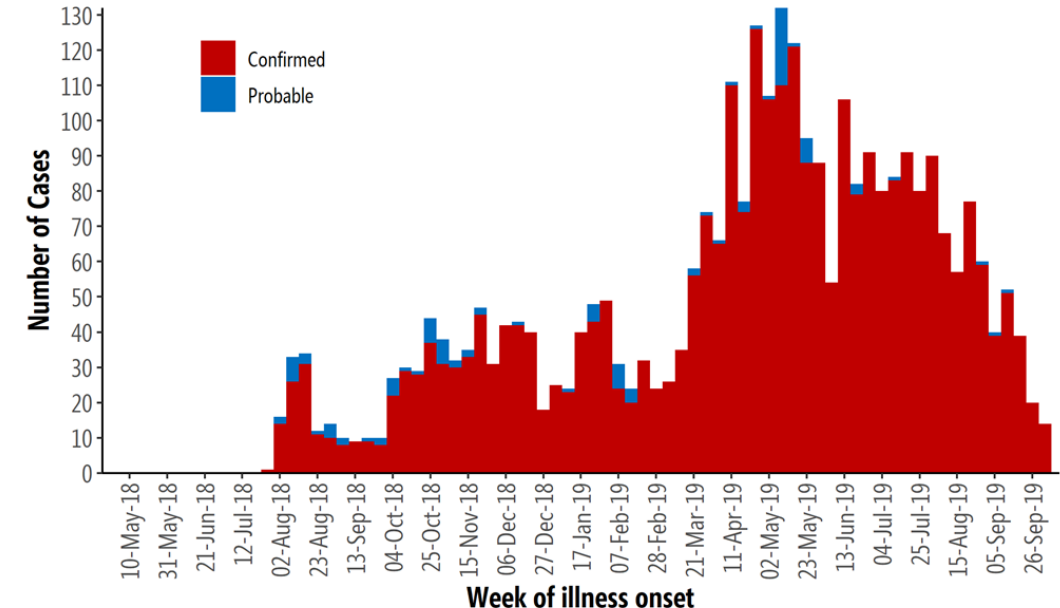
Current epidemiological situation: highlights

9 October 2019

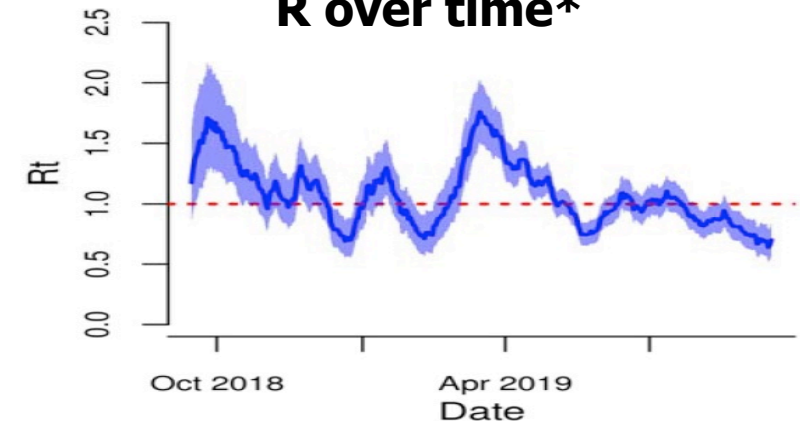
(data as of 7 October)

- **>3200 cases and 2100 deaths to date**
- **Transmission intensity remains substantial but encouraging trends in recent weeks**
 - To be interpreted with caution given volatility
 - ~38 new confirmed cases/week since early Sept vs. 128 cases/week at peak
 - Overall $R = 0.69$ (95%CI 0.56 – 0.85)*
- **Shift from urban/peri-urban to mostly rural zones and re-introduction to hard-to-reach zones**
 - Sustained declines in major metro hotspots (Butembo, Katwa and Beni) and successful containment in distant health zones after no/limited local spread (e.g. Goma, S. Kivu, and Uganda)
 - New challenges, risks and opportunities in current hotspots
- **Overall DRC risk levels remain unchanged:**
 - **Very high** at national and regional levels, **Low** at

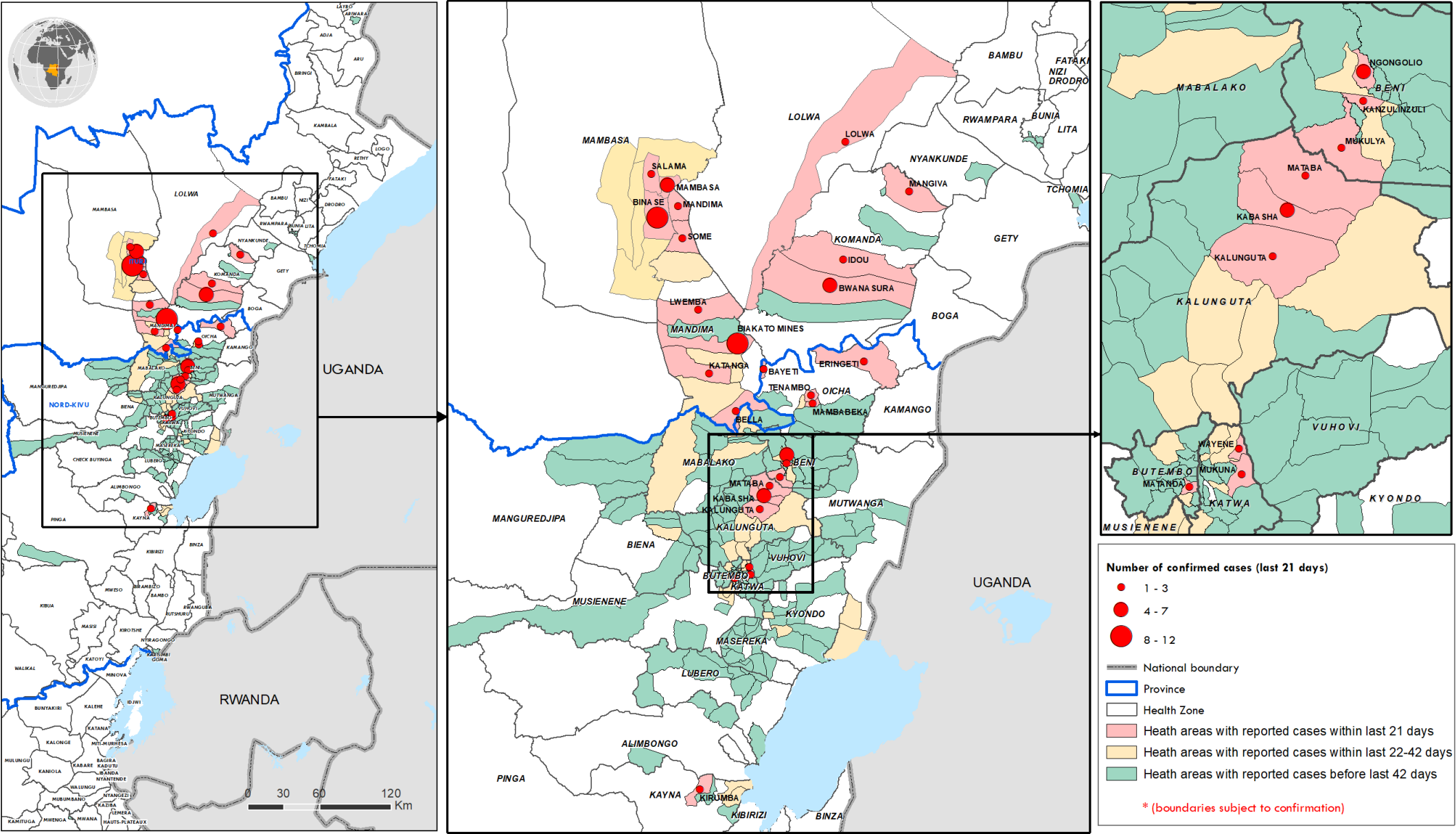
Cases by week of reporting



R over time*



*Transmissibility modelled by WHO CC Imperial College calibrated against line listed

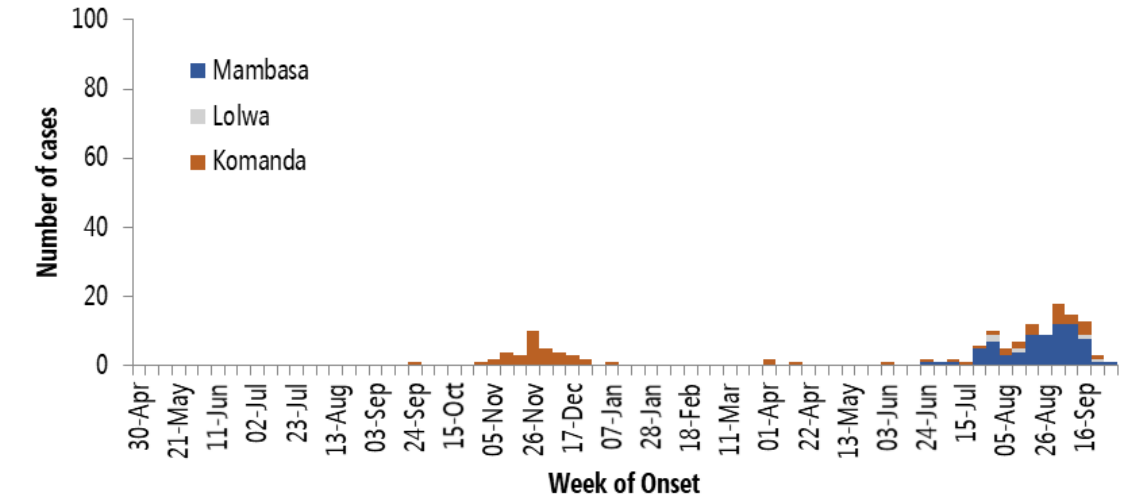
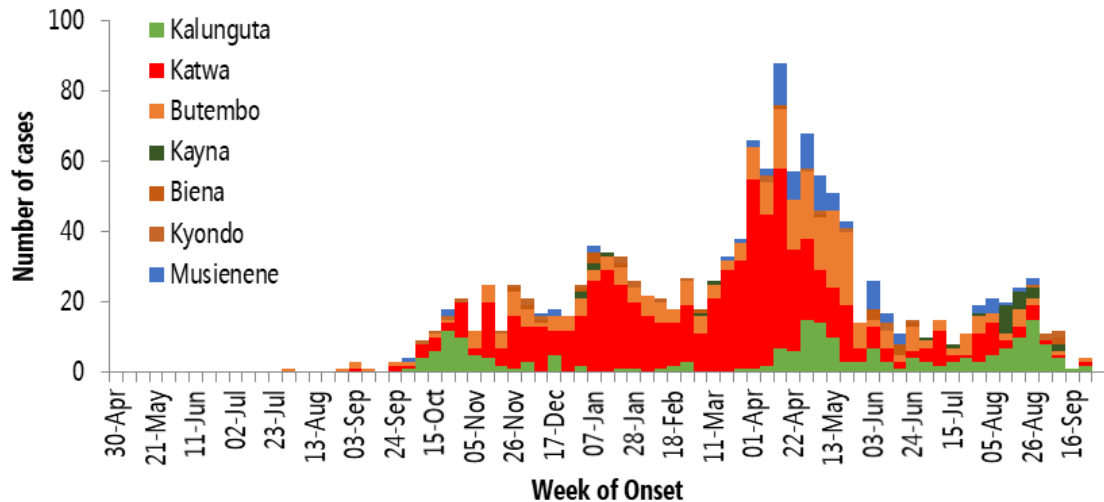
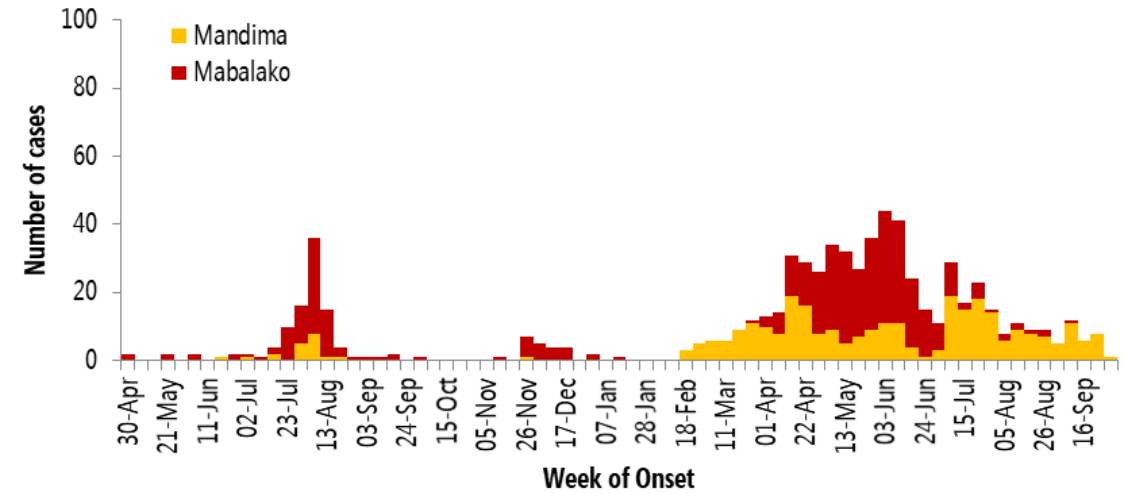
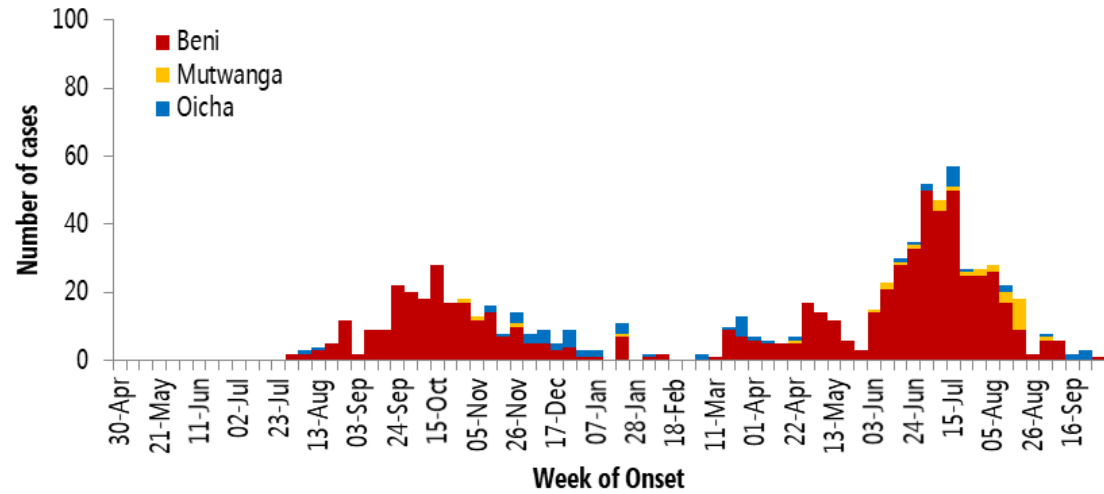


Overall
207 health areas in 29 health zones have been affected

In the last 21 days:
27 health areas in 11 health zones reported new cases

DRC epidemic curves by health zone by sub-coordination

(HZ reporting cases within past 42 days, data as of 7 October)

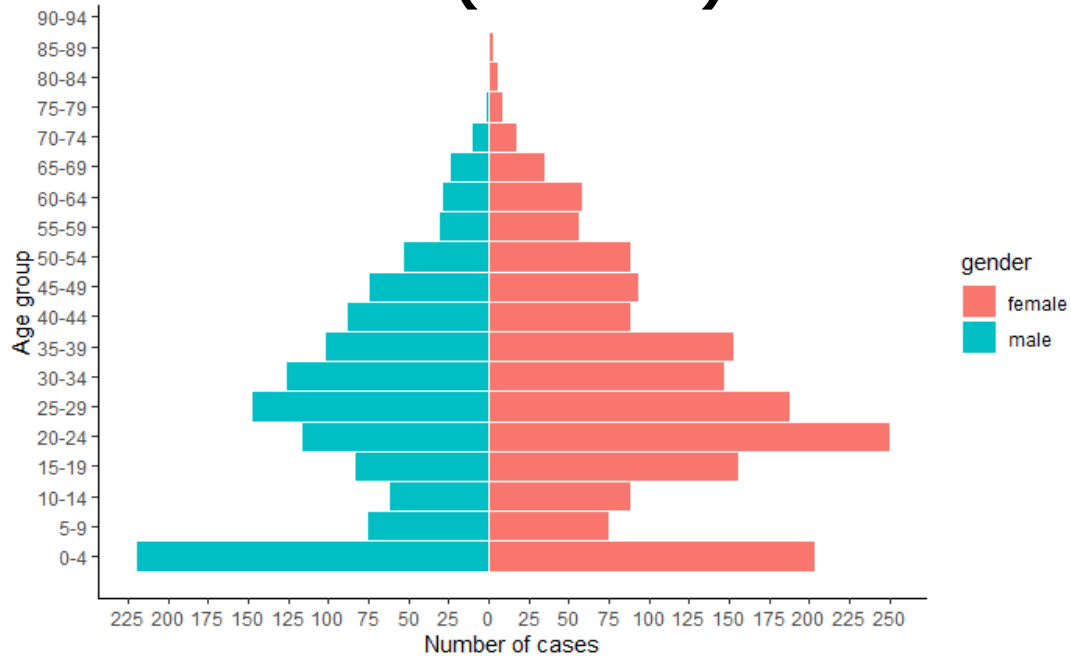


**Data in recent weeks are subject to delays in case confirmation and reporting, as well as ongoing data cleaning.*

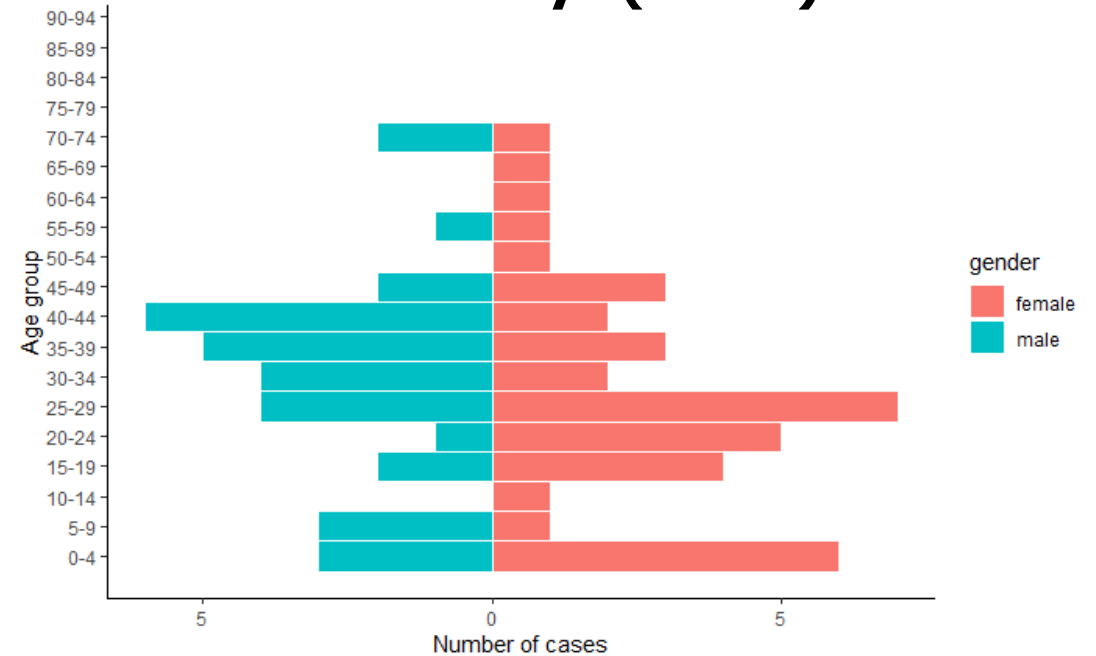
Age and sex distribution of confirmed cases

(data though epi week ending 6 October)

Overall (N=3091)



Last 21 days (N=73)



	Overall N= 3091		Last 21 days (16 Sep to 06 Oct) N= 73	
	N	%	N	%
Female	1739	56%	40	55%
Female, 15-49 years	1077	35%	26	36%
Pregnant/lactating**	90	3%	2	3%
Children < 18 years	839	27%	17	23%
Children < 1 year	147	5%	1	1%

*Age or sex missing for 118 confirmed cases overall and 1 case in the last 21 days.

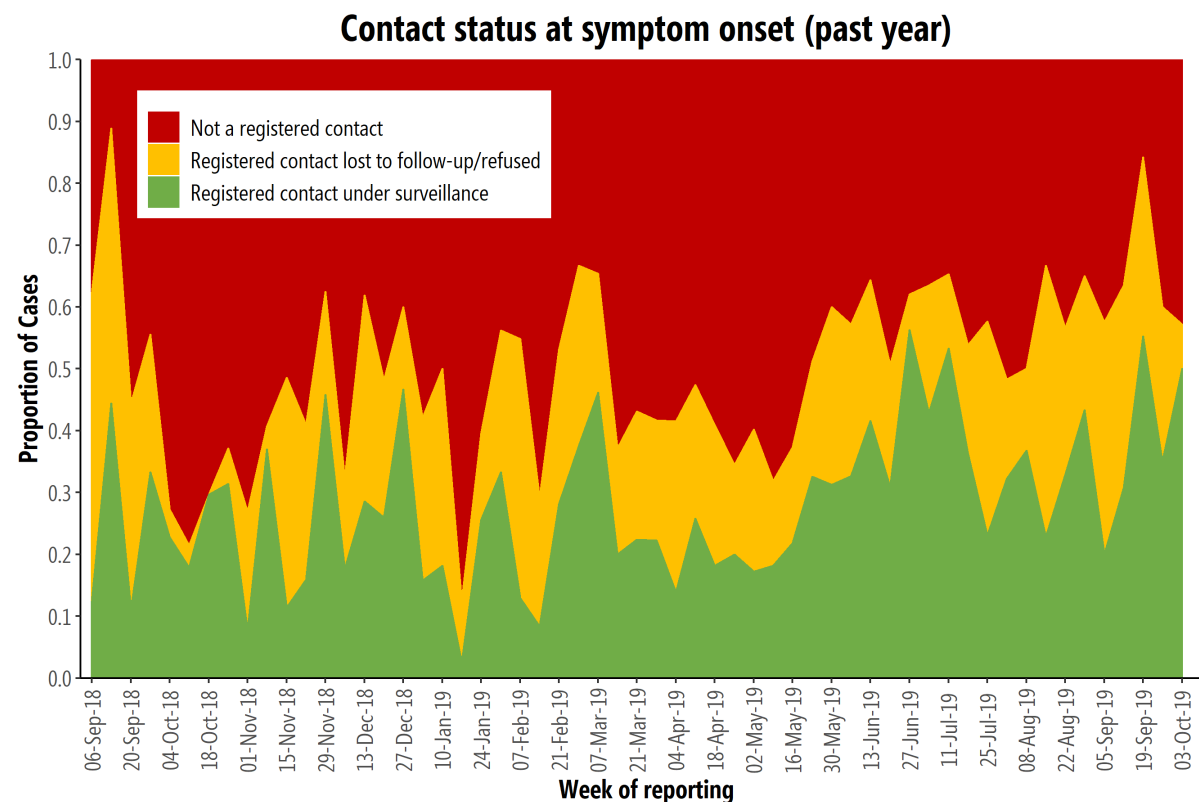
**Pregnancy/breastfeeding status is not systematically captured for all cases, but derived from case narratives wherever reported; therefore, likely substantially underestimated.

Contact tracing and outputs

(data though epi week ending 6 October)

- **>223 000 contacts** registered to date, ~7000 currently under surveillance
 - Outside of periods of insecurity, **follow-up rates** >85%
 - **Persistent challenges** impacting proportion of cases amongst registered contacts, but most cases epi linked
- Epi link and contact status at reported based on initial investigation by reported week**

	Week 38		Week 39		Week 40	
	N	%	N	%	N	%
Epi linked on initial investigation	34	87%	17	85%	13	93%
Registered contact prior to onset	32	82%	13	65%	8	57%
Contact under surveillance at onset	21	54%	7	35%	7	50%
Not a registered contact and no epi link	4	10%	3	15%	1	7%
Confirmed cases	39	-	20	-	14	-



Delays and community deaths

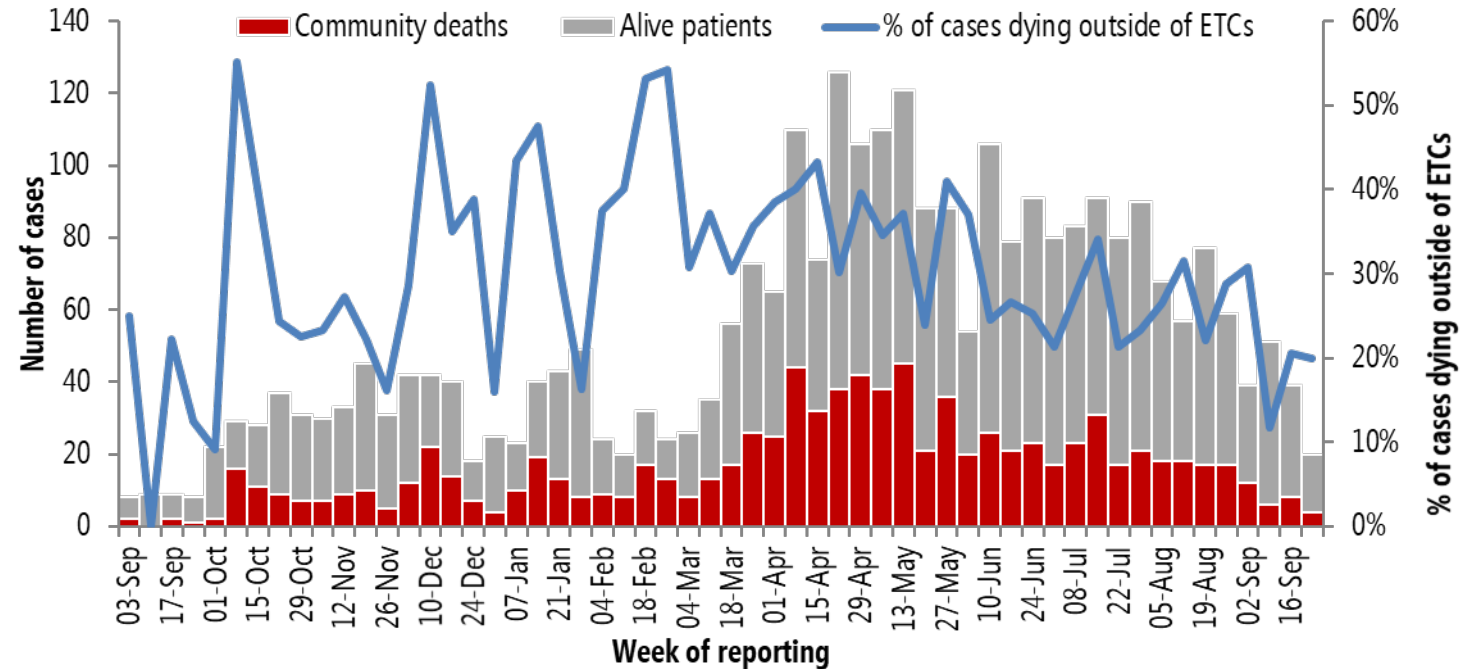
(data as of 06 October)

Time from onset to admission to TC/ETC or death

All patients (incl. community deaths)	Illness to isolation (days)		
	N	Median	IQR
Overall	3091	7	4-10
Last 21 days	73	5	3-8

- Improving trend in former hotspots, but limited change overall

Deaths outside of ETCs/TCs



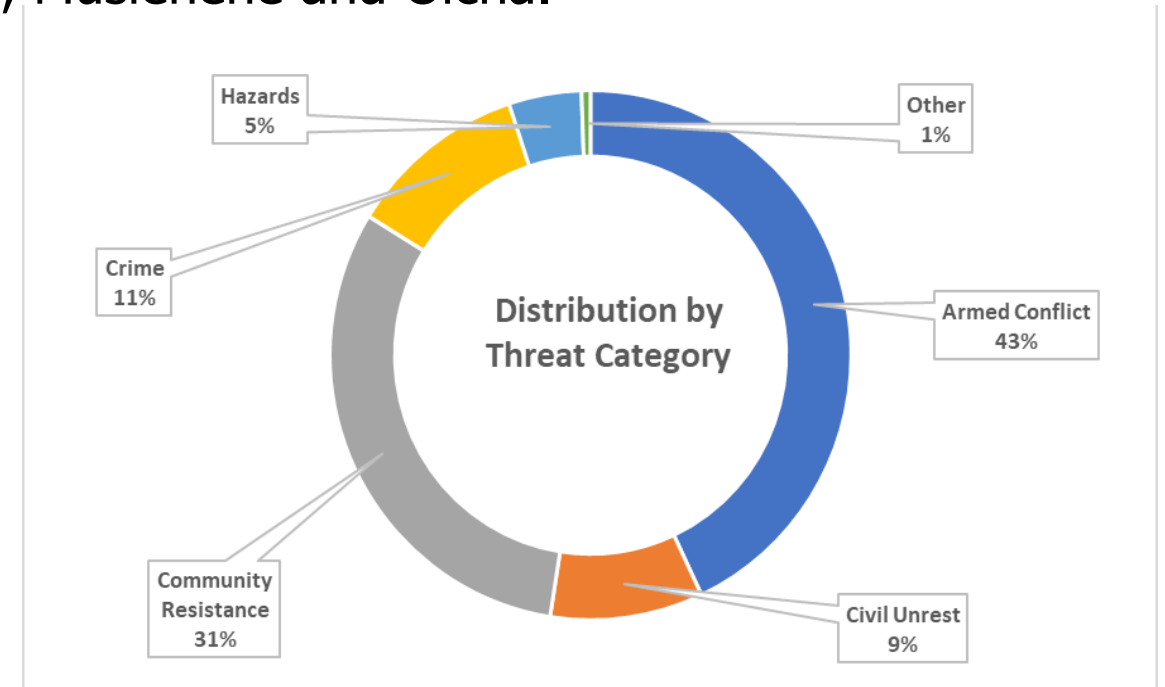
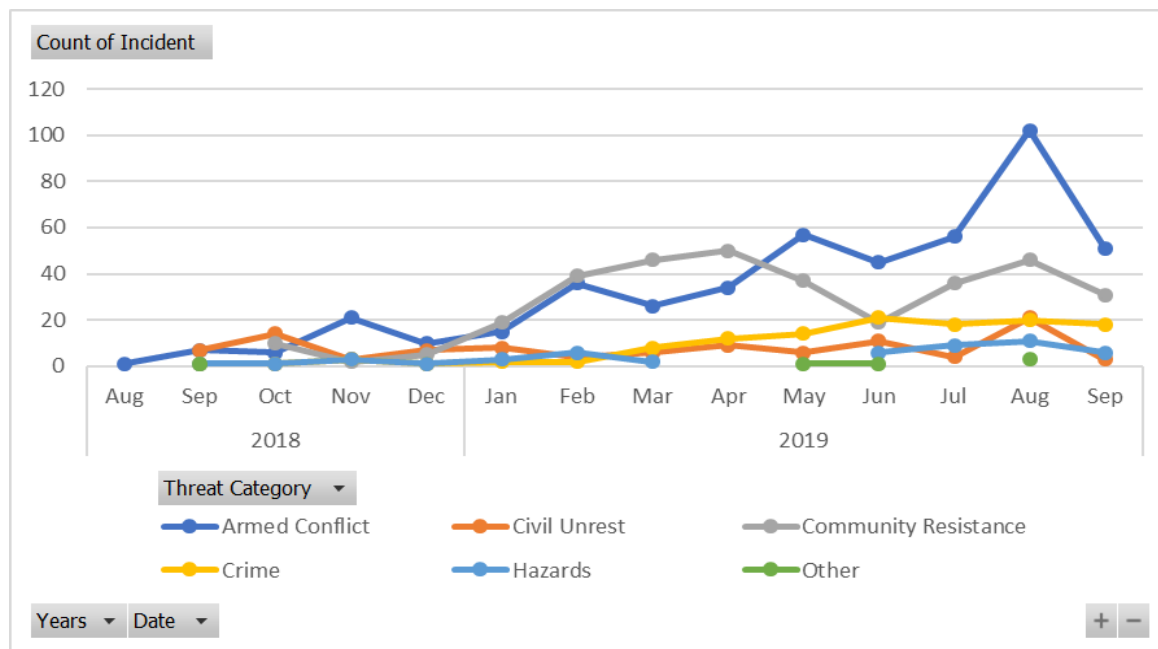
- Improving trend
- During last 21 days, 20% of confirmed cases died outside of ETC/TCs

Security situation

9 October 2019

(data from WHO Security Database, Aug 2018 – 22 Sep 2019)

- Overall situation remains volatile, recurring periods of suspended/reduced operations
- Incidents of **armed conflict increasing, but community resistance receding**
- Most incidents reported in currently/formally high case incidence areas: incl. Beni, Butembo, Kalunguta, Katwa, Mabalako, Mambasa, Mandima, Musienene and Oicha.



Clinical management and laboratories



Clinical Management

- **Decreased CFR** in patient admitted early to ETCs
- **Optimized supportive care** in all ETC
- **MEURI (compassionate use) – 795 patients consented and enrolled:**
 - mAb 114 and Regeneron; currently ongoing at 2 ETCs
- **RCT – 877 patients consented and enrolled :**
 - Initial study (start–9 Aug): 681 patients at 4 ETCs
 - Extension phase (since 10 Aug): 196 patients randomized to receive either REGN-EB3 or mAb114



Laboratory

- **10 field labs** established using GeneXpert technologies led by INRB
 - **>101 000 samples tested**
 - **>3300 samples analyzed per week** (last 5 weeks)
 - Result turn around time < 24h
- **Sequencing capacities established** at INRB Kinshasa and Katwa field lab

SDB, PoE and IPC



Safe and Dignified Burials

- ~100 SDB teams operating
- High acceptance rates (>82%)
- ~14 300 SDB alerts successfully managed to date.



Surveillance at Points of Entry (PoE) / Points of Control (PoC)

- 100 million+ screenings at 117 operational POEs/POCs
- Prevented exportation of 28 confirmed cases



Infection Prevention and Control

- Continued reports of **infections with possible nosocomial exposure** (~15% of cases in last 3wks) and **162 HCW infections** to date
- Rolled out standardized assessment tool and IPC dashboard to provide real time data to MoH and partners
- New IPC Toolkit was launched (TOT model) during September

RCCE and Survivors Programme



Risk Communication & Community Engagement

- 30 international & national partners working on RCCE
- 53 local associations (faith based, women, youth, teachers, motor taxi, media, business, etc.) supporting RCCE
- Community feedback & surveys show that overall Ebola awareness & knowledge has increased: improved understanding & reduced tensions against response teams



EVD survivors programme

- >1000 people have recovered from EVD
- >85% enrolled, providing monthly clinical and psychological care and biological follow-up

Thank you

For additional information, daily situation updates, etc., please visit:

www.who.int/emergencies/diseases/ebola/drc-2019

