## Valuation Services

- Tax valuations
- Transactional business valuations (deal models)
- Expert valuations/second opinions
- Fairness opinions/regulatory valuations
- Financial reporting valuations*
- Disputes and arbitration
- Start-up valuations

## Decision Modeling & Economics

- Data analytics and visualization
- Integrated planning, forecasting and consolidation
- CARVEx (tool for carve out financials)
- Liquidity and cash flow planning
- Financing and LBO modeling
- ProjeX (tool for group tax planning)
- Standard Excel models for day2day use*

* Purchase price allocations, goodwill impairment tests, employee stock (option) valuations
**Cost of capital components**

### Risk free rate

Implied yield on 10-year government bonds, monthly development over five years

![Graph showing risk free rates for CHF, EUR, and USD from 31.3.2014 to 31.3.2019.](image)

- **CHF risk free 10 years**
- **EUR risk free 10 years**
- **USD risk free 10 years**

### Unlevered beta

Median development

![Graph showing unlevered beta distribution as of 31.3.2019.](image)

- **Retail and consumer products**
- **Media, techn. and telecom.**
- **Industrial goods and services**
- **Healthcare**
- **Energy and utilities**
- **Chemicals, constr. and mat.**

### Debt/total capital

Median development

![Graph showing debt/total capital distribution as of 31.3.2019.](image)

- **Retail and consumer products**
- **Media, techn. and telecom.**
- **Industrial goods and services**
- **Healthcare**
- **Energy and utilities**
- **Chemicals, constr. and mat.**

**Current market risk premium: 6.0%**

- **Median**
- **First and fourth quartile**
- **Second and third quartile**
- **Median**

---

**Median development**

**Distribution as per 31.3.2019**

- **Retail and consumer products**
- **Media, techn. and telecom.**
- **Industrial goods and services**
- **Healthcare**
- **Energy and utilities**
- **Chemicals, constr. and mat.**

**Median**

- 0.91x
- 0.77x
- 0.59x
- 0.55x
- 0.36x

**Distribution as per 31.3.2019**

- **Retail and consumer products**
- **Media, techn. and telecom.**
- **Industrial goods and services**
- **Healthcare**
- **Energy and utilities**
- **Chemicals, constr. and mat.**

**Median**

- 17.7%
- 14.3%
- 10.1%
- 3.7%
- 36.6%
- 12.2%
Credit spread
Credit Spread-Barclays Europe Aggregate, monthly development over five years

LIBOR
3 months LIBOR, monthly development over five years

Macro-economic data

CPI inflation*
in %

<table>
<thead>
<tr>
<th>Country</th>
<th>CPI inflation (geom. mean 2019-2028)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switzerland</td>
<td>1.0%</td>
</tr>
<tr>
<td>Germany</td>
<td>1.9%</td>
</tr>
<tr>
<td>United States</td>
<td>2.0%</td>
</tr>
<tr>
<td>World</td>
<td>3.6%</td>
</tr>
<tr>
<td>Emerging Markets</td>
<td>3.9%</td>
</tr>
</tbody>
</table>

Nominal GDP growth*
in %, based on local currency

<table>
<thead>
<tr>
<th>Country</th>
<th>GDP growth, nominal (geom. mean 2019-2028)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switzerland</td>
<td>2.5%</td>
</tr>
<tr>
<td>Germany</td>
<td>3.0%</td>
</tr>
<tr>
<td>United States</td>
<td>3.9%</td>
</tr>
<tr>
<td>World</td>
<td>7.1%</td>
</tr>
<tr>
<td>Emerging Markets</td>
<td>7.6%</td>
</tr>
</tbody>
</table>

* excluding Venezuela

Banking and insurance sector

LTM P/E
Median development

<table>
<thead>
<tr>
<th>Year</th>
<th>Global and private banks</th>
<th>Retail and cantonal banks</th>
<th>Insurance companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTM per 31.3.2018</td>
<td>16.0x</td>
<td>13.8x</td>
<td>13.3x</td>
</tr>
<tr>
<td>LTM per 30.6.2018</td>
<td>15.0x</td>
<td>13.5x</td>
<td>12.8x</td>
</tr>
<tr>
<td>LTM per 30.9.2018</td>
<td>14.0x</td>
<td>13.0x</td>
<td>12.3x</td>
</tr>
<tr>
<td>LTM per 31.12.2018</td>
<td>13.0x</td>
<td>12.5x</td>
<td>11.8x</td>
</tr>
<tr>
<td>LTM per 31.3.2019</td>
<td>12.0x</td>
<td>11.5x</td>
<td>11.0x</td>
</tr>
</tbody>
</table>

P/TB
Median development

<table>
<thead>
<tr>
<th>Year</th>
<th>Global and private banks</th>
<th>Retail and cantonal banks</th>
<th>Insurance companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>31.3.2018</td>
<td>1.29x</td>
<td>1.16x</td>
<td>1.08x</td>
</tr>
<tr>
<td>30.6.2018</td>
<td>1.30x</td>
<td>1.17x</td>
<td>1.09x</td>
</tr>
<tr>
<td>30.9.2018</td>
<td>1.31x</td>
<td>1.18x</td>
<td>1.10x</td>
</tr>
<tr>
<td>31.12.2018</td>
<td>1.32x</td>
<td>1.19x</td>
<td>1.11x</td>
</tr>
<tr>
<td>31.3.2019</td>
<td>1.33x</td>
<td>1.20x</td>
<td>1.12x</td>
</tr>
</tbody>
</table>
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About this brochure
EY’s Valuation Market Essentials Switzerland brochure summarizes relevant market data that is regularly used in valuations. It is aimed at finance professionals that regularly deal with valuations and corporate finance related topics. The analysis is based on the constituents of the Swiss All Share Index (excluding general financial and real estate companies) and data from S&P Capital IQ/Oxford Economics.

For this edition, all data was downloaded as per date of this brochure (see cover page). Therefore, values may deviate when compared with values of previous brochure editions.

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