

# Elimination of Hepatitis B & C: Milestones 2020

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# Swiss Hepatitis Strategy

2014 – 2030

It is Time to Act Now!

Process Paper – A Living Document

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Target values are:

1. **Impact targets**

- New cases of HBV and HCV will be reduced by 30% in 2020, 60% in 2025 and 95% in 2030.
- HBV and HCV-related mortality will be reduced by 20% in 2020, 50% in 2025 and 95% in 2030.
- Viraemic cases of HCV will be reduced by 30 percent in 2020, 60% in 2025 and 95% in 2030.
- Liver transplants due to viral hepatitis-induced end stage liver disease will be reduced by 30% in 2020, 60% in 2025 and 95% in 2030.
- Liver cancer due to viral hepatitis will be reduced by 30% in 2020, 60% in 2025 and 95% in 2030.

2. **Service coverage targets**

- HBV vaccine coverage at the age of 16 will be increased to 75% in 2020, 85% in 2025 and 95% in 2030.
- HCV diagnoses will be increased to 70% in 2020, 80% in 2025 and 90% in 2030.

Target Area	Baseline 2016	Impact Targets			WHO TARGETS 2030
		2020 Targets	2025 Targets	2030 Targets	
<b>Reduction of...</b>					
Incidences (HBV and HCV)	40-50/year	30%	60%	95%	90%
mortality (HBV and HCV)	200/year	20%	50%	95%	65%
viraemic cases (HCV)	40'000	30%	60%	95%	
liver transplantations (HBV and HCV)	40-70/year*	30%	60%	95%	
Liver cancer (HBV and HCV)	600/year**	30%	60%	95%	
<b>Increase of... Service Coverage Targets</b>					
HBV vaccination coverage	70%	75%	85%	95%	90% (childhood vaccine coverage)
HCV diagnosis rate	21'000	70%	80%	90%	90%

Fig. 8: The targets of the Swiss Hepatitis Strategy

\* Corresponds to 30–40% of all cases<sup>2</sup>

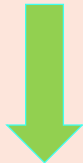
\*\* Corresponds to around 60% of all cases of liver cancer<sup>20</sup>




# Milestones 2020

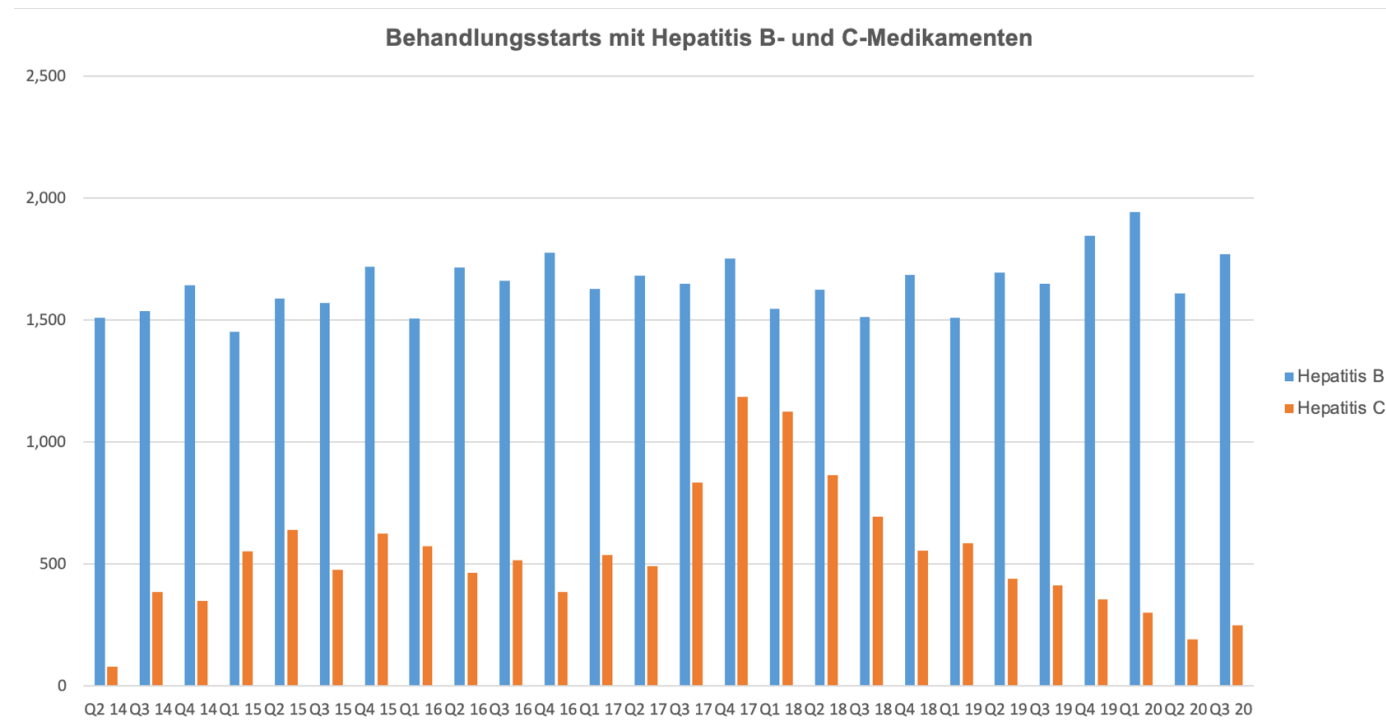
Target Area	Baseline 2016	2020 Targets	2025 Targets	2030 Targets	WHO TARGETS 2030
<b>Impact Targets</b>					
<b>Reduction of...</b>					
incidence (HBV and HCV)	40-50/year	30%	60%	95%	90%
mortality (HBV and HCV)	200/year	20%	50%	95%	65%
viremic cases (HCV)	40'000	30%	60%	95%	-
liver transplantations (HBV and HCV)	40-70/year*	30%	60%	95%	-
Liver cancer (HBV and HCV)	600/year**	30%	60%	95%	-
<b>Service Coverage Targets</b>					
<b>Increase of...</b>					
HBV vaccination coverage	70%	75%	85%	95%	90% (childhood vaccine coverage)
HCV diagnosis rate	24'000	70%	80%	90%	90%

# Impact Targets



	baseline 2016	reduction by 2020	numeric goal	current status
Incidence HCV	43 / year	- 30%	30 / year	2019: 27 <b>acute</b> cases (0,31 / 100'000), 1'029 <b>total</b> (14,8/100'000) 

# Impact Targets

	baseline 2016	reduction by 2020	numeric goal	current status
Viremic cases HCV	40'000	-30%	28'000	31'000 8700 treated 2017-2020 500 died 



# Impact Targets

	baseline 2016	reduction by 2020	numeric goal	current status
Viremic cases HCV	40'000	-30%	28'000	31'000 8700 treated 2017-2020 500 died 
Liver transplantations (HBV and HCV)	40-50 /year	-30%	28-35 / year	HCV 2018: 37 / year accounting for 18% of all cases. 

# Service Targets

	baseline 2016	increase by 2020	numeric goal	current status
HBV vaccination coverage	at age of 16: 71%	75%		BAG strategy is in place to reach coverage of 95% in 2030
HCV diagnosis rate	60% / 24'000	70%	28'000	?

## Sources:

- Jean-Luc R, Christian S, Sabine B, Mirjam M. The epidemiology of hepatitis C in Switzerland: trends in notifications, 1988–2015. *Swiss Med Wkly* 2018; **148**. Available at: DOI:10.4414/smw.2018.14619.
- Bundesamt für Gesundheit (BAG). Hepatitis C in der Schweiz, epidemiologische Situation 2015–2018. *BAG-Bulletin* 2019; **45**: 12–24.
- Bundesamt für Gesundheit (BAG). Stellungnahme des Bundesamtes für Gesundheit zum Bericht Situationsanalyse Hepatitis B und C. 2017.
- Keiser O, Giudici F, Müllhaupt B, Junker C, Dufour J-F, Moradpour D, Bruggmann P, Terziroli B, Semela D, Brezzi M, Bertisch B, Estill J, Negro F, Spoerri A, Swiss Hepatitis C Cohort Study and the Swiss National Cohort. Trends in hepatitis C-related mortality in Switzerland. *J Viral Hepat* 2018; **25**: 152–60.
- Bundesamt für Gesundheit (BAG). Durchimpfung von 2-, 8- und 16-jährigen Kindern in der Schweiz, 2014–2016. *BAG Bull* 2018; **24**.



# Conclusion





# Thank you for your attention!

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